

**13TH INTERNATIONAL
MAMMALOLOGICAL CONGRESS
&
102ND ANNUAL MEETING OF THE
AMERICAN SOCIETY OF MAMMALOGISTS
14 – 20 JULY 2023**

Dena'ina Civic and Convention Center
-ANCHORAGE, ALASKA-



CONFERENCE PROGRAM

The logo for the 13th International Mammalogical Congress and 102nd Annual Meeting of the American Society of Mammalogists was designed by John Megahan.

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TABLE OF CONTENTS

Welcome	3
Land Acknowledgement	4
Professional Code of Conduct	5
Meeting Acknowledgements	7
Sponsor List	8
General Meeting Information	9
In-Person vs. Virtual Registration Access	11
In-Person Presentation Guidelines	12
Virtual Presentation Guidelines	13
Board of Directors, Members, and Committee Meetings	15
Workshops	16
Symposia	20
Plenary Sessions	24
Capstone Session	30
ASM Undergraduate Honoraria Awardees	31
Social Events	32
Program At-A-Glance	34
Pre-Meeting Workshops	41
Friday, July 14th	41
Saturday, July 15th	41
Sunday, July 16th	72
Monday, July 17th	79
Tuesday, July 18th	80
Wednesday, July 19th	96
Thursday, July 20th	114
Author Index	135
2024 ASM Meeting Announcement	Inside Back Cover

WELCOME

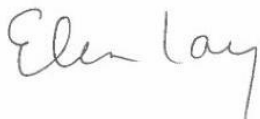
It is our great pleasure to welcome you to the 13th International Mammalogical Congress, which is being co-hosted by the International Federation of Mammalogists and the American Society of Mammalogists. This promises to be a spectacular week of science, scenery, and camaraderie. Attendees include over 700 mammalogists from more than 53 countries. An additional nearly 200 colleagues will be attending virtually. This provides an incredible opportunity to catch up with old friends and to meet new colleagues, including the many students who will be sharing their work with us during the congress.

The scientific program for the week is diverse, encompassing a wide array of topics and techniques related to understanding the biology of mammals. Threaded throughout the congress is a strong emphasis on conservation, a focus that acknowledges the increasingly imperative need to describe and to protect mammalian diversity on a global scale. The program combines traditional elements of ASM meetings with key components of past IMCs. We encourage you to take full advantage of the opportunities available during the congress to learn, to interact, and to explore mammalogy.

Anchorage provides a spectacular setting for IMC-13. Please be sure to spend some time exploring the area – the environment, the wildlife, and the rich local culture. For many attendees, this is likely an important opportunity to add to your life-list of mammals – grizzly bears, moose, beluga, killer whales – and those are just the large, easy-to-see species! We know that many of you have scheduled some extra time to explore Alaska and we hope that you will leave with wonderful life-long memories.

It has taken us a little longer than expected to get here. Originally scheduled for 2021, the COVID-19 pandemic required us to postpone the congress for a couple of years. We are thrilled to now finally be ready to get together to share our passion for science and for mammals. We look forward to an exciting week. We hope that congress attendees have an excellent time in Anchorage – to facilitate that, we ask everyone to follow the Code of Conduct that is provided below and that is posted on the meeting website (click here: <https://imc13.com/registration/code-of-conduct/>). Please don't hesitate to say hello and to introduce yourself – we look forward to meeting you during IMC-13!

Best,



Eileen A. Lacey, President
International Federation of Mammalogists



Enrique P. Lessa, President
American Society of Mammalogists

LAND ACKNOWLEDGEMENT

We would like to recognize the rich history of Native Cultures in southeastern Alaska. We are meeting on the lands of the Athabascan people, whose lives remain intimately tied to the mountains, forests, and waters of this region, and to the diverse animals that they contain. We know that the science of mammalogy and our understanding of Alaskan mammals is less rich because of Native voices that have been lost or excluded. Please join us in reflecting on the wrongs of the past and in affirming our commitment to a more inclusive present and future.

PROFESSIONAL CODE OF CONDUCT

The 13th International Mammalogical Congress will adhere to the ASM **Statement of Inclusion** (<http://www.mammalogy.org/asm-statement-inclusion>) and **Code of Conduct** (<http://www.mammalogy.org/committees/office-ombudsperson#tab2>) described below. These statements and policies have been adopted for all ASM activities by the membership and were adopted as presented here by the ASM Board of Directors.

Statement of Inclusion

The American Society of Mammalogists (the Society) prohibits discrimination, harassment, and bullying against any member because of ancestry, color, national origin, marital status, veteran status, gender identity or expression, sexual orientation, race, ethnicity, religion, age, disability, political affiliation or any other characteristic protected by law. The Society expects its employees, volunteers, members and other constituents, when and wherever they are conducting Society business or participating in Society events or activities, to maintain an environment free of discrimination, harassment, bullying, or retaliation.

Discrimination is defined as treating individuals differently – either preferentially or with adverse impact – because they have similar characteristics or because they are from specific groups, unless differential treatment is reasonable, essential, and directly related to conducting Society business or when serving as an official representative of the Society.

Code of Conduct

The ASM aims to operate in the best interest of the Society and its membership through its policies and procedures. Professional conduct is expected of all ASM members, of any individual representing the ASM, and of all participants in ASM-sponsored activities. We define professional conduct broadly to include respectful and ethical treatment of others. The ASM is dedicated to ensuring the opportunity for active, equal participation in all ASM functions or sponsored activities by all members and participants, regardless of disability, sexual orientation, age, physical appearance, gender, race, national origin, or ethnicity.

Discrimination and harassment are prohibited by the ASM; no individual should feel harassed, threatened, or unsafe at any ASM sponsored activity. The full text of ASM's Statement on Inclusion is above and available **here** (<http://www.mammalogy.org/asm-statement-inclusion>). Concerns or allegations of misconduct or harassment should be directed the **Office of the Ombudsperson** (<http://www.mammalogy.org/committees/office-ombudsperson#tab1>) or reported online **here** (<http://www.mammalogy.org/alleged-misconduct-report-form>). Course of action for alleged misconduct may be found **here** (<http://www.mammalogy.org/committees/office-ombudsperson#tab3>). We note that ASM policies for professional conduct will evolve over time. The most recent version of these policies will be posted on the **ASM Ombudspersons website** (<http://www.mammalogy.org/committees/office-ombudsperson>) and notifications of updates to the policy will be emailed to all ASM members. All ASM members and participants in ASM sponsored activities are expected to follow the most recent version of ASM Professional Conduct policies.

General Guidelines

1. Unprofessional conduct by any ASM member or meeting attendant will not be tolerated and is subject to **disciplinary action** (<http://www.mammalogy.org/committees/office-ombudsperson#tab3>). Unacceptable behavior includes, but is not limited to, unwanted verbal attention, unwanted touching, intimidation, stalking, shaming or bullying in person or through social media outlets (see additional definitions above). If you experience such behavior, depending on the context and if you feel comfortable, you should let the offender know and tell him/her to stop and/or seek help from bystanders. Participants asked to stop any harassing behavior are expected to comply immediately. Concerns can also be presented to the Ombudspersons in person (contact information above) or reported online here. Note that persistent offensive or unwelcome behavior may constitute harassment and that harassment presented in a joking manner is still harassment and both would be subject to **disciplinary action** (<http://www.mammalogy.org/committees/office-ombudsperson#tab3>).
2. Scientific presentations are expected to adhere to ASM standards of professional conduct and should not include inappropriate and/or graphic images or language that include (but are not limited to) pornography, demeaning or degrading images or language, or depictions of violence.
3. Established professionals and all ASM leaders should recognize that they hold positions of power, formal or informal, over students and aspiring professionals. These individuals are expected to lead by example regarding our high standards of professional and personal conduct.
4. All ASM members are potential bystanders to unprofessional or unwelcome behavior. Bystander intervention can prevent, divert, or mitigate harassment. Do not look the other way. See the **Resources page** (<http://www.mammalogy.org/committees/office-ombudsperson#tab4>) for additional information about bystander intervention and training.

Reporting Misconduct

The President appoints one or two Society members to the Office of Ombudsperson. The Ombudsperson(s) are charged with reviewing and adjudicating allegations of misconduct occurring within the context of Society events or Society sponsored activities, in an effort to seek the truth as a neutral designee. Incidents occurring 'off-site' (e.g., bars, hotels, etc.) between members or meeting participants are subject to the ASM Code of Conduct and ASM disciplinary action; a valid complaint can be made even if the incident does not happen at the conference center or meeting venue. Incidents involving non-ASM participants are beyond the scope of the ASM Code of Conduct and ASM disciplinary action unless the incident involves harassment or other nonprofessional behavior of a non-ASM participant by an ASM participant.

Concerns and complaints of misconduct can be presented to an Ombudsperson, to any ASM officer, or reported online **here** (<http://www.mammalogy.org/alleged-misconduct-report-form>). Before action can be taken by the Office of the Ombudsperson, allegations must be presented in writing to an Ombudsperson or reported online by the victim or an observer of alleged misconduct occurring within the context of Society events or Society sponsored activities. Individuals may submit anonymous reports to the Ombudsperson(s) online. Note that while we will keep track of anonymous reports, we cannot take action on a single anonymous report without further corroboration. All reports will be taken seriously and will be investigated. Retaliation for reporting of harassment is unacceptable, as is reporting an incident in bad faith.

MEETING ACKNOWLEDGEMENTS

Program Committee

Lois Alexander	Verity L. Mathis
Maddie Arszulowicz	Christy McCain (ASM 2024 Host)
Cody Aylward	Michael McGowen
Kayce C. Bell	R. Neal Platt
Brad R. Blood	Janet L. Rachlow
Camilo Calderon	James M. Ryan (Subcommittee Chair)
Patrice K. Connors (Subcommittee Chair)	Steven R. Sheffield (Subcommittee Chair)
Elmer J. Finck	Erin Siracusa
Elizabeth Flaherty	Kelly A. Speer
John D. Hanson (Associate Chair)	Sandra Talbot
Andrew G. Hope (Subcommittee Chair)	Ginny Turner
Douglas A. Kelt (2023 Co-Host)	Cody W. Thompson (Director & Chair)
Brooks Kohli	Lisa Walsh
Eileen A. Lacey (2023 Co-Host)	Neal Woodman
Kate Lyons	

Next Great Event

Kerrell Dunsmore	Kevin Kowalczyk
Jen Sharpe	

ASM Business Office

Christy Classi	Rachel Schafer
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X-CD Technologies

Daria Cohen	Grant Goldhar
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IMC-13 Logo Design

John Megahan

SPONSOR LIST

Diamond Sponsor



Silver Sponsor



Bronze Sponsors



GENERAL MEETING INFORMATION

Registration Desk

The IMC-13 Registration Desk, located in the 3rd Floor Foyer, will be open for registration from 7:00 am to 5:00 pm throughout the entirety of the meeting. The registration desk will be open from 7:00 am to 7:00 pm on Friday, July 14th. Virtual participants can also contact conference staff at this time for assistance.

Meeting Room Information

Auction for Future Mammalogists Fund – 3rd Floor Foyer & Tikahtnu Terrace
ASM Awards Ceremony – Anchorage Museum
ASM Board of Directors Meetings – K'eneakatnu Boardroom
ASM Committee Meetings – K'eneakatnu Boardroom, Kahtnu 2, Tikahtnu D, and Tubughnenq 3, 4, 5
ASM Members Meetings – Idlughet 3
ASM Officers & Plenary I Speaker(s) Lunch – K'eneakatnu Boardroom
Breaks – Various Locations
Capstone Session – Idlughet 3
Closing Social – Anchorage Museum
Diversity Social & Picnic – Alaska Native Heritage Center
IFM Board Meetings – K'eneakatnu Boardroom
IFM Members Meeting – Idlughet 3
LGBTQIA+ Meet Up – K'eneakatnu Boardroom
NSF Office Hours – Idlughet 1 & 2
Opening Social – 3rd Floor Foyer & Tikahtnu Terrace
Plenary Sessions – Idlughet 3
Poster Sessions – Idlughet 1 & 2
Registration – 3rd Floor Foyer
Run-for-Research – Tony Knowles Coastal Trail
Student Social – 3rd Floor Foyer & Tikahtnu Terrace
Symposia – Idlughet 3 and Tikahtnu A, B
Technical Sessions – Kahtnu 2 and Tikahtnu A, B, C, D, E/F
Workshops -- K'eneakatnu Boardroom, Kahtnu 2, Tikahtnu A, and Tubughnenq 3, 4, 5
Vendor Show – Idlughet 1 & 2

Internet Access

The Dena'ina Civic and Convention Center has complimentary WiFi for meeting attendees.

Messages & Job Announcements

Message boards are located near the Registration Desk on the 3rd Floor Foyer. Participants may post messages or job announcements for friends and colleagues.

Food & Beverage

Breakfast, lunch, and dinner are on your own each day. There are many restaurants, from casual to fine dining, located near the Dena'ina Civic and Convention Center. Except for ticketed events, most evening socials will offer light hors d'oeuvres only and will not be sufficient for a meal. It is recommended that conference attendees find dinner options prior to attending these evening events.

Host and/or cash bars will be available during:

Opening Social – 7:00 to 10:00 pm, Friday, July 14th
Poster Session I & Social – 7:30 to 10:30 pm, Saturday, July 15th
Diversity Social & Picnic – 7:00 to 10:00 pm, Sunday, July 16th
Student Social – 8:00 to 9:30 pm, Tuesday, July 18th
Auction for the Future Mammalogists Fund – 9:30 to 11:30 pm, Tuesday, July 18th
Poster Session IV & Social – 8:30 to 11:30 pm, Wednesday, July 19th
ASM Awards Ceremony – 7:00 to 8:00 pm, Thursday, July 20th
Closing Social – 8:00 to 10:00 pm, Thursday, July 20th

Vendor Show

Exhibitors are located in the Idlughet 1 & 2 during the following hours:

Saturday, July 15th	8:00 am to 5:00 pm
Sunday, July 16th	8:00 am to 5:00 pm
Tuesday, July 18th	8:00 am to 5:00 pm
Wednesday, July 19th	8:00 am to 5:00 pm
Thursday, July 20th	8:00 am to 12:00 pm

Oxford University Press is the world's largest university press with the widest global presence.

Springer offers many opportunities for authors, customers, and partners.

Star-Oddi makes small, high performing loggers for animals and aquatic environments, ranging from short and long term animal research, to oceanographic and quality control studies.

Technosmart Europe is specialized in the development and production of miniature GPS devices, accelerometers, magnetometers, TDRs, and more.

Telenax produces GPS and VHF radio tracking equipment for wildlife research and conservation.

Wildlife Acoustics is the leading provider of bioacoustics monitoring technology for scientists, researchers, and government agencies all over the world.

IN-PERSON VS. VIRTUAL REGISTRATION ACCESS

The table below provides an overview of what conference content you will have access to if you register to attend the IMC-13 meeting *in-person* versus *virtually*.

Program Session Type	IMC-13 Registration Category – Do you have access?	
	In-Person Registration	Virtual Registration
Plenary/Capstone Sessions	Yes (live; also available as virtual content post-meeting)	Yes (live; also available as virtual content post-meeting)
Symposia	Yes (live; also available as virtual content post-meeting)	Select symposia (live; also available as virtual content post-meeting)
Oral Presentations (In-Person)	Yes (live)	Only if prerecorded presentation is uploaded by presenting author
Oral Presentations (Virtual)	Yes (prerecorded; also available as virtual content post-meeting)	Yes (prerecorded; also available as virtual content post-meeting)
Poster Presentations (In-Person)	Yes (live)	Only if prerecorded presentation is uploaded by presenting author
Poster Presentations (Virtual)	Yes (prerecorded; also available as virtual content post-meeting)	Yes (prerecorded; also available as virtual content post-meeting)
Workshops	Yes (live)	To be determined
Social Events	Yes (live)	No
Business & Members Meetings	Yes for both (live; also available as virtual content post-meeting)	Only Members Meetings (live; also available as virtual content post-meeting)

IN-PERSON PRESENTATION GUIDELINES

Oral Presenters

Equipment—The computers provided in the session rooms will be Windows based PCs with Microsoft Office. Your presentation must be created in, or converted to, Microsoft's PowerPoint (.ppt or .pptx) format or Adobe PDF (.pdf) format. PowerPoint files created on Macintosh computers should be previewed on a PC to ensure cross-platform compatibility. Most meeting rooms will have widescreen (16:9) screens. However, both standard (4:3) and widescreen (16:9) formatted presentations will work in all rooms. Laser pointers will be available.

Length & Format—Contributed oral presentations will be allotted 12 minutes for the talk and 3 minutes for questions. Invited presentations, such as plenary sessions and symposia, will have session-specific time allotments.

Moderators—Session moderators will be designated to facilitate each session. The names of the moderators are noted in the session schedule. The session moderator will provide technical assistance with displaying your presentation.

Poster Presenters

At least one author must be present during the entire poster session time period. Check out our **Tips for a Successful Poster** (<https://imc13.com/abstracts/tips-for-a-successful-poster/>).

Poster Size—Maximum poster size is 36 inches high x 48 inches wide in landscape format (86.36 x 121.92 cm). It is important to adhere to these size limitations given multiple posters will be hung simultaneously on a single board. Pushpins and display boards will be provided.

Poster Board Assignments—All poster boards will be numbered. Because some posters are being evaluated, please make sure that you place your poster in the correct location.

Poster Board Set-up and Take-down—Posters should be displayed beginning at 12:00 pm on Saturday, July 15th and removed by 12:00 pm on Thursday, July 20th. **Posters are expected to be displayed during this entire time to allow sufficient time for review.**

OPTIONAL VIRTUAL PRESENTATIONS

Although **NOT** required, in-person attendees presenting contributed oral and poster presentations are encouraged to share their conference presentations with virtual participants by creating and uploading a pre-recording presentation to the virtual platform. In-person oral presentations would follow the 15-minute time limit, and in-person poster presenters would be limited to 5 minutes. All other formatting guidelines and applicable deadlines for virtual presentations apply. **Please see the Virtual Presentation**

Guidelines (<https://imc13.com/abstracts/virtual-presentation-guidelines/>) for additional details.

If you would like to participate in the virtual portion of the meeting, please upload your pre-recorded presentation by the published deadlines. **In-person conference attendees are still expected to present in Anchorage.**

VIRTUAL PRESENTATION GUIDELINES

Deadline

Please plan to have your slides or poster, as well as your recorded presentation, **uploaded by 14 July 2023**. Our committee needs time to check every video to ensure a smooth virtual meeting. We hope you will upload and record your materials well before the deadline. This will allow for better customer service and support, as well as prevent potential slow-downs or web disruptions that can be anticipated during heavy upload periods. It will **also** allow for the addition of closed captioning to virtual presentations.

Oral Presentation requirements

Slides should be prepared in PowerPoint or a similar software package. However, slides should be uploaded to the submission site as a high-resolution PDF. Uploaded slides will be available to meeting attendees as **VIEW ONLY**.

Poster Presentation Requirements

For the best result, submit your poster as a high-resolution PDF in landscape format. The ideal poster dimensions are 1920px by 1080px for the virtual platform. However, a typical 36-inch tall by 48-inch wide poster will work as well. Posters will be available as **VIEW ONLY** to allow for an exhibit hall “like” virtual experience.

Logging into the IMC-13 Abstract Submission Site

Login to the IMC-13 abstract submission site using this link or by copying and pasting this link into your browser (<https://www.xcdsystem.com/asm/abstract/index.cfm?ID=Fs6WGPu>). Your login and password is your email address until you change it. Upon entering the site, confirm your contact information, update your information as needed, agree to the terms, and continue forward.

Presentation Submission

After you complete the login process, you will be at the IMC-13 abstract submission site where you will see your presentation title. By selecting the red “Record Presentation” button, you can now choose to upload a pre-recorded presentation or record your

presentation within the X-CD Virtual Conference Platform. Please see the section titled “Presentation Recording Options” below for more information about these two options.

To upload your presentation slides and posters, please locate the “Slides Upload” or “Poster Upload” button on the submission site. Both presentation slides and posters should be uploaded as PDFs. Presentation recordings can be submitted at the same time or separately.

Presentation Recording Options

Please note that the virtual meeting platform offers a built-in self-recording tool. Though you are not required to use it, we do encourage you to consider it for an effective and easy one-stop, self-serve process. **We strongly recommend you use the most current version of Google Chrome to record your presentation through the virtual conference platform** for the best result and to avoid errors.

For a detailed walkthrough on how to record your virtual presentation using the virtual conference platform tool, please watch [this video](https://support.x-cd.com/portal/en/kb/articles/recording-instructions) or view by copying and pasting this link into your browser (<https://support.x-cd.com/portal/en/kb/articles/recording-instructions>). Please do a test recording prior to recording your full presentation to ensure that your audio and video settings are correct.

If you are more comfortable with another recording platform (e.g., Zoom, Loom, Webex, GoToMeeting, or PowerPoint), you have the option to record using your preferred software package and upload an MP4 video file using the “Upload Presentation Video” button. Be sure to share your screen to make your slides fully visible, and turn on your camera before recording your presentation. Please also review [these helpful tips and tricks](https://support.x-cd.com/portal/en/kb/articles/speaker-tips-and-tricks) for additional presentation settings or view by copying and pasting this link into your browser (<https://support.x-cd.com/portal/en/kb/articles/speaker-tips-and-tricks>).

For all presentation recordings, please be sure to describe your figures and images to capture descriptions in closed captioning. All figure and image descriptions should be given in sufficient detail to allow meeting participants with visual impairments to know their meaning in the recorded presentation. **Contributed oral presentations are limited to 15 minutes, and poster presentations are limited to 5 minutes.** Please adhere to these guidelines.

Networking Lounges

All presenters will have the option to hold “office hours” in a Networking Lounge to field questions from conference attendees. Networking Lounges are located in the online meeting app, and available to all in-person and virtual conference attendees. Networking Lounges are available 24/7 to accommodate all time zones.

BOARD OF DIRECTORS, MEMBERS, AND COMMITTEE MEETINGS

-Please note all times are listed in local Alaska Time-

Friday, July 14th

8:00 am – 5:00 pm ASM Board of Directors Meeting I

Saturday, July 15th

10:00 – 11:00 am ASM Conservation Committee, Part 1
10:00 – 12:00 pm ASM Resolutions Committee, Part 1
11:00 am– 12:00 pm ASM Grants-In-Aid Committee
12:00 – 1:00 pm ASM Honoraria & Travel Awards Committee
12:00 – 1:00 pm ASM Informatics Committee
1:00 – 2:00 pm ASM Mammal Images Library
1:00 – 2:30 pm ASM Publications Advisory Board, Part 1
12:00 – 5:30 pm IFM Board of Directors Meeting
3:30 – 4:30 pm ASM Human Diversity Committee, Part 1
5:30 – 6:30 pm ASM International Relations Committee

Sunday, July 16th

11:30 am – 1:00 pm ASM Biodiversity Committee
11:30 am – 12:30 pm ASM Education & Graduate Students Committee
12:30 – 1:30 pm ASM Public Education Committee
1:00 – 2:00 pm ASM Nomenclature Committee
1:30 – 3:00 pm ASM Members Meeting I
3:30 – 4:30 pm ASM Conservation Committee, Part 2
3:30 – 5:00 pm IFM Members Meeting I

Monday, July 17th

12:30 – 2:30 pm ASM Resolutions Committee, Part 2

Tuesday, July 18th

12:30 – 2:00 pm ASM Publications Advisory Board, Part 2
1:00 – 2:00 pm ASM Membership Committee

Wednesday, July 19th

11:00 am – 12:30 pm ASM Members Meeting II
12:30 – 2:30 pm ASM Board of Directors Meeting II (OPTIONAL)
12:30 – 1:30 pm ASM Human Diversity Committee, Part 2
2:30 – 4:00 pm IFM Members Meeting II (OPTIONAL)
4:00 – 5:30 pm ASM Resolutions Committee, Part 3

Thursday, July 20th

11:30 am – 1:30 pm ASM Program Committee

ASM Committees Not Scheduled to Meet

African Research Fellowship Committee	Latin American Fellowship Committee
Animal Care & Use Committee	Legislation & Regulations Committee
Archives Committee	Marine Mammals Committee
Cameron Award Committee	Merriam Award Committee
Conservation Awards Committee	Office of Ombudspersons
Coordination Committee	Patton Award Committee
Development Committee	Planning & Finance Committee
Grinnell Award Committee	Public Education Committee
Honorary Membership Committee	Student Science Policy Award Committee
Jackson Award Committee	Systematic Collections Committee
Kaufman Award Committee	

WORKSHOPS

-Please note all times are listed in local Alaska Time-

Pre-Meeting

Workshop 1 – Conferencing 101: Optimize the ASM/IMC Conference Experience

- **Time:** Two virtual meetings occurring prior to the meeting:
Part 1 – Monday, June 12, 2023, 3:00-4:00pm
Part 2 – Monday, July 10, 2023, 3:00-4:00pm
- **Location:** Zoom (to be coordinated by Organizer(s))
- **Instructors:** Laurie Dizney, Jenny Duggan, Liz Flaherty, Hayley Lanier, Karen Munroe, Johanna Varner, Pat Zollner
- **Cost:** None
- **Other Information:** Instructors/Organizer(s) will notify participants of all details of this virtual pre-meeting workshop
- **Minimum-maximum attendance:** 10-80
- **Organizer:** Liz Flaherty

Saturday, July 15th, 2023

Workshop 2 – 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 1 (1 HOUR)

- **Time:** 1:00 pm
- **Location:** Tubughnenq' 5
- **Instructor(s)/Facilitator(s):** Kayce Bell and Karen Munroe
- **Cost:** Mentor/Non-student – None; Mentee/Student – None
- **Other Information:** No lunch provided; This workshop only needs a single registration for both sessions July 15th and July 18th). Participants will be contacted by organizer(s) regarding the schedule.
- **Maximum attendance:** 80
- **Organizer(s):** Kayce Bell & Karen Munroe

Workshop 3 – Tailoring animal use protocols to wild mammals: challenges and opportunities for researchers using wild mammals (1.5 HOURS)

- **Time:** 4:00 pm
- **Location:** Tikahtnu A
- **Instructor(s)/Facilitator(s):** Bob Sikes
- **Cost:** None
- **Other Information:** No lunch provided.
- **Maximum attendance:** 420
- **Organizer(s):** Bob Sikes

Monday, July 17th, 2023

Workshop 4 – Geospatial Analysis in R (ALL DAY)

- **Time:** 8:00 am – 5:00 pm
- **Location:** Kahtnu 2
- **Instructor(s)/Facilitator(s):** Amanda Cheeseman and Lisanne Petracca
- **Cost:** Non-student – \$20; Student/Developing Country Attendee – \$15
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Amanda Cheeseman & Lisanne Petracca

Workshop 5 – Introduction to continuous-time movement modeling for animal tracking data (ALL DAY)

- **Time:** 8:00 am – 5:00 pm
- **Location:** Tubughnenq' 3
- **Instructor(s)/Facilitator(s):** Jesse Alston, Roland Kays
- **Cost:** Non-student – \$20; Student/Developing Country Attendee – \$15
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Jesse Alston

Workshop 6 – Using the mammalian microbiome as a framework to explore historical knowledge and object-interpretation as methods for enhancing understanding (HALF DAY)

- **Time:** 8:00 am – 12:00 pm
- **Location:** Tubughnenq' 4
- **Instructor(s)/Facilitator(s):** Kevin Kohl; The Alaska Native Heritage Center
- **Cost:** Non-student – \$15; Student/Developing Country Attendee – \$10
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Kevin Kohl

Workshop 7 – Developing and applying educational modules that link museums, biodiversity literacy, and emerging disease (HALF DAY)

- **Time:** 8:00 am – 12:00 pm
- **Location:** Tubughnenq' 5
- **Instructor(s)/Facilitator(s):** Jocelyn Colella, Anna Monfils, Alejandra Camacho
- **Cost:** Non-student – \$15; Student/Developing Country Attendee – \$10
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Jocelyn Colella & Anna Monfils

Workshop 8 – Wildlife telemetry technologies (HALF DAY)

- **Time:** 8:00 am – 12:00 pm
- **Location:** K'enakatnu Boardroom
- **Instructor(s)/Facilitator(s):** Alex Campos

- **Cost:** Non-student – \$15; Student/Developing Country Attendee – \$10
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Alex Campos

Workshop 9 – Addressing the taxonomic and geographic shortfalls in IUCN Red List Assessments: Guidelines for ASM researchers (2 HOURS)

- **Time:** 12:30 pm
- **Location:** Tubughnenq' 4
- **Instructor(s)/Facilitator(s):** Thomas E. Lacher, Jr., Rosalind Kennerley, Nathan Upham
- **Cost:** Non-student – \$10; Student/Developing Country Attendee – \$5
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Thomas E. Lacher, Jr. & Nathan Upham

Workshop 10 – Undergraduate Research, Education, and Mentoring in Mammalogy (2 HOURS)

- **Time:** 12:30 pm
- **Location:** Tubughnenq' 5
- **Instructors/Panelists:** Kayce Bell, Laurie Dizney, Jennifer Duggan, Hayley Lanier, Jessica Light, Sean Maher, Stephen Mech, Karen Munroe
- **Cost:** Non-student – \$10; Student/Developing Country Attendee – \$5
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Karen Munroe & Laurie Dizney

Workshop 11 – Scenario-Based Bystander Training to Prevent Sexual Harassment and Assault in Mammalogical Field Settings (2 HOURS)

- **Time:** 12:30 pm
- **Location:** K'enakatnu Boardroom
- **Instructor(s)/Facilitator(s):** Allison Payne, Roxanne Beltran, Melissa Cronin
- **Cost:** Non-student – \$10; Student/Developing Country Attendee – \$5
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Jesse Laney & Roxanne Beltran

Workshop 12 – Introduction to R for Mammalogists (2 HOURS)

- **Time:** 3:00 pm
- **Location:** Tubughnenq' 4
- **Instructor(s)/Facilitator(s):** Erika Barthelmess, Sean Maher, Erin Siracusa
- **Cost:** Non-student – \$10; Student/Developing Country Attendee – \$5
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Erika Barthelmess, Sean Maher & Erin Siracusa

Workshop 13 – Using Networked Course-Based Undergraduate Research Experiences (CUREs) and Open-Access Digitized Collections Data to Engage Your Students in Mammalogy (2 HOURS)

- **Time:** 3:00 pm
- **Location:** Tubughnenq' 5
- **Instructor(s)/Facilitator(s):** Cecily Bronson, Patrice Connors, Laurie Dizney, Jennifer Duggan, Liesl Erb, Liz Flaherty, Carly Jordan, Janice Krumm, Hayley Lanier, Johanna Varner, Christopher Yahnke
- **Cost:** Non-student – \$10; Student/Developing Country Attendee – \$5
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Liz Flaherty

Workshop 14 – Mammal Species of the World Next: workshop for extended taxonomic data curation (2 HOURS)

- **Time:** 3:00 pm
- **Location:** K'enakatnu Boardroom
- **Instructor(s)/Facilitator(s):** Nathan Upham, Connor Burgin, Jane Widness
- **Cost:** Non-student – \$10; Student/Developing Country Attendee – \$5
- **Other Information:** No Lunch; Breaks Provided
- **Maximum attendance:** 80
- **Organizer(s):** Nathan S. Upham & Connor Burgin

Tuesday, July 18th, 2023

Workshop 15 – Using Bioacoustics: What can Sound Reveal (2 HOURS)

- **Time:** 11:30 am
- **Location:** Tubughnenq' 5
- **Instructor(s)/Facilitator(s):** Ali Donargo
- **Cost:** None
- **Other Information:** Lunch provided by vendor
- **Maximum attendance:** 80
- **Organizer(s):** Ali Donargo

Workshop 2 – 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 2 (1 HOUR)

- **Time:** 12:30 pm
- **Location:** Tubughnenq' 4
- **Instructor(s)/Facilitator(s):** Kayce Bell and Karen Munroe
- **Cost:** Mentor/Non-student – None; Mentee/Student – None
- **Other Information:** No lunch provided; This workshop only needs a single registration for both sessions July 15th and July 18th). Participants will be contacted by organizer(s) regarding the schedule.
- **Maximum attendance:** 80
- **Organizer(s):** Kayce Bell & Karen Munroe

SYMPOSIA

-Please note all times are listed in local Alaska Time-

Saturday, July 15th, 2023

Symposium 1 – THE DEATH AND LIFE OF ISLAND MAMMALS: EXTINCTION, CHANGE AND RESILIENCE FROM PAST TO FUTURE

- **Time:** 10:00 am
- **Location:** Idlughet 3
- **Speaker(s):** Samuel Turvey, Siobhan Cooke, Liliana Davalos, Alexis Mychajliw, Courtney Hofman, Rosalind Kennerley, Olivia Olson, Rodrigo Hamede
- **Organizer(s):** Samuel T. Turvey & Alexis M. Mychajliw

Symposium 2 – THE SMALL CARNIVORE SYMPOSIUM (PARTS 1 & 2)

- **Time:** Part 1 – 10 am; Part 2 – 2 pm
- **Location:** Tikahtnu A
- **Speaker(s):** Geraldine Veron, Jun Sato, Patricia Moehlman, Laura Prugh, Matthew Smith, Paul Jensen, Sarah Benson-Amram, Marta Manser, Aliza le Roux, Nicole Lynch, Tom Serfass
- **Organizer(s):** Aliza le Roux

Symposium 3 – PHYSIOLOGICAL TRADE-OFFS IN FEMALE MAMMALIAN REPRODUCTION

- **Time:** 10 am
- **Location:** Tikahtnu B
- **Speaker(s):** Chloe Josefson, Teri Orr, Ben Dantzer, Kaylene Yamada, Wendy Hood, Annaliese Beery
- **Organizer(s):** Chloe Josefson & Teri Orr

Symposium 4 – A MODERN OUTLOOK ON THE MANAGEMENT OF INVASIVE MAMMALS: INCLUSIVE, INFORMED, IMPACTFUL (PARTS 1 & 2)

- **Time:** Part 1 – 2pm, Part 2 – 4pm
- **Location:** Idlughet 3
- **Speaker(s):** Dan Simberloff, Yina P. Serna Trujillo, Jason Bruemmer, Toni Piaggio, Kupono Aguirre, Carson Hedberg, Terry L. Smith, Jeff Dolphin, Mariam Latofski Robles, Kawika Winter, Amy Levine
- **Organizer(s):** Katherine Horak & Anna Mangan

Sunday, July 16th, 2023

Symposium 5 – BRING IN THE HEAT: EFFECTS OF ENVIRONMENTAL TEMPERATURE ON MAMMAL BEHAVIOUR

- **Time:** 1:30pm
- **Location:** Tikahtnu A
- **Speaker(s):** Nina Attias, Zaida Ortega, Michelle Sauther, Tanja van de Ven, Zenon Czenze
- **Organizer(s):** Nina Attias & Zaida Ortega

Symposium 6 – RESEARCH OPPORTUNITIES FOR MAMMALOGISTS WITHIN THE NATIONAL ECOLOGICAL OBSERVATORY NETWORK (NEON)

- **Time:** 1:30pm
- **Location:** Tikahtnu B
- **Speaker(s):** Ben Dantzer, Paula Mabee, Loren Buck
- **Organizer(s):** Loren Buck

Tuesday, July 18th, 2023

Symposium 7 – THE MICROBIOME FRONTIER OF MAMMALOGY

- **Time:** 9:30am
- **Location:** Idlughet 3
- **Speaker(s):** Kevin Kohl, Melissa Ingala, Connie Rojas, Dominik Schmid, Jessica Metcalf, Luis Zaman, Kelly Speer, Luis Viquez Rodríguez
- **Organizer(s):** Kelly Speer & Luis Viquez Rodríguez

Symposium 8 – ADVANCES IN PROXIMATE AND ULTIMATE UNDERSTANDING OF RODENT DISPERSAL

- **Time:** 9:30am
- **Location:** Tikahtnu A
- **Speaker(s):** Eileen Lacey, Karen Mabry, Stan Braude, Annaliese Berry, Aubrey Kelly, Melissa Holmes, Nicole Lee
- **Organizer(s):** Annaliese Beery & Eileen Lacey

Symposium 9 – VIEWING DYNAMIC LANDSCAPES THROUGH THE CRYSTAL BALL OF ADAPTATION

- **Time:** 9:30am
- **Location:** Tikahtnu B
- **Speaker(s):** Burt Kotler, Clint Collins, Justine Smith, Douglas Morris, Alexander Pergrams, Emily Potraz, Joel Brown
- **Organizer(s):** Douglas W. Morris & Burt P. Kotler

Symposium 10 – THE OLFACTORY LANDSCAPE: A REAL-TIME DYNAMIC SOURCE OF INFORMATION THAT DRIVES BEHAVIOURAL DECISIONS AND LANDSCAPE USE BY MAMMALS

- **Time:** 1:30pm
- **Location:** Idlughet 3
- **Speaker(s):** Patrick Finnerty, Adrian Shrader, Miguel Bedoya-Perez, Cynthia Thompson, Thorbjörn Sievert, Patrick Garvey, Catherine Price, Clare McArthur
- **Organizer(s):** Adrian M Shrader & Catherine Price

Symposium 11 – WHAT ARE THE EFFECTS OF RESOURCE PULSES ON MAMMAL SPECIES IN A CHANGING WORLD?

- **Time:** 1:30pm
- **Location:** Tikahtnu A

- **Speaker(s):** Ben Dantzer, Stan Boutin, Claudia Bieber, John Paul Williams Soriano, Patrick Bergeron
- **Organizer(s):** Ben Dantzer, Lauren Petrullo, Stan Boutin, Jeff Lane, and Andrew McAdam

Symposium 12 – THE RELATIVE CONTRIBUTIONS OF SOCIAL BONDS TO THE MOVEMENT OF UNGULATE HERDS

- **Time:** 1:30pm
- **Location:** Tikahtnu B
- **Speaker(s):** Hila Shamon, Jerod Merkle, Brett Jesmer, Blair Costelloe, Claire Bresnan, Marie-Pier Poulin
- **Organizer(s):** William J McShea & Hila Shamon

Wednesday, July 19th, 2023

Symposium 13 – FUTURE POPULATION PROJECTIONS UNDER DIFFERENT CLIMATE CHANGE SCENARIOS: THREATENED WILD EQUIDS AS AN EXAMPLE

- **Time:** 2:30pm
- **Location:** Tikahtnu A
- **Speaker(s):** Joseph Ogutu, Redae Tesfai, Dan Rubenstein, Redae Tesfai, Saeideh Esmaeili
- **Organizer(s):** Patricia Moehlman & Joseph Ogutu

Symposium 14 – EMERGING LEADERS IN THE STUDY OF MAMMALIAN RESPONSES TO CHANGING CLIMATES

- **Time:** 4:30pm
- **Location:** Idlughet 3
- **Speaker(s):** Stan Boutin, Emily Studd, Maria Paniw, Alice Brambilla, Briana Abrahms, Michael Peers, Rachel Short
- **Organizer(s):** Stan Boutin, Emily Studd, Michael Peers, Yasmine Majchrzak, Juliana Balluffi-Fry

Symposium 15 – BERINGIAN BIOGEOGRAPHY THROUGH THE LENS OF MAMMALS AND THEIR PARASITES

- **Time:** 4:30pm
- **Location:** Tikahtnu A
- **Speaker(s):** Sandra Talbot, Stephen Greiman, Kayce Bell, Jocelyn Colella, Vadim Fedorov, Kurt Galbreath
- **Organizer(s):** Joseph Cook & Kurt Galbreath

Symposium 16 – DENSITY DEPENDENCE IN UNGULATES: UNDERPINNINGS AND NEW INSIGHTS INTO POPULATION PROCESSES

- **Time:** 4:30pm
- **Location:** Tikahtnu B
- **Speaker(s):** R. Terry Bowyer, Kelley Stewart, Brock MacMillan, Mark Boyce
- **Organizer(s):** R. Terry Bowyer & Kelley M. Stewart

Thursday, July 20th, 2023

Symposium 17 – RECENT ADVANCES IN THE CONSERVATION OF AFRICAN MAMMALS (PARTS I & II)

- **Time:** 8:00am – Part I, 10:00am – Part II
- **Location:** Idlughet 3
- **Speaker(s):** Jacob Goheen, Pablo Goncalves, Fidisoa Rasambainarivo, Iroro Tanshi, Abdullahi Ali, Thandiwe Mweetwa,
- **Organizer(s):** Jacob R. Goheen & Link Olson

Symposium 18 – DATA INTEGRATION FOR STUDYING MAMMAL POPULATIONS

- **Time:** 8:00am
- **Location:** Tikahtnu A
- **Speaker(s):** Roland Kays, Neil Gilbert, Beth Gardner, Anouch Tamian, Nathan Hostetter
- **Organizer(s):** Roland Kays

Symposium 19 – APPLICATION OF CT TECHNOLOGY IN NATURAL HISTORY COLLECTIONS TO BETTER UNDERSTAND MAMMALS: ECOLOGY, EVOLUTION, AND MORPHOLOGY

- **Time:** 10:00am
- **Location:** Tikahtnu A
- **Speaker(s):** Cody Thompson, Ramon Nagesan, Noé de la Sancha, Jessica Light, Rafaela Missagia, Heitor Bissoli-Silva
- **Organizer(s):** Cody W. Thompson & Noé de la Sancha

Symposium 20 – INTEGRATION OF PHYSIOLOGICAL PRINCIPLES IN PREDICTING MAMMALIAN RESPONSES TO A CHANGING WORLD

- **Time:** 1:30pm
- **Location:** Idlughet 3
- **Speaker(s):** Ariovaldo Cruz-Neto, Justin Boyles, L. Monica Trondurd, Danielle Levesque, James Turner, Dani Blumstein, Jeffrey Lane
- **Organizer(s):** Danielle Levesque, Justin Boyles, and Andrea Fuller

Symposium 21 – HOT BODIES: USING WILD UNGULATES TO DISCOVER THE EFFECTS OF WARMING ENVIRONMENTS

- **Time:** 1:30pm
- **Location:** Tikahtnu A
- **Speaker(s):** Rebecca Levine, Alina Evans, Shane Maloney, Bridgett Benedict, Daniel Thompson, Heather Johnson, Hayden Wolfe, Magdalena Niedzialkowska
- **Organizer(s):** Dan Thompson & Perry Barboza

PLENARY I – DR. MAURO GALETTI

-Please note all times are listed in local Alaska Time-



- **Presentation Title:** Defaunation in the Anthropocene and the ecological effects of losing large mammals in tropical rainforests
- **Date & Time:** Saturday, July 15th, 8:30 to 9:30 am
- **Location:** Idlughet 3

PLENARY IIA – ASM STUDENT AWARDEES

-Please note all times are listed in local Alaska Time-



Kathryn Bischoff, Annie M. Alexander Award

- **Presentation Title:** Shrublands alleviate competitive interactions between imperiled and introduced cottontails
- **Date & Time:** Sunday, July 16th, 8:10 to 8:30 am
- **Location:** Idlughet 3



Rachel Stein, Anna M. Jackson Award

- **Presentation Title:** Shrublands alleviate competitive interactions between imperiled and introduced cottontails
- **Date & Time:** Sunday, July 16th, 8:30 to 8:50 am
- **Location:** Idlughet 3



Sean Johnson-Bice, A. Brazier Howell Award

- **Presentation Title:** Tundra gardens' from space: satellite imagery provides a landscape-scale perspective of Arctic fox ecosystem engineering
- **Date & Time:** Sunday, July 16th, 8:50 to 9:10 am
- **Location:** Idlughet 3



Miranda Theriot, Elmer C. Birney Award

- **Presentation Title:** Tundra gardens' from space: satellite imagery provides a landscape-scale perspective of Arctic fox ecosystem engineering
- **Date & Time:** Sunday, July 16th, 9:10 to 9:30 am
- **Location:** Idlughet 3

PLENARY IIB – ASM STUDENT AWARDEES

-Please note all times are listed in Arizona Time-



Monica Engel, Murie Family Conservation Award

- **Presentation Title:** Human dimensions of wildlife through time and space
- **Date & Time:** Sunday, July 16th, 10:00 to 10:30 am
- **Location:** Idlughet 3



Matthew Snider, Albert R. & Alma Shadle Fellowship Award

- **Presentation Title:** Adopting the cutting edge: monitoring methods in sub-Saharan Africa
- **Date & Time:** Sunday, July 16th, 10:30 to 11:00 am
- **Location:** Idlughet 3



Marissa Dyck, ASM Fellowship Award

- **Presentation Title:** Dracula's menagerie- understanding carnivore community ecology in the Romanian Carpathians
- **Date & Time:** Sunday, July 16th, 11:00 to 11:30 am
- **Location:** Idlughet 3

PLENARY III – DR. NYEEMA HARRIS

-Please note all times are listed in local Alaska Time-



- **Presentation Title:** Considering Order Carnivora in 22nd Century Mammalogy
- **Date & Time:** Tuesday, July 18th, 8:05 to 9:00 am
- **Location:** Idlughet 3

PLENARY IV – ASM SENIOR AWARDEES

-Please note all times are listed in Arizona Time-



Dr. Rob Swihart, Joseph Grinnell Award

- **Presentation Title:** The pursuit of learning with probability and statistics: mammals, chase your tails
- **Date & Time:** Wednesday, July 19th, 8:15 to 9:00 am
- **Location:** Idlughet 3



Dr. Sarah James, Honorary Conservation Speaker

- **Presentation Title:** Protecting the Sacred Place Where Life Begins: Porcupine Caribou and Neets'ail Gwich'in Way of Life
- **Date & Time:** Wednesday, July 19th, 9:00 to 9:45 am
- **Location:** Idlughet 3



Dr. Felisa Smith, C. Hart Merriam Award

- **Presentation Title:** Mammal body size: from mice to mammoth and back again
- **Date & Time:** Wednesday, July 19th, 9:45 to 10:30 am
- **Location:** Idlughet 3

CAPSTONE SESSION – DR. GLADYS KALEMA-ZIKUSOKA

-Please note all times are listed in local Alaska Time-



- **Presentation Title:** Integrating Health and People in Gorilla Conservation
- **Date & Time:** Thursday, July 20th, 4:05 to 5:00 pm
- **Location:** Idlughet 3

ASM UNDERGRADUATE HONORARIA AWARDEES

-Please note all times are listed in local Alaska Time-



Katherine Garrett, Undergraduate Honoraria Award

- **Presentation Title:** Life in the slow lane for rufous elephant shrews: life histories of Kenyan small mammals
- **Date & Time:** Thursday, July 20th, 11:00 to 11:15 am
- **Location:** Tikahtnu D



Esteban Restrepo-Cortés, Undergraduate Honoraria Award

- **Presentation Title:** Turnover or co-occurrence: 3D tooth traits distinguish Reithrodontomys species in the fossil record
- **Date & Time:** Saturday, July 15th, 7:30 to 9:00 pm
- **Location:** Idlughet 1 & 2

SOCIAL EVENTS

- Please note all times are listed in local Alaska Time-
- All locations are in the Dena'ina Convention Center unless otherwise noted-

IMC-13 OPENING SOCIAL

- **Date:** Friday, July 14th
- **Time:** 7:00 pm
- **Location:** 3rd Floor Foyer and Tikahtnu Terrace
- **Cost Per Person:** Free w/Registration

POSTER SOCIAL I

- **Date:** Saturday, July 15th
- **Time:** 9:00 pm (follows Poster Session I)
- **Location:** Idlughet 1 & 2
- **Cost Per Person:** Free w/Registration

LGBTQIA+ MEET-UP

- **Date:** Sunday, July 16th
- **Time:** 3:00-3:30 pm
- **Location:** K'enakatnu Boardroom

DIVERSITY SOCIAL & PICNIC

- **Date:** Sunday, July 16th
- **Time:** 7:00 pm (buses begin loading at 6:30 pm)
- **Location:** Alaska Native Heritage Center
- **Cost Per Person:** \$75/non-student attendee; \$35/student attendee; \$30/developing country attendee

24TH ANNUAL GORDON L. KIRKLAND RUN-FOR-RESEARCH

- **Date:** Monday, July 17th
- **Time:** 6:00 am
- **Location:** Tony Knowles Coastal Trail
- **Cost Per Person:** \$25/registration; \$25/t-shirt

STUDENT SOCIAL

- **Date:** Tuesday, July 18th
- **Time:** 7:30 pm
- **Location:** 3rd Floor Foyer and Tikahtnu Terrace
- **Cost Per Person:** Free w/Student Registration

AUCTION FOR THE FUTURE MAMMALOGISTS FUND

- **Date:** Tuesday, July 18th
- **Time:** 9:00 pm
- **Location:** 3rd Floor Foyer and Tikahtnu Terrace
- **Cost Per Person:** Free w/Registration

POSTER SOCIAL IV

- **Date:** Wednesday, July 19th
- **Time:** 10:00 pm (follows Poster Session IV)
- **Location:** Idlughet 1 & 2
- **Cost Per Person:** Free w/Registration

ASM AWARDS CEREMONY

- **Date:** Thursday, July 20th
- **Time:** 7:00 pm
- **Location:** Anchorage Museum
- **Cost Per Person:** Free w/Closing Social Ticket (see below)

IMC-13 CLOSING SOCIAL

- **Date:** Thursday, July 20th
- **Time:** 8:00 pm
- **Location:** Anchorage Museum
- **Cost Per Person:** \$75/non-student attendee; \$35/student attendee; \$30/developing country attendee



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PROGRAM AT-A-GLANCE

-All locations are in the Dena'ina Convention Center unless otherwise noted-

-Please note all times are listed in local Alaska time-

-Hybrid Sessions are in **bold and underlined**-

MONDAY, JUNE 12TH, 2023 (PRE-MEETING)		
TIME	EVENT	LOCATION
3:00 pm	Workshop 1 – Conferencing 101, Part 1	Zoom (to be coordinated by workshop organizer)
MONDAY, JULY 10TH, 2023 (PRE-MEETING)		
TIME	EVENT	LOCATION
3:00 pm	Workshop 1 – Conferencing 101, Part 2	Zoom (to be coordinated by workshop organizer)
FRIDAY, JULY 14TH, 2023		
TIME	EVENT	LOCATION
7:00 am	Registration (ALL DAY)	3rd Floor Foyer
8:00 am	ASM Board of Directors Meeting I (ALL DAY)	K'eneakatnu Boardroom
8:00 am	Pre-Meeting Field Trips (ALL DAY)	On Your Own
5:00 pm	Dinner	On Your Own
7:00 pm	Opening Social	3rd Floor Foyer & Tikahtnu Terrace
SATURDAY, JULY 15TH, 2023		
TIME	EVENT	LOCATION
7:00 am	Registration (ALL DAY)	3rd Floor Foyer
<u>8:00 am</u>	<u>Plenary Session I – Dr. Mauro Galetti</u>	<u>Idlughuet 3</u>
8:00 am	Vendor Show (ALL DAY)	Idlughuet 1 & 2
8:00 am	Virtual Poster Session (ALL DAY)	On-Demand (X-CD Platform)
8:00 am	Virtual Technical Session (ALL DAY)	On-Demand (X-CD Platform)
9:30 am	Break	Various Locations
10:00 am	ASM Committee Meeting – Conservation, Part 1	Tubughnenq 3
10:00 am	ASM Committee Meeting – Resolutions, Part 1	Tubughnenq 5
<u>10:00 am</u>	<u>Symposium 1 – Island Mammals</u>	<u>Idlughet 3</u>
10:00 am	Symposium 2 – Small Carnivores, Part 1	Tikahtnu A
10:00 am	Symposium 3 – Female Reproduction	Tikahtnu B
10:00 am	Technical Sessions 1, 2, 3	Tikahtnu C, D, E/F

11:00 am	ASM Committee Meeting – Grants-In-Aid	Tubughnenq 4
12:00 pm	ASM Committee Meeting – Honoraria & Travel Awards	Tubughnenq 3
12:00 pm	ASM Committee Meeting – Informatics	Tubughnenq 4
12:00 pm	IFM Board Meeting (HALF DAY)	K'eneakatnu Boardroom
12:00 pm	Lunch	On Your Own
1:00 pm	ASM Committee Meeting – Mammal Images Library	Tubughnenq 4
1:00 pm	ASM Committee Meeting – Publications Advisory Board, Part 1	Tubughnenq 3
1:00 pm	Workshop 2 – 1-on-1 Mentoring, Part 1 (1 HOUR)	Tubughnenq 5
2:00 pm	Symposium 2 – Small Carnivores, Part 2	Tikahtnu A
2:00 pm	<u>Symposium 4 – Invasive Mammals, Part 1</u>	<u>Idlughet 3</u>
2:00 pm	Technical Sessions 4, 5, 6, 7, 8	Tikahtnu B, C, D, E/F; Kahtnu 2
3:30 pm	Break	Various Locations
3:30 pm	ASM Committee Meeting – Human Diversity, Part 1	Tubughnenq 4
4:00 pm	<u>Symposium 4 – Invasive Mammals, Part 2</u>	<u>Idlughet 3</u>
4:00 pm	Technical Sessions 9, 10, 11, 12, 13	Tikahtnu B, C, D, E/F; Kahtnu 2
4:00 pm	Workshop 3 -- Tailoring animal use protocols	Tikahtnu A
5:30 pm	ASM Committee Meeting – International Relations	Tubughnenq 3
5:30 pm	Dinner	On Your Own
7:30 pm	Poster Session I	Idlughet 1 & 2
9:00 pm	Poster Social I	Idlughet 1 & 2

SUNDAY, JULY 16TH, 2023

TIME	EVENT	LOCATION
7:00 am	Registration (ALL DAY)	3rd Floor Foyer
8:00 am	<u>Plenary Session IIA – ASM Student Awardees</u>	<u>Idlughet 3</u>
8:00 am	Vendor Show (ALL DAY)	Idlughet 1 & 2
8:00 am	Virtual Poster Session (ALL DAY)	On-Demand (X-CD Platform)
8:00 am	Virtual Technical Session (ALL DAY)	On-Demand (X-CD Platform)
9:30 am	Break	Various Locations
10:00 am	<u>Plenary Session IIB – ASM Student Awardees</u>	<u>Idlughet 3</u>
11:30 am	ASM Committee Meeting – Biodiversity	Tubughnenq 5

11:30 am	ASM Committee Meeting – Graduate Students & Education	Tubughnenq 4
11:30 am	ASM Officers & Student Speakers Lunch	K'eneakatnu Boardroom
11:30 am	Lunch	On Your Own
12:30 pm	ASM Committee Meeting – Public Education	Tubughnenq 3
1:00 pm	ASM Committee Meeting – Nomenclature	Tubughnenq 5
1:30 pm	<u>ASM Members Meeting I</u>	<u>Idlughuet 3</u>
1:30 pm	Symposium 5 – Temperature & Behaviour	Tikahtnu A
1:30 pm	Symposium 6 – NEON for Mammalogists	Tikahtnu B
1:30 pm	Technical Session 14	Tikahtnu C
3:00 pm	Break	Various Locations
3:00 pm	LGBTQIA+ Meet Up	K'eneakatnu Boardroom
3:30 pm	ASM Committee Meeting – Conservation, Part 2	Tubughnenq 5
3:30 pm	<u>IFM Members Meeting I</u>	<u>Idlughuet 3</u>
3:30 pm	Poster Session II	Idlughuet 1 & 2
5:00 pm	Dinner	On Your Own
6:30 pm	Buses begin loading for Diversity Social & Picnic	Dena'ina Convention Center
7:00 pm	Diversity Social & Picnic	Alaska Native Heritage Center

MONDAY, JULY 17TH, 2023

TIME	EVENT	LOCATION
6:00 am	Gordon L. Kirkland Run for Research	Tony Knowles Coastal Trail
7:00 am	Registration (ALL DAY)	3rd Floor Foyer
8:00 am	Mid-Meeting Field Trips (ALL DAY)	On Your Own
8:00 am	Virtual Poster Session (ALL DAY)	On-Demand (X-CD Platform)
8:00 am	Virtual Technical Session (ALL DAY)	On-Demand (X-CD Platform)
8:00 am	Workshop 4 -- Geospatial Analysis in R (ALL DAY)	Kahtnu 2
8:00 am	Workshop 5 -- Animal Tracking Data (ALL DAY)	Tubughnenq 3
8:00 am	Workshop 6 -- Mammalian Microbiome (HALF DAY)	Tubughnenq 4
8:00 am	Workshop 7 -- Museums & Biodiversity (HALF DAY)	Tubughnenq 5
8:00 am	Workshop 8 -- Wildlife Telemetry (HALF DAY)	K'eneakatnu Boardroom
10:00 am	Break (Workshops Only)	2nd Floor Foyer
12:00 pm	Lunch (Workshops Only)	On Your Own
12:30 pm	ASM Committee Meeting – Resolutions, Part 2	Tikahtnu D
12:30 pm	NSF Office Hours – Dr. Denise Dearing	Idlughuet 1 & 2

12:30 pm	Workshop 9 -- IUCN Red List (2 HOURS)	Tubughnenq 4
12:30 pm	Workshop 10 -- Undergraduate Research (2 HOURS)	Tubughnenq 5
12:30 pm	Workshop 11 -- Bystander Training (2 HOURS)	K'eneakatnu Boardroom
2:30 pm	Break (Workshops Only)	2nd Floor Foyer
3:00 pm	Workshop 12 -- Introduction to R (2 HOURS)	Tubughnenq 4
3:00 pm	Workshop 13 -- CUREs in Mammalogy (2 HOURS)	Tubughnenq 5
3:00 pm	Workshop 14 -- Mammal Species of the World (2 HOURS)	K'eneakatnu Boardroom
5:00 pm	Dinner	On Your Own

TUESDAY, JULY 18TH, 2023

TIME	EVENT	LOCATION
7:00 am	Registration (ALL DAY)	3rd Floor Foyer
8:00 am	<u>Plenary Session III – Dr. Nyeema Harris</u>	<u>Idlughuet 3</u>
8:00 am	Vendor Show (ALL DAY)	Idlughuet 1 & 2
8:00 am	Virtual Poster Session (ALL DAY)	On-Demand (X-CD Platform)
8:00 am	Virtual Technical Session (ALL DAY)	On-Demand (X-CD Platform)
9:00 am	Break	Various Locations
9:30 am	<u>Symposium 7 -- Microbiome Frontier</u>	<u>Idlughuet 3</u>
9:30 am	Symposium 8 -- Rodent Dispersal	Tikahtnu A
9:30 am	Symposium 9 -- Landscapes & Adaptation	Tikahtnu B
9:30 am	Technical Sessions 15,16, 17	Tikahtnu C, D, E/F
11:30 am	ASM Officers & NSF Lunch	K'eneakatnu Boardroom
11:30 am	Lunch	On Your Own
11:30 am	Workshop 14 -- Using Bioacoustics (2 HOURS)	Tubughnenq 5
12:30 pm	Workshop 2 -- 1-on-1 Mentoring, Part 2 (1 HOUR)	Tubughnenq 4
1:00 pm	ASM Committee Meeting – Membership	Kahtnu 2
1:00 pm	ASM Committee Meeting – Publications Advisory Board, Part 2	Tubughnenq 3
1:30 pm	<u>Symposium 10 -- Olfactory Landscape</u>	<u>Idlughuet 3</u>
1:30 pm	Symposium 11 -- Resource Pulses	Tikahtnu A
1:30 pm	Symposium 12 -- Movement of Ungulates	Tikahtnu B
1:30 pm	Technical Sessions 18, 19, 20	Tikahtnu C, D, E/F
3:30 pm	Break	Various Locations
4:00 pm	Poster Session III	Idlughuet 1 & 2
5:30 pm	Dinner	On Your Own

7:30 pm	Student Social	3rd Floor Foyer & Tikahtnu Terrace
8:30 pm	Auction for Future Mammalogists	3rd Floor Foyer & Tikahtnu Terrace

WEDNESDAY, JULY 19TH, 2023

TIME	EVENT	LOCATION
7:00 am	Registration (ALL DAY)	3rd Floor Foyer
8:00 am	<u>Plenary Session IV – ASM Senior Awardees</u>	<u>Idlughuet 3</u>
8:00 am	Vendor Show (ALL DAY)	Idlughuet 1 & 2
8:00 am	Virtual Poster Session (ALL DAY)	On-Demand (X-CD Platform)
8:00 am	Virtual Technical Session (ALL DAY)	On-Demand (X-CD Platform)
10:30 am	Break	Various Locations
11:00 am	<u>ASM Members Meeting II</u>	<u>Idlughuet 3</u>
11:00 am	Technical Sessions 21, 22, 23	Tikahtnu A, B, C
12:30 pm	ASM Board of Directors Meeting II (OPTIONAL)	K'eneakatnu Boardroom
12:30 pm	ASM Committee Meeting – Human Diversity, Part 2	Tubughnenq 5
12:30 pm	Lunch	On Your Own
2:30 pm	<u>IFM Members Meeting II (OPTIONAL)</u>	<u>Idlughuet 3</u>
2:30 pm	Symposium 13 -- Equid Populations	Tikahtnu A
2:30 pm	Technical Sessions 24, 25, 26, 27	Tikahtnu B, C, D, E/F
4:00 pm	ASM Committee Meeting – Resolutions, Part 3	Tubughnenq 5
4:00 pm	Break	Various Locations
4:30 pm	<u>Symposium 14 -- Responses to Climate</u>	<u>Idlughuet 3</u>
4:30 pm	Symposium 15 -- Mammals & Parasites	Tikahtnu A
4:30 pm	Symposium 16 -- Density in Ungulates	Tikahtnu B
4:30 pm	Technical Sessions 28, 29, 30	Tikahtnu C, D, E/F
6:30 pm	Dinner	On Your Own
8:30 pm	Poster Session IV	Idlughuet 1 & 2
10:00 pm	Poster Social IV	Idlughuet 1 & 2

THURSDAY, JULY 20TH, 2023

TIME	EVENT	LOCATION
7:00 am	Registration (ALL DAY)	3rd Floor Foyer
8:00 am	<u>Symposium 17 -- African Mammals, Part 1</u>	<u>Idlughuet 3</u>
8:00 am	Symposium 18 -- Data Integration	Tikahtnu A
8:00 am	Technical Sessions 31, 32, 33, 34, 35	Tikahtnu B, C, D, E/F; Kahtnu 2

8:00 am	Vendor Show (HALF DAY)	Idlughuet 1 & 2
8:00 am	Virtual Poster Session (ALL DAY)	On-Demand (X-CD Platform)
8:00 am	Virtual Technical Session (ALL DAY)	On-Demand (X-CD Platform)
9:30 am	Break	Various Locations
10:00 am	<u>Symposium 17 -- African Mammals, Part 2</u>	<u>Idlughuet 3</u>
10:00 am	Symposium 19 -- CT Technology	Tikahtnu A
10:00 am	Technical Sessions 36, 37, 38, 39, 40	Tikahtnu B, C, D, E/F; Kahtnu 2
11:30 am	ASM Committee Meeting – Program	K'eneakatnu Boardroom
11:30 am	Lunch	On Your Own
1:30 pm	<u>Symposium 20 -- Physiological Responses</u>	<u>Idlughuet 3</u>
1:30 pm	Symposium 21 -- Wild Ungulates	Tikahtnu A
1:30 pm	Technical Sessions 41, 42, 43, 44	Tikahtnu B, C, D, E/F
3:30 pm	Break	Various Locations
4:00 pm	<u>Capstone Session – Dr. Gladys Kalema-Zikusoka</u>	<u>Idlughuet 3</u>
5:00 pm	Dinner	On Your Own
7:00 pm	ASM Awards Ceremony	Anchorage Museum
8:00 pm	Closing Social	Anchorage Museum
FRIDAY, JULY 21ST, 2023		
8:00 am	Post-Meeting Field Trips (ALL DAY)	On Your Own



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PRE-MEETING WORKSHOPS
-ZOOM (TO BE COORDINATED BY WORKSHOP ORGANIZER)-
 -Please note all times are listed in local Alaska time-

Monday, June 12th (Pre-Meeting)	
3:00 PM	Workshop 1 -- Conferencing 101: Optimize the ASM/IMC Conference Experience, Part 1
Monday, July 10th (Pre-Meeting)	
3:00 PM	Workshop 1 -- Conferencing 101: Optimize the ASM/IMC Conference Experience, Part 2

FRIDAY, JULY 14TH, OPENING DAY
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	ASM Board of Directors Meeting I (ALL DAY) – K'eneakatnu Boardroom
8:00 AM	Pre-Meeting Field Trips (ALL DAY) – On Your Own
5:00 PM	Dinner -- On Your Own
7:00 PM	Opening Social – 3rd Floor Foyer & Tikahtnu Terrace

SATURDAY, JULY 15TH, PLENARY SESSION I
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (ALL DAY) -- Idlughnet 1 & 2
8:00 AM	Virtual Poster Session (ALL DAY) – On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) – On-Demand (X-CD Platform)
8:00 AM	Plenary Session I (Dr. Mauro Galetti) – Idlughet 3
Welcome & Announcements Eileen Lacey, Enrique Lessa	
001: Defaunation in the Anthropocene and the ecological effects of losing large mammals in tropical rainforests Mauro Galetti , Nacho Villar, Yuri Souza, Lais Lautenschlager Rodrigues, Letícia Gonçalves, Valesca Zipparro, Pedro Galetti Jr., Bruno Saranholi, Tsai Mui, Andressa Venturini, Mathias Pires, Rodrigo Fadini	

Presenting Author in Bold

**SATURDAY, JULY 15TH, VIRTUAL POSTER SESSION
-ON-DEMAND (X-CD PLATFORM)-**

-Please note all times are listed in local Alaska time-

8:00 AM	Virtual Poster Session (ALL DAY) – On-Demand (X-CD Platform)
	V-01: How should we manage "crop-foraging individuals"? consideration on management strategy based on their ecological characteristics Ayaka Hata , Rumiko Nakashita, Keita Fukasawa, Tomoko Anezaki, Masato Minami, Yuko Fukue, Naoko Higuchi, Hikaru Uno, Yasuhiro Nakajima, Midori Saeki, Chinatsu Kozakai, Mayura B. Takada
	V-02: Perceptions of Scientist Spotlight Assignments: Perspectives of Students at a Rural State University Jacob Woods, Allie Pakkebier, Christopher Crawford, Lorelei Patrick
	V-03: Shape-shifting squirrels: investigating morphological variations in fox squirrels under climate change and urbanization. Andrew Hughes , Miranda Theriot, Hayley Lanier
	V-04: Effects of reconstruction work from the nuclear disaster on raccoon habitat use Daisuke Nakamura , Masataka Yoshida, Chinatsu Kozakai, Ryusuke Fujimoto, Norihiro Hoshi, Masahiko Takeuchi
	V-05: On the distribution of the Chacoan Mouse opossum (<i>Cryptonanus chacoensis</i>, Didelphidae) in Argentina Alejadra Gavazza
	V-06: Impacts of over-abundant Sika deer on the winter habitat use of the mountain hare Takahiro Murakami , Masami Yamanaka, Tsuyoshi Ishinazaka, Takuya Murakami, Hideaki Okada
	V-07: Long-term high-density status of the sika deer and expansion of grassland on Kinkazan Island Okada Ayumi , Maki Shintani, Shin-nosuke Ogawa, Junji Shindo, Seiki Takatsuki, Masato Minami, Naoko Higuchi, Nobumasa Onishi, Takehiko Ito, Rie Nishiya
	V-08: Asitaic black bear microsite selection in a human-dominant landscape in the Central Alps, Japan Tomoki Mori , Shigeyuki Izumiyama
	V-09: Climate and plant biomass as size determinants in the herb field mouse (<i>Apodemus uralensis</i>) Ana Maria Benedek , Albina Amshokova, Laima Balčiauskienė, Jan Cichocki, Alexander Csanády, Philippe de Mendonça, Linas Balčiauskas
	V-10: Reconciling taxonomy with phylogeny in zokors, root rats, and bamboo rats (<i>Myospalacinae</i> and <i>Rhizomyinae</i>; <i>Spalacidae</i>) Leah Beraki , Ryan Norris

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V-11: Arthropod parasites response to rodent host characteristics and land use intensity in a rural landscape Alexandra Sandu , Ana Maria Benedek, Ioan Sîrbu, Ioana Boeraş, Anamaria Lazăr, Niculina Viorica Cic, Denisa Maria Cocîrlea, Gabriela Vornicu
V-12: Bison (<i>Bison bison</i>) herd movements via group decision making Matthew Sapien , Perri Eason
V-13: Unfolding the mysteries of the brazilian pampas cat in one of its key protected area João Mendonça , Tadeu de Oliveira, Leandro Silveira, Anah Jácomo
V-14: Determinants of carnivore occurrence in degraded areas of the Eastern Amazon Ana Carolina da Cunha Ribeiro Ribeiro , Juliana Januária Teixeira Santos, Leonardo Sena, Øystein Wiig, Ana Cristina Mendes de Oliveira
V-15: Seasonal change and regional difference in activity cycles of Mongolian gazelles revealed by acceleration analysis Ako Nagasaki , Takehiko Ito, Dale Kikuchi, Munkhbat Uuganbayar, Buyanaa Chimeddorj, Hideharu Tsukada
V-16: How does acorn availability affect populations of white-footed mice (<i>Peromyscus leucopus</i>) at Hawk Mountain (PA)? Samantha Varner, Dawn Kaufman , Shealyn Marino, Michael Steele
V-17: Habitat selection and activity patterns of the Japanese weasel in an urban river landscape, Tokyo Haoyu Zhou , Chris Newman, Emi Kuboshima, Yayoi Kaneko
V-18: Effect of land use on small mammal communities in a pasture-dominated agricultural landscape Ioana Daniela Slimnicean , Ana Maria Benedek, Alexandra Sandu
V-19: Use of soybean fields by Asiatic black bears: body size and distance from roads SOTA WATANABE
V-20: Ultrasonic vocalizations in a South American subterranean rodent: the social tuco-tuco (<i>Ctenomys sociabilis</i>) Juan Amaya , Eileen Lacey, Juliana Benitez Saldivar, Juan Areta
V-21: Camera trapping reveals that invasive raccoons exclude native badgers from their setts in Hinode-town, Tokyo Yusuke Takada, Hiroshi Tsunoda, Takeshi Kanda, Chris Newman, Yayoi Kaneko
V-22: Population parameters and conservation of the vulnerable <i>Leopardus guttulus</i> in the species microcosm in Southern-Brazil Vinícius Morais , Tadeu de Oliveira
V-23: Conservation genetics of the woodland jumping mouse (<i>Napaeozapus insignis</i>) in southern Appalachian spruce-fir sky islands Claire Watersmith , Brian Arbogast, Stephanie Kamel

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V-24: Conservation genetics of the southern red-backed vole (<i>Myodes gapperi</i>) in North Carolinas spruce-fir forests Alexandra DeLuca , Brian Arbogast, Stephanie Kamel
V-25: Current status and range expansion history of the wild boar on Japanese islands Takeo Kuriyama , Mayu Yoshimura
V-26: Distribution change and niche overlap of meso-carnivores and wild boars in urban area Kazumi Arai , Takahiro Murakami
V-27: The invisible threat of dog diseases spillover for the conservation of threatened small felids ANA CALIXTO CAMPINA , Luana Cristina Correia Gonçalves, Vinícius Corrêa Oliveira, Ana Carolina da Cunha Ribeiro Ribeiro, Lester Fox-Rosales, Vitor Moura, Tadeu de Oliveira, Alana Lislea de Sousa
V-28: Utilization patterns of tree cavity by <i>Diplothrix legata</i> (Muridae) in the Ryukyu Archipelago, Japan Teppey Higashi , Nobuhiko Kotaka, Shun Kobayashi
V-29: Population status and increasing threats of the Iriomote cat <i>Prionailurus bengalensis iriomotensis</i> Masako Izawa
V-30: Effects and viability on mammalian species in the Amazon and savannas in the Brazilian mid-north Vitor Emanuel Moura , Tadeu de Oliveira
V-31: Ear mite infection destabilizes otic microbial networks in tumor-susceptible Santa Catalina Island foxes Jasmine Lu , Emily Hamblen, Lara Brenner, Julie King, Bridgett vonHoldt, Alexandra DeCandia
V-32: Assessing the abundance patterns of the lowland tapir (<i>Tapirus terrestris</i>) throughout South America Mateus Tavares , Tadeu de Oliveira
V-33: Claws and Fangs: Carnivore Abundance and the Conservation Importance of the Amazon Vitor Emanuel Moura , BRENO LIMA, Lester Fox-Rosales, Tadeu de Oliveira
V-34: Carnivores' distribution and priority areas for conservation in the Amazon/Cerrado ecotone zone of mid-north Brazil João Mendonça , Tadeu de Oliveira
V-35: Lunar influence in bat feeding patterns in a protected Atlantic Forest, Brazil. Williane de Lima , Luane Ferreira, Thiago Pinheiro, Wigna C. Silva, João Emanuel M. Santos, Fábio Falcão, Adriana Q. Lima, Alice Calvente, Renata Sousa-Lima
V-36: Phylogenetic relationships of South American canids and biogeographic history of the genus <i>Lycalopex</i> (Carnivora: Canidae). Alexander Sánchez Rojas , Maximiliano Ortiz Varela, Hugo Mantilla Meluk, Diana Lucia Buitrago Torres

Presenting Author in Bold

**FRIDAY, JULY 14TH, VIRTUAL TECHNICAL SESSION
-ON-DEMAND (X-CD PLATFORM)-**

-Please note all times are listed in local Alaska time-

8:00 AM	Virtual Technical Session (ALL DAY) – On-Demand (X-CD Platform)
	V-37: Extrinsic and intrinsic factors driving the reproductive phenology and success of Scandinavian brown bears Lucie Lemièr , Alexandra Thiel, Boris Fuchs, Emmanuelle Gilot-Fromont, Anne G. Hertel, Andrea Friebe, Jonas Kindberg, Ole-Gunnar Støen, Jon M. Arnemo, Alina L. Evans
	V-38: Reinterpreting deer: benefits, disturbance regime, and bias Brice Hanberry
	V-39: Quantifying the relationship between activity and heart rate as proxy for energy expenditure in moose Theresa Kirchner , Olivier Devineau, Marianna Chimienti, Daniel Thompson, John Crouse, Alina L. Evans, Alexandra Thiel, Barbara Zimmermann, Ane Eriksen
	V-40: Towards a single authoritative taxonomic list of all mammal species: a plea for global contribution Frank Zachos
	V-41: An eye in the sky helps an endangered keystone species in Mongolia Maria Vittoria Mazzamuto , Enkhmaa Enkhbat, Ulam-Ornokh Bayanmunkh, Sukhchuluun Gansukh, Adiya Yansanjav, John Koprowski
	V-42: Evolution of the toothed whale mandible: How diet and echolocation influence form and function Ellen Coombs , Andrew Knapp, Travis Park, Matthew McCurry, Robert Boessenecker, Rebecca Bennion, Agnese Lanzetti, Michael McGowen
	V-43: Investigating coexistence mechanism of four sympatric Paradoxurinae (Carnivora: Viverridae) species in Borneo Miyabi Nakabayashi , Takumi Tsutaya, Abdul Hamid Ahmad, Yoko Sasaki, Nanako Ogawa, Naoto Ishikawa, Naohiko Ohkouchi
	V-44: Effects of free-roaming dogs on site occupancy of endangered Formosan pangolins Hsiang Ling Chen
	V-45: The effect of domestic dogs on armadillos in protected areas of Sao Paulo state, Brazil Leticia Moretto , Rita Bianchi, Roland Kays
	V-46: Hunting activity modulates wolves activity patterns during the breeding season Ilad Vivas , Alicia Zafra, Isabel Barja
	V-47: Do repeated heat detection techniques during breeding season increase physiological stress in female European mink? Lorena Ortiz-Jiménez , Ilad Vivas, Isabel Barja

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V-48: From flies to spiders, the seasonal variation on the diet of the notch-eared bat Nerea Vallejo , Joxerra Aihartza, Lander Olasagasti, Miren Aldasoro, Urtzi Goiti, Inazio Garin
V-49: Automated and repeated aerial observations of individuals within herds using UAVs and open-source GPS collars Colin Torney , Cyrus Kavwele, Grant Hopcraft
V-50: Comparison of the ontogenetic diet change in three horseshoe bat species Miren Aldasoro , Nerea Vallejo, Joxerra Aihartza
V-51: Felid activity patterns in a state park in the Atlantic Forest of southeast Brazil. Rhayssa Faria , Eleonore Setz, László Nagy
V-52: Deciphering the fecal virome of <i>Didelphis aurita</i> (Didelphimorphia) females in an Atlantic Forest fragment Maria Eduarda Soares , Mirela D'arc, Caryne Braga
V-53: Finding rare brown bear haplotypes in the south of the Russian Far East. Valentin Guskov
V-54: Population trends of the Kuril harbor seal from 1974 to 2022 in southeastern Hokkaido, Japan Yumi Kobayashi , Kyohei Tamura, Satoshi Okamoto, Naoki Toyoda, Kaho Higuma, Hiromi Nabeshima, Ayumi Yamada, Mikiya Oikawa
V-55: Recent and rapid ecogeographical rule reversals in Northern Treeshrews Maya Juman , Virginie Millien, Link Olson, Eric Sargis
V-56: Extended distribution of <i>Myocastor coypus</i> at the north of Rio de Janeiro state Brazil Juan Arias , Wendel Constantino, Leandro de Oliveira Drummond, Amanda Braga, Ian Moreira Souza, Guilherme Silva, Carina Azevedo Oliveira Silva, Pablo Gonçalves, Caryne Braga
V-57: Local environment strongly influences the milk microbiomes of captive Cercopithecine primates Sally Bornbusch , Carly Muletz-Wolz, Mia Keady, Lindsey Gentry, Michael Power
V-58: Costs of competition and the benefits of affiliative relationships Melissa A. Pavez Fox , Delphine De Moor, Erin Siracusa, Clare Kimock, Samuel Ellis, Nahiri Rivera-Barreto, Josué Negron-Del Valle, Daniel Phillips, Angelina Ruiz-Lambides, Noah Snyder-Mackler, James Higham, Lauren Brent
V-59: Prematurely declaring the Caspian tiger as extinct facilitated a missed opportunity to save this species Ozgun Emre Can , Neil D'Cruze
V-60: Variations in masticatory musculature within the family of African mole-rats (Bathyergidae) Andrea Kraus , Radim Šumbera, Pierre-Henri Fabre, Lionel Hautier, Nigel Bennett

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V-61: Revisiting the taxonomy of <i>Ctenomys</i> in northern Patagonia: new specimens and integrative new analyses Mauro Tammone , Eileen Lacey, Erika Cuéllar Soto, Damián Voglino, Ulyses Pardiñas
V-62: Living at the edge: interspecific interactions between sympatric felids in the harsh semi-arid Caatinga drylands Lester Fox-Rosales , Liana Sena, FLAVIO HENRIQUE RODRIGUES, Tadeu de Oliveira
V-63: Diversity of tuco-tucos (Mammalia: Ctenomyidae) in central Argentina: implications for their systematics and conservation status Facundo Contreras , Fernando Mapelli, José Priotto, Pablo Teta, Daniela Pereyra, José Coda
V-64: Evaluating the efficacy of deterrent strategies used to mitigate human-wildlife conflict Alexandra Burnett , John Koprowski
V-65: Reshaping of the red squirrel gut microbiome ahead of a food pulse Lauren Petruzzo , Stan Boutin, Jeffrey Lane, Andrew McAdam, Ben Dantzer
V-66: Secondary poisoning of steppe polecat (<i>Mustela eversmanii</i>) and European polecat (<i>M. putorius</i>) by anticoagulant rodenticides Tamas Cserkesz , Julianna Szapu, Lanszki József
V-67: Convergent evolution of the bony labyrinth in Afrotheria and non-afrotherian mammals Nicole Grunstra , Anne Le Maître, Fabian Hollinetz, Guillermo Bravo Morante, Frank Zachos, Viola Winkler, Cathrin Pfaff, Philipp Mitteroecker
V-68: Conservation Genomics of Small Carnivores Eduardo Eizirik
V-69: Global transmission risk of Lyme disease based on the biogeography of mammals and ticks Marina Cobos-Mayo , Adrián Martín-Taboada, Alisa Aliaga-Samanez, Marina Segura, Jesús Olivero
V-70: Native or invasive alien squirrels: which are better adapted to urban life? Claudia Tranquillo , Lucas Wauters, Francesca Santicchia, Mattia Panzeri, Damiano Preatoni, Adriano Martinoli, Francesco Bisi
V-71: <i>Trinomys eliasi</i> the explorer: use of spool-and-line in a backpack to discover burrows Amanda Braga , Juan Arias, Maria Eduarda Soares, Pablo Gonçalves, Caryne Braga
V-72: Relationship between bats and Black-tailed Prairie Dog (<i>Cynomys ludovicianus</i>) colonies in Western Kansas Mario Rodriguez , Lorelei Patrick, Justin Roemer

Presenting Author in Bold

V-73: Genetics of urban colonization: Neutral and adaptive variation in urban coyotes and foxes Alexandra DeCandia, Carol Henger, Amelia Krause, Linda Gormezano, Mark Weckel, Christopher Nagy, Jason Munshi-South, Bridgett vonHoldt, Kristin Brzeski, Elizabeth Heppenheimer, Catherine Caro, Glauco Camenisch, Peter Wandeler, Carlos Driscoll
V-74: Range and ecological analysis reveals three ecologically distinct species of the tiger cats complex Tadeu de Oliveira, Lester Fox-Rosales, Juan Camilo Cepeda-Duque, Rebecca Zug, José Daniel Ramírez-Fernández, Catalina Sanchez-Lalinde, Marcelo Oliveira, Paulo Marinho, Alejandra Bonilla, Felipe Peters, Ana Carolina da Cunha Ribeiro Ribeiro, Fábio Mazim, Eduardo Eizirik, Marina Favarini, Lyse Meira, Alex Pereira, Guilherme Ferreira, Karla Leal, FLAVIO HENRIQUE RODRIGUES
V-75: Anticipation of future food availability as the element of rodent reproductive strategy in pulsating communities Victoria Vekhnik, Vladimir Vekhnik
V-76: Lowland tapir latrines as an alternative food resource for the terrestrial community in tropical forests Lais Lautenschlager Rodrigues, Yuri Souza, Nacho Villar, Mauro Galetti, Kenneth Feeley
V-77: Calomyscus Clade 1: Hidden diversity in the brush-tailed mice of Afghanistan, Pakistan, and southern Iran Ryan Norris, Elham Rezazadeh, Brooke Rawson, Bill Kilpatrick, Amanda Weller, Safie Akbarirad, Charles A. Woods, Andreas Chavez
V-78: Characterizing nesting and foraging behaviors of Sciurus carolinensis and Tamiasciurus hudsonicus in an urban environment Maia Lieske, Joseph Whittaker, Glory Godwin Lekashu
V-79: Predatory behavior of Didelphis aurita on great kiskadee (<i>Pitangus sulphuratus</i>) and water rat (<i>Nectomys squamipes</i>) Guilherme Silva, Luciano Gomes Fischer, Carlos de-Oliveira-Nogueira, Wendel Constantino, Amanda Braga, Caryne Braga
V-80: Opossums, snails, and two diverging worms Roberto Vilela, Jucicleide Ramos-de-Souza, Karina Arpon, Renata Gonçalves, Nathália da Silva, Sócrates da Costa Neto, Arnaldo Maldonado Júnior
V-81: Hungry like a dire wolf: predator-prey dynamics and changing climate, Cutler Hammock site, Florida, USA Cheyenne Munson, Loren Babcock, John Hunter
V-82: Effects of cougar olfactory markings on the behavior of medium and large mammals in Morelos Magally Flores Pérez, Edgard David Mason Romo, David Valenzuela
V-83: Animal-borne accelerometry to quantify behavior and activity cycles of a nocturnal, small-bodied kangaroo rat Ryan Hanscom, Jessica Hill, Charlotte Patterson, Tyler Marbach, Jeet Sukumaran, Timothy Higham, Rulon Clark

Presenting Author in Bold

V-84: Calomyscus Clade 2: Characterizing diversity in the brush-tailed mice of Iran, Azerbaijan, and Turkmenistan Elham Rezazadeh , Ryan Norris, Faraham Ahmadzadeh, Bill Kilpatrick, Mansour Aliabadian	
V-85: Beluga whale aggregation disruption due to climate change Marga Rivas , Emilio Guirado, Zaida Ortega	
V-86: Species identity and evolutionary relationships of Microtus voles in mountainous regions of Pakistan Fatima Mohammed , Kedar Roderick, Bill Kilpatrick, Charles A. Woods, Ryan Norris	
V-87: Comparing bat activity and insect biomass at McConnell Air Force Base versus surrounding Wichita parks Michaela Sielaff , Lorelei Patrick	
V-88: Brains vs Brawn: Relative brain size investment is sexually dimorphic amongst weapon bearing ruminants. Nicole Lopez	
V-89: Why did the giraffe cross the road? Mammal response to tourists in Kruger National Park. Brian O'Neill , Andrea Romero	
V-90: Occupancy and co-occurrence patterns of sympatric skunks in a tropical deciduous forest in southeastern Mexico Alejandro Hernández Sánchez , Antonio Santos-Moreno	
V-91: ECOLOGICAL SURVEY OF SMALL MAMMAL SPECIES COMPOSITION AND ABUNDANCE IN SOME SELECTED VEGETATIONS IN IBADAN, SOUTH WESTERN NIGERIA Badmus Hafiz Ayinde	
9:30 AM	Break – Various Locations
10:00 AM	ASM Committee Meeting (Conservation, Part 1) – Tubughnenq 3
10:00 AM	ASM Committee Meeting (Resolutions, Part 1) – Tubughnenq 5
10:00 AM	Symposia 1, 2, 3 – Idlughet 3; Tikahtnu A, B
10:00 AM	Technical Session 1, 2, 3 – Tikahtnu C, D, E/F

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SATURDAY, JULY 15TH, SYMPOSIUM 1
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-

-Please note all times are listed in local Alaska time-

10:00 AM	Symposium 1 -- The death and life of island mammals: extinction, change and resilience from past to future – Ildughet 3
	002: Saving island mammal biodiversity: looking to the future Ros Kennerley , Abi Gazzard
	003: Ancient DNA and archaeology as tools for exploring the origins and evolution of island mammals Courtney Hofman
	004: Holocene-modern mammal extinctions in Hainan, China: protracted biodiversity loss in a continental-shelf island fauna Samuel Turvey , Heidi Ma
	005: Dietary reconstruction of the sea mink (<i>Neogale macrodon</i>) reveals shifting baselines in coastal Maine Olivia Olson , Arthur Spiess, Bonnie Newsom, Donald Soctomah, Courtney Hofman, Alexis Mychajliw
	006: Surviving cancer: tumour-host evolutionary processes are saving the Tasmanian devil from extinction Rodrigo Hamede , Nick Fountain-Jones, Fernando Arce, Menna Jones, Andrew Storfer, Paul Hohenlohe, Hamish McCallum, Benjamin Roche, Beata Ujvari, Frederic Thomas
	007: Historical DNA contextualizes conservation opportunities for a range restricted insular rodent, the Bahamian hutia Alexis Mychajliw , Michelle LeFebvre, Beau Harris, Jessica Oswald, Bahamas Restoring Ecosystems Lost in Conservation (RELIC)
	008: New fossils shed light on primate diversity in the Caribbean Siobhan Cooke , Lauren B. Halenar-Price, Zachary S. Klukkert, Juan N. Almonte Milán, Lazaro Willian Viñola-López, Phillip Lehman
	009: Macroevolutionary impact of recent and imminent mammal extinctions on Madagascar Nathan Michielsen , Steven Goodman, Voahangy Soarimalala, Alexandra van der Geer, Liliana Davalos , Grace Saville, Nathan Upham, Luis Valente
11:00 AM	ASM Committee Meeting (Grants-In-Aid) -- Tubughnenq 4
12:00 PM	ASM Committee Meeting (Honoraria & Travel Awards) -- Tubughnenq 3
12:00 PM	ASM Committee Meeting (Informatics) -- Tubughnenq 4
12:00 PM	Lunch -- On Your Own
12:00 PM	IFM Board Meeting (HALF DAY) – K'eneakatnu Boardroom
1:00 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 1 (1 HOUR) – Tubughnenq 5
1:00 PM	ASM Committee Meeting (Mammal Images Library) -- Tubughnenq 4
1:00 PM	ASM Committee Meeting (Publications Advisory Board, Part 1) -- Tubughnenq 3
2:00 PM	Symposia 2, 4 – Tikahtnu A; Ildughet 3
2:00 PM	Technical Session 4, 5, 6, 7, 8 -- Tikahtnu B, C, D, E/F; Kahtnu 2

Presenting Author in Bold

SATURDAY, JULY 15TH, SYMPOSIUM 2
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Symposium 2 -- The Small Carnivore Symposium, Part 1 – Tikahtnu A
Introduction Geraldine Veron	
010: Dietary specialization shaped the evolution of taste receptor genes in the caniform Carnivora Jun Sato , Mieczyslaw Wolsan	
011: Behavioural and genetic monogamy in African golden jackals (<i>Canis aureus</i>) Patricia Moehlman , Nicky Jenner	
012: Prey partitioning in a diverse predator community: implications for reintroduced fishers in Washington Kayla Shively, Jason Ransom, Ellie Reese, Jeff Lewis, Tara Chestnut, Dave Wernitz, Laura Prugh	
013: Reciprocated competition between two forest carnivores drives dietary specialization Matthew Smith , John Erb, Jonathan Pauli	
014: Spatial drivers of trap site selection and the extent of harvest refugia for mesocarnivores Paul Jensen	
Panel Discussion, Part 1 Geraldine Veron	
11:00 AM	ASM Committee Meeting (Grants-In-Aid) -- Tubughnenq 4
12:00 PM	ASM Committee Meeting (Honoraria & Travel Awards) -- Tubughnenq 3
12:00 PM	ASM Committee Meeting (Informatics) -- Tubughnenq 4
12:00 PM	Lunch -- On Your Own
12:00 PM	IFM Board Meeting (HALF DAY) – K'eneakatnu Boardroom
1:00 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 1 (1 HOUR) – Tubughnenq 5
1:00 PM	ASM Committee Meeting (Mammal Images Library) -- Tubughnenq 4
1:00 PM	ASM Committee Meeting (Publications Advisory Board, Part 1) -- Tubughnenq 3
2:00 PM	Symposia 2, 4 – Tikahtnu A; Idlughet 3
2:00 PM	Technical Session 4, 5, 6, 7, 8 -- Tikahtnu B, C, D, E/F; Kahtnu 2

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SATURDAY, JULY 15TH, SYMPOSIUM 3
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Symposium 3 -- Physiological trade-offs in female mammalian reproduction – Tikahtnu B
015: Physiological trade-offs in female mammalian reproduction: An Introduction to the Symposium Chloe Josefson, Teri Orr	
016: Sex differences in life history traits in North American red squirrels Ben Dantzer, Lauren Petrullo, David Delaney, Andrew McAdam, Jeffrey Lane, Stan Boutin	
017: Comparison of physiological and reproductive performance of white-footed mice in laboratory, semi-natural, and wild environments KayLene Yamada, Kang Nian Yap, Natalie Harris, Vimala Kaza, Hippokratis Kiaris, Andreas Kavazis, Wendy Hood	
018: Inclusion of females as research subjects: progress and the path ahead Annaliese Beery	
019: Playing the waiting game: trade-offs of reproductive delays in mammals Teri Orr, Chloe Josefson, Theodore, Jr. Garland	
020: Reproductive-immune trade-offs in mammalian reproduction from a female-centered perspective Chloe Josefson, Lauren MacDonald, Bethaney Fehrenkamp, Teri Orr	
021: The physiological underpinnings of life-history variation in the house mouse (<i>Mus musculus</i>) Wendy Hood, Ashley Williams	
022: Conclusion: the future of studying trade-offs in reproducing mammals Teri Orr, Chloe Josefson	
11:00 AM	ASM Committee Meeting (Grants-In-Aid) -- Tubughnenq 4
12:00 PM	ASM Committee Meeting (Honoraria & Travel Awards) -- Tubughnenq 3
12:00 PM	ASM Committee Meeting (Informatics) -- Tubughnenq 4
12:00 PM	Lunch -- On Your Own
12:00 PM	IFM Board Meeting (HALF DAY) – K'eneakatnu Boardroom
1:00 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 1 (1 HOUR) – Tubughnenq 5
1:00 PM	ASM Committee Meeting (Mammal Images Library) -- Tubughnenq 4
1:00 PM	ASM Committee Meeting (Publications Advisory Board, Part 1) -- Tubughnenq 3
2:00 PM	Symposia 2, 4 – Tikahtnu A; Idlughet 3
2:00 PM	Technical Session 4, 5, 6, 7, 8 -- Tikahtnu B, C, D, E/F; Kahtnu 2

Presenting Author in Bold

SATURDAY, JULY 15TH, TECHNICAL SESSION 1
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Technical Session 1 (Conservation) – Tikahtnu C
023:	Unravelling large mammal behavioural adaptations to disturbances in human-dominated landscapes of North China Mingzhang Liu , Sheng Li, Xiaoli Shen, William McShea
024:	Fantastic pygmy rabbits and where to find them: long-distance exploratory behavior and barriers to movement Miranda Crowell (she/her) , Kevin Shoemaker, Marjorie Matocq
025:	Decade long population dynamics of bats from El Salitre Cave, Morelos, Mexico Edgard Mason-Romo , Kinari Romo-Hernández, Ana Patricia Galicia-Salas
026:	Gorongosa elephants population: recovery and challenges Dominique Gonçalves
027:	Is there a future for inland populations of koalas? Mathew Crowther , Valentina Mella, Dan Lunney, Mark Krockenberger, Ben Moore, Clare McArthur
028:	Investigating management solutions to assist post-fire wildlife recovery Angela Rana , Catherine Grueber, Peter Banks, Viyanna Leo, Alexandra Carthey, Thomas Newsome
029:	Bringing people together for carnivore conservation through a multistakeholder nationwide census in Uganda Luke Gibson , Alexander Brackowski, Tutilo Mudumba, Aggrey Rwetsiba, Nic Elliot, Arjun Gopalswamy
030:	The Mississippi bats and bridges initiative Alison McCartney
11:00 AM	ASM Committee Meeting (Grants-In-Aid) -- Tubughnenq 4
12:00 PM	ASM Committee Meeting (Honoraria & Travel Awards) -- Tubughnenq 3
12:00 PM	ASM Committee Meeting (Informatics) -- Tubughnenq 4
12:00 PM	Lunch -- On Your Own
12:00 PM	IFM Board Meeting (HALF DAY) – K'eneakatnu Boardroom
1:00 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 1 (1 HOUR) – Tubughnenq 5
1:00 PM	ASM Committee Meeting (Mammal Images Library) -- Tubughnenq 4
1:00 PM	ASM Committee Meeting (Publications Advisory Board, Part 1) -- Tubughnenq 3
2:00 PM	Symposia 2, 4 – Tikahtnu A; Idlughet 3
2:00 PM	Technical Session 4, 5, 6, 7, 8 -- Tikahtnu B, C, D, E/F; Kahtnu 2

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SATURDAY, JULY 15TH, TECHNICAL SESSION 2
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Technical Session 2 (Natural History) – Tikahtnu D
031: Leveraging the digital revolution to improve specimen data acquisition in the field Heru Handika , Glaucia Del-Rio, Andre E. Moncrieff, Roberta Canton, Giovanni Hernández-Canchola, Spenser Biernacki, Austin Chipps, Anang Achmadi, Gregory Thom, Jake Esselstyn	
032: Sea otter recovery unexpectedly transforms terrestrial predator-prey dynamics by providing keystone prey to wolves Gretchen Roffler , Charlotte Eriksson, Jennifer Allen, Taal Levi	
033: Merging citizen science and natural history collections for large-scale mobilization of trait data Katrina Derieg , Morgan Cofrin, Schuyler Liphardt, Alyson Wilkins	
034: Passive acoustic monitoring of Cook Inlet beluga whales and anthropogenic noise in the Kenai River Sonia Kumar , Manuel Castellote, Verena Gill, Curry Cunningham, Lara Horstmann	
035: <i>Nasua nasua</i> foraging activities at an Atlantic Forest site of southeast Brazil Marcos Polettini, Eleonore Setz	
036: Reconstructing neotropical food webs with fecal DNA metabarcoding in the Maya Biosphere Reserve of Guatemala Ellen Dymit , Rony Garcia-Anleu, Taal Levi	
037: Not just a puma: respecting the cultural and scientific legacy of P-22 Miguel Ordeñana , Kayce Bell, Samantha Johnson	
038: Acoustic Bat Inventory of the Dominican Republic Rosa Palmer , Murray Kevin, Paul Rabie, Caleb Gordon, Miguel Nuñez	
11:00 AM	ASM Committee Meeting (Grants-In-Aid) -- Tubughnenq 4
12:00 PM	ASM Committee Meeting (Honoraria & Travel Awards) -- Tubughnenq 3
12:00 PM	ASM Committee Meeting (Informatics) -- Tubughnenq 4
12:00 PM	Lunch -- On Your Own
12:00 PM	IFM Board Meeting (HALF DAY) – K'eneakatnu Boardroom
1:00 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 1 (1 HOUR) – Tubughnenq 5
1:00 PM	ASM Committee Meeting (Mammal Images Library) -- Tubughnenq 4
1:00 PM	ASM Committee Meeting (Publications Advisory Board, Part 1) -- Tubughnenq 3
2:00 PM	Symposia 2, 4 – Tikahtnu A; Idlughet 3
2:00 PM	Technical Session 4, 5, 6, 7, 8 -- Tikahtnu B, C, D, E/F; Kahtnu 2

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SATURDAY, JULY 15TH, TECHNICAL SESSION 3
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Technical Session 3 (Population Ecology) – Tikahtnu E/F
039: Jaguar population monitoring in the Maya Biosphere Reserve, Guatemala Rony Garcia-Anleu , Ellen Dymit, Daniel Thornton, Taal Levi	
040: Using ecological indicators to monitor polar bear population status when sea ice loss limits data Karyn Rode , Ryan Wilson, Justin Crawford, Lori Quakenbush, Eric Regehr, Jeffrey Bromaghin, Michelle St Martin	
041: The repatriation of wolves to Isle Royale alters the foraging of mesocarnivores Burcu Lacin Alas , Mauriel Rodriguez Curras, Matthew Smith, Lynette R. Potvin, Mark Romanski, Jonathan Pauli	
042: Rodent population outbreaks in sub-Saharan Africa under the influence of climate change Rhodes Makundi , Apia Massawe	
043: Accurately estimating wildlife abundance in remote areas: case studies for snow leopard and kiang Xinhai Li , Renqiang Li, Duifang Ma, Erhu Gao	
044: Factors influencing parturition timing and synchrony in mule deer: implications for neonate survival Tabitha Hughes , Kent Hersey, Randy Larsen, Matthew Turnley, Morgan Hinton, Brock McMillan	
045: Longevity and senescence: A consequential but overlooked life history trait in right whales Greg Breed , Els Vermeulen, Peter Corkeron	
046: Sex and age mediate the effects of rapid environmental change for a forest carnivore Corbin Kuntze , M. Zachariah Peery, Rebecca Green, Kathryn Purcell, Jonathan Pauli	
11:00 AM	ASM Committee Meeting (Grants-In-Aid) -- Tubughnenq 4
12:00 PM	ASM Committee Meeting (Honoraria & Travel Awards) -- Tubughnenq 3
12:00 PM	ASM Committee Meeting (Informatics) -- Tubughnenq 4
12:00 PM	Lunch -- On Your Own
12:00 PM	IFM Board Meeting (HALF DAY) – K'eneakatnu Boardroom
1:00 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 1 (1 HOUR) – Tubughnenq 5
1:00 PM	ASM Committee Meeting (Mammal Images Library) -- Tubughnenq 4
1:00 PM	ASM Committee Meeting (Publications Advisory Board, Part 1) -- Tubughnenq 3
2:00 PM	Symposia 2, 4 – Tikahtnu A; Idlughet 3
2:00 PM	Technical Session 4, 5, 6, 7, 8 -- Tikahtnu B, C, D, E/F; Kahtnu 2

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SATURDAY, JULY 15TH, SYMPOSIUM 2
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:00 PM	Symposium 2 -- The Small Carnivore Symposium, Part 2 – Tikahtnu A
047:	Does cognition facilitate the adaptation of wildlife to urban environments? A case study of raccoons Sarah Benson-Amram
048:	The multiple dimensions of vocal communication in coordinating collective activities in meerkats Marta Manser , Vlad Demartsev, Isabel Driscoll, Nikola Falk, Ariana Strandburg-Peshkin
049:	The fast and the furriest: cognition in a small-brained carnivore Aliza le Roux , Matthew Petelle
050:	Winner winner chicken dinner: testing the effectiveness of different lures for detecting a marsupial mesopredator Nicole Lynch , Peter Banks, Paul Meek, Clare McArthur
051:	Conservation status of the North American river otter in the United States and Canada Tom Serfass , Zoe Hanley
	Panel Discussion, Part 2 Geraldine Veron , Aliza le Roux
3:30 PM	ASM Committee Meeting (Human Diversity, Part 1) -- Tubughnenq 4
3:30 PM	Break – Various Locations
4:00 PM	Symposium 4 – Idlughet 3
4:00 PM	Technical Sessions 9, 10, 11, 12, 13 – Tikahtnu B, C, D, E/F; Kahtnu 2
4:00 PM	Workshop 3 -- Tailoring animal use protocols to wild mammals: challenges and opportunities for researchers using wild mammals – Tikahtnu A

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SATURDAY, JULY 15TH, SYMPOSIUM 4
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:00 PM	Symposium 4 -- A modern outlook on the management of invasive mammals: inclusive, informed, impactful, Part 1
	052: Managing biological invasions: What's worked, what hasn't, and some controversial new prospects Daniel Simberloff
	053: Invasive species management: what's genome editing got to do with it? Antoinette Piaggio
	054: Biocultural considerations for the management of invasive mammals introduced by Polynesian settlers Kupono Aguirre , Kailey Alcosiba, Carmen C. Antaky, Robert T. Sugihara, Rebecca Ostertag, Steven C. Hess
	055: Do Oryx fit in? Untangling dietary dynamics of a novel ungulate community in New Mexico Carson Hedberg , Tyler Kartzinell, Felisa Smith
	056: Wildlife Services role in invasive species eradication efforts throughout the Alaska Maritime National Wildlife Refuge Terry Smith
3:30 PM	ASM Committee Meeting (Human Diversity, Part 1) -- Tubughnenq 4
3:30 PM	Break – Various Locations
4:00 PM	Symposium 4 – Idlughet 3
4:00 PM	Technical Sessions 9, 10, 11, 12, 13 – Tikahtnu B, C, D, E/F; Kahtnu 2
4:00 PM	Workshop 3 -- Tailoring animal use protocols to wild mammals: challenges and opportunities for researchers using wild mammals – Tikahtnu A

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SATURDAY, JULY 15TH, TECHNICAL SESSION 4
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:00 PM	Technical Session 4 (Behavior) – Tikahtnu B
	057: Investigating the neurobiology of canid pair-bonding: oxytocin and vasopressin 1a receptors in the coyote brain Sara Freeman
	058: Leveraging fine-scale movement models to quantify mesocarnivore fawn-seeking behavior and specialization Nicole Gorman , Michael Egan, Michael Eichholz, Daniel Skinner, Peter Schlichting, Guillaume Bastille-Rousseau
	059: Variation of echolocation call source levels and detection distances for bat assemblages across biomes David Wechuli , Marc Holderied, David Jacobs
	060: Natal habitat preference of white-tailed deer during extra-home range movements Nathan Hooven, Matthew Springer, Clay Nielsen, Eric Schaubert
	061: Pilfering personalities: Effects of small mammal personality on cache pilferage Brigit Humphreys , Alessio Mortelliti
	062: Can Australia's mammalian dominated scavenger guild keep our ecosystems free of carcasses? Thomas Newsome
3:30 PM	ASM Committee Meeting (Human Diversity, Part 1) -- Tubughnenq 4
3:30 PM	Break – Various Locations
4:00 PM	Symposium 4 – Idlughet 3
4:00 PM	Technical Sessions 9, 10, 11, 12, 13 – Tikahtnu B, C, D, E/F; Kahtnu 2
4:00 PM	Workshop 3 -- Tailoring animal use protocols to wild mammals: challenges and opportunities for researchers using wild mammals – Tikahtnu A

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SATURDAY, JULY 15TH, TECHNICAL SESSION 5
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-

-Please note all times are listed in local Alaska time-

2:00 PM	Technical Session 5 (Biogeography) – Tikahtnu C
063: Environmental and geographic considerations for comprehensive sampling: an example with Panamanian rodents and their pathogens	Marlon E. Cobos , Jonathan Dunnum, Blas Armien, Publio Gonzalez, Enós Juárez, Jacqueline Salazar, Joseph Cook, Jocelyn Colella
064: Status, patterns and influencing factors of large terrestrial mammal diversity in China	Xiaoli Shen , Shuyi Zhu, Sheng Li, Mingzhang Liu
065: Discerning drivers of distribution in <i>Neotoma lepida</i> and <i>Neotoma cinerea</i> in the Great Basin	Alexandra Coconis , Kenneth Nussear, Kevin Shoemaker, Bryan Hamilton, Marjorie Matocq
066: Where are my bats? Long-distance movements of a migratory nectar-feeding species using passive integrated transponders	Theresa Laverty , Deborah Buecher, Tina Cheng, Mallory Davies, Fernando Gual-Suárez, Rodrigo Medellín, Samara Pérez-Harp, Kathryn Stoner, Sandy Wolf, Veronica Zamora-Gutierrez, Alan Zavala-Norzagaray, Winifred Frick
067: Predicting habitat suitability and connectivity for Sonoran pronghorn in the Pinacate Biosphere Reserve, Sonora, Mexico.	Miguel Grageda , Michael Bogan, Javan Bauder
068: Reconstructing geographic transitions and triggers of diversification in South American sigmodontine rodents using phylogenomics	Max Bangs, Alexandre Percequillo, Victor Pacheco, Scott Steppan
3:30 PM	ASM Committee Meeting (Human Diversity, Part 1) -- Tubughnenq 4
3:30 PM	Break – Various Locations
4:00 PM	Symposium 4 – Idlughet 3
4:00 PM	Technical Sessions 9, 10, 11, 12, 13 – Tikahtnu B, C, D, E/F; Kahtnu 2
4:00 PM	Workshop 3 -- Tailoring animal use protocols to wild mammals: challenges and opportunities for researchers using wild mammals – Tikahtnu A

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SATURDAY, JULY 15TH, TECHNICAL SESSION 6
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:00 PM	Technical Session 6 (Conservation) – Tikahtnu D
	069: Human presence in a conservation landscape has wide-spread effects on a diverse, African mammal community Michael Drake
	070: Home range of free-ranging dogs and invasion of protected area Rita Bianchi , Barbara Fujioka, Alline Salomao, Franciele Candido, Georg Heine, Igor Macchioli, Maisa Santos, Martin Wikelski, Rodolpho Silva, Roland Kays
	071: Assessing landscape connectivity for large terrestrial mammals in an urbanized prairie landscape Ninon Meyer , Hossam E. Abdel Moniem, Majid Iravani, Tracy Lee, Nicole Kahal, Mathieu Pruvot, Helene Wagner
	072: The C&O Canal National Historical Park: an important corridor for carnivore movement in Maryland? Erin Geibel , Tom Serfass, Maggie Triska, Andrew Landsman, Manuel Spínola, Thomas Lambert
	073: Spatial ecology of a translocated, imperiled small mammal T.J. McGreevy , Wales Carter, Andrea Petrullo, Brian Gerber
	074: The mammals of Goblin Valley State Park, Utah: integrating museums and management Al Ruedas , Katrina Derieg, Eric Rickart
3:30 PM	ASM Committee Meeting (Human Diversity, Part 1) -- Tubughnenq 4
3:30 PM	Break – Various Locations
4:00 PM	Symposium 4 – Idlughet 3
4:00 PM	Technical Sessions 9, 10, 11, 12, 13 – Tikahtnu B, C, D, E/F; Kahtnu 2
4:00 PM	Workshop 3 -- Tailoring animal use protocols to wild mammals: challenges and opportunities for researchers using wild mammals – Tikahtnu A

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SATURDAY, JULY 15TH, TECHNICAL SESSION 7
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:00 PM	Technical Session 7 (Disease Ecology) – Tikahtnu E/F
	075: <i>Orthohantavirus</i> research: Cytochrome-b sequences and morphology critical to <i>Peromyscus</i> species host identification. Robert Nofchissey , Samuel Goodfellow, Jaecy Banter-McConnell, Ivana Mali, Thanchira Suriyamongkol, Jonathan Dunnum, Joseph Cook, Steven Bradfute
	076: Pharmacokinetics of moxidectin in bare-nosed wombats Hayley Stannard , Greg Doran, Marie Wynan, Amanda Cox, Howard Ralph
	077: Fungal Flexibility: Host specificity of <i>Pneumocystis</i> parasites in Neotomine rodents Spenser Biernacki , Jake Esselstyn, Vinson Doyle
	078: RHDV2 emergence in New Mexican lagomorphs: population impacts and serologic outcomes Anna Kirby, Charles Britt, James Cain, Gary Roemer, Robert Schooley, Matthew Gompper
	079: Tricolored bat winter activity at subterranean and above-ground hibernacula in the southeastern U.S. Susan Loeb , Eric Winters, Rebecca Brown, Makayla Ferrari, Lisa Smith, Thomas McElroy, Andrew Edelman, Christopher Cornelison, Jessica King
	080: Indiana bats in Indiana move to southern hibernacula: Influences of climate and disease Darwin Brack , Justin Boyles, Virgil Brack
3:30 PM	ASM Committee Meeting (Human Diversity, Part 1) -- Tubughnenq 4
3:30 PM	Break – Various Locations
4:00 PM	Symposium 4 – Idlughet 3
4:00 PM	Technical Sessions 9, 10, 11, 12, 13 – Tikahtnu B, C, D, E/F; Kahtnu 2
4:00 PM	Workshop 3 -- Tailoring animal use protocols to wild mammals: challenges and opportunities for researchers using wild mammals – Tikahtnu A

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SATURDAY, JULY 15TH, TECHNICAL SESSION 8
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:00 PM	Technical Session 8 (Wildlife Management) – Kahtnu 2
081: Mini Safe Havens in coexistence conservation	Kiarrah Smith , Maldwyn Evans, Iain Gordon, Jennifer Pierson, Simon Stratford, Adrian Manning
082: Tracking ghosts: Approaches to GPS tracking the ghost bat in Australia	Laura Ruykys , John Augusteyn, Chris Knuckey, Nicola Hanrahan
083: Downed wood removal effects on survival and site fidelity of woodrats in California oak woodland	Timothy Smyser , Michael Hardy, William Tietje
084: Estimation of historical demography of sika deer in Japanese archipelago	Hayato Iijima , Junco Nagata, Ayako Izuno, Kentaro Uchiyama, Nobuhiro Akashi, Daisuke Fujiki, Takeo Kuriyama
085: Translocation to safe havens averts extinction of the worlds rarest marsupial, Gilberts potoroo.	James Friend , Timothy Button, Stephanie Hill, Alan Danks, Sarah Comer
086: The influence of the bear presence near local communities in Romania	Ramon Jurj , Constantina JURJ, Ancuta Fedorca, Georgeta Ionescu, Mihai Fedorca, Alexandru GRIDAN
3:30 PM	ASM Committee Meeting (Human Diversity, Part 1) -- Tubughnenq 4
3:30 PM	Break – Various Locations
4:00 PM	Symposium 4 – Idlughet 3
4:00 PM	Technical Sessions 9, 10, 11, 12, 13 – Tikahtnu B, C, D, E/F; Kahtnu 2
4:00 PM	Workshop 3 -- Tailoring animal use protocols to wild mammals: challenges and opportunities for researchers using wild mammals – Tikahtnu A

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SATURDAY, JULY 15TH, SYMPOSIUM 4
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:00 PM	Symposium 4 -- A modern outlook on the management of invasive mammals: inclusive, informed, impactful, Part 2 – Idlughet 3
	087: Fertility control for management of an invasive mammal: History, science, and public perceptions Jason Bruemmer
	088: Population management of the largest invasive species in the world, the hippopotamus (<i>Hippopotamus amphibius</i>) Colombia Yina Serna Trujillo, Maria Galenao
	089: Wolves, dogs, and human dimensions in a UNESCO biosphere reserve, Mongolia Jeff Dolphin, Maria Vittoria Mazzamuto, Gantulga Gankhuyag, Delgerchimeg Dawaasuren, John Koprowski
	090: Community engagement for the conservation of the Mexican islands Mariam Latofski Robles, Federico Méndez Sánchez, Yuliana Bedolla Guzmán, Flor Torres García, Cynthia Jauregui García, Karina Salizzoni Chavez, Gabriela Fernandez Ham, Lucero Oregel Vazquez, María Felix Lizarraga, Alejandra Fabila Blanco, Alicia Aztorga Ornelas, Marimar Garciadiego San Juan
	091: Lessons from Hawai'i: Understanding corelationships between Indigenous cultures and non-native species for more effective conservation Kawika Winter, Melissa R. Price, Kūpa'a Luat-Hū'eu
	092: Human dimensions of invasive mammal control in Sonsorol State, Palau Amy Levine
5:30 PM	ASM Committee Meeting (International Relations) – Tubughnenq 3
5:30 PM	Dinner -- On Your Own
7:30 PM	Poster Session I – Idlughet 1 & 2

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SATURDAY, JULY 15TH, TECHNICAL SESSION 9
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:00 PM	Technical Session 9 (Behavior) – Tikahtnu B
	117: Estimating insect harassment of Mongolian gazelles using accelerometers to understand ungulate migration and habitat selection Takehiko Ito , Ako Nagasaki, Riku Tada, Dale Kikuchi, Munkhbat Uuganbayar, Buyanaa Chimeddorj
	118: Regional differences in coyote diet in an agricultural landscape determined by stable isotope analysis Abigail Thiemkey , Courtney Anderson, Charlotte Milling, Stanley Gehrt
	119: Causes and consequences of variation in foraging tactics of Alaskan brown bears Aaron Wirsing , Thomas Quinn, Natalee Bozzi
	120: Looking at the bid picture: evidence of a reverse auction in mating systems Katie Fowler , Emily Potratz, Margaret Malone, Abdel Halloway, Joy Peplinski, Joel Brown
	121: Anti-predator responses of an Australian native rat towards cat odour in a semi-natural captive environment Miguel Bedoya-Perez , Elizabeth Harper, Mathew Crowther, Iain McGregor
	122: Diving behavior of mother-pup pairs in Weddell seal during nursing period in the Ross Sea Younggeun Oh , Youmin Kim, Jeong-Hoon Kim, Jong-U Kim
5:30 PM	ASM Committee Meeting (International Relations) – Tubughnenq 3
5:30 PM	Dinner -- On Your Own
7:30 PM	Poster Session I – Idlughet 1 & 2

Presenting Author in Bold



**SATURDAY, JULY 15TH, TECHNICAL SESSION 10
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-**

-Please note all times are listed in local Alaska time-

4:00 PM	Technical Session 10 (Community Ecology) – Tikahtnu C
093: Disruption of an ant-plant mutualism shapes spatial patterns of lion predation	
Jacob Goheen, Douglas Kamaru , Todd Palmer, Benard Gituku, Samuel Mutisya, Adam Ford, Corinna Riginos	
094: Who's eating the sika deer carcass: vertebrate scavenging in a Japanese forest ecosystem	
Akino Inagaki , Maximilian Allen, Tetsuya Maruyama, Shinsuke Koike	
095: Community (dis)assembly reveals a dynamic interplay of suppression and facilitation among sympatric carnivores	
Mauriel Rodriguez Curras , Philip Manlick, Jonathan Pauli	
096: Defining the danger zone: Critical snow support thresholds for predator-prey interactions	
Benjamin Sullender , Calum Cunningham, Jessica Lundquist, Laura Prugh	
097: Effects of Herbivore-Induced Vegetation Change on Interactions Between Rodents and Songbirds in Shortgrass Steppe	
Katherine Biardi , Paul Stapp	
098: Small mammal abundance and distribution in New York, insights from a statewide multi-species survey	
Camilo Calderón Acevedo , Joshua Twining, Amanda Cheeseman, Melanie Berger, Matthew Schlesinger, Jacqueline Frair	
5:30 PM	ASM Committee Meeting (International Relations) – Tubughnenq 3
5:30 PM	Dinner -- On Your Own
7:30 PM	Poster Session I – Idlughet 1 & 2

Presenting Author in Bold

SATURDAY, JULY 15TH, TECHNICAL SESSION 11
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:00 PM	Technical Session 11 (Evolutionary Biology) – Tikahtnu D
099: Developmental instability and morphological evolution in <i>Carollia perspicillata</i> (Linnaeus, 1758) (Chiroptera: Phyllostomidae) Lucas Carneiro , Bruce Patterson, Leandro Monteiro	
100: Population genomics of the highest-dwelling mammal in the world, <i>Phyllotis vaccarum</i> Schuyler Liphardt , Jay Storz, Guillermo D'Elia, Marcial Quiroga-Carmona, Naim Bautista, Juan Opazo, Zachary Cheviron, Nathanael Herrera, Timothy J. Thurman, Timothy Wheeler, Jeffrey M. Good	
101: Historical and ancient DNA confirms distinct histories of coyotes versus red and eastern wolves Benjamin Sacks , Cate Brown Quinn, Kristin Brzeski, Stevi Vanderzwan, Hope Loiselle, Alberto Carmagnini, Sabrina Taylor, Burton Lim, Logan Kistler, Bridgett vonHoldt, Robert K Wayne, Laurent Frantz	
102: Do female eastern chipmunks control mate choice? Juliette Frappier-Lecomte , Patrick Bergeron, Denis Réale, Dany Garant	
103: Pathogen novelty vs. endemism: Disentangling genomic relationships between deer mouse and Sin Nombre hantavirus Tommy Herrera , Sharon Messenger, Michael Nachman	
104: Causes and consequences of hybridization between representatives of the genus <i>Canis</i> Małgorzata Pilot , Roya Adavoudi, Wiesław Bogdanowicz, Karolina Doan, Alejandro Flores-Manzanero, Francelly Martinez Sosa, Andre Moura, Milomir Stefanovic	
5:30 PM	ASM Committee Meeting (International Relations) – Tubughnenq 3
5:30 PM	Dinner -- On Your Own
7:30 PM	Poster Session I – Idlughet 1 & 2

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SATURDAY, JULY 15TH, TECHNICAL SESSION 12
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:00 PM	Technical Session 12 (Phylogeography) – Tikahtnu E/F
105: Patterns of red-backed vole hybridization across three contact zones and four decades of sampling Ben Wiens , Jocelyn Colella	
106: Genomic data highlight the complexity of species delimitation within the <i>Sorex cinereus</i> complex Andrew Hope , Ben Wiens, John Demboski, Joseph Cook	
107: Species delimitation in the <i>Peromyscus maniculatus</i> species group using natural history collections and genomic Natalie Hamilton , Sharon Jansa, Jessica Light	
108: Sea level rise and the evolutionary history of an endangered coastal wetland specialist Cody Aylward	
109: A hotspot inside a hotspot: new bat, marsupial and rodents from northeastern Atlantic Forest, Brazil Ana Carmignotto , Larissa Fernandes, Gabriela Almeida, Pedro Peres, Mayara Beltrao, Pedro Cordeiro-Estrela, Roberta Paresque, Ana Lessinger	
110: Rangewide phylogeographic structure and population genetics of the endangered Irrawaddy dolphin (<i>Orcaella brevirostris</i>) using museomics Michael McGowen , Susana Caballero, Mary Faith Flores, Katherine Murphy, Sam Ayyagari, Isabel Beasley, C. Sarah Cohen, M. Louella L. Dolar, Chalatip Junchompoo, Patcharaporn Kaewmong, Worata Klinsawat, Danielle Krebs, Sui Hyang Kuit, Kelly Robertson, Richard Sabin, Watchara Sakornwimon, Kerri Smith, Zhi Yi Teoh, Budi Trifan, Louisa S. Ponnampalam, Ellen Hines	
5:30 PM	ASM Committee Meeting (International Relations) – Tubughnenq 3
5:30 PM	Dinner -- On Your Own
7:30 PM	Poster Session I – Idlughet 1 & 2

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SATURDAY, JULY 15TH, TECHNICAL SESSION 13
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:00 PM	Technical Session 13 (Population Ecology) – Kahtnu 2
	111: Increased admixture and reproductive interference as a consequence of climate-induced changes in mate availability Marjorie Matocq , Elizabeth Hunter, Peter Murphy, Kevin Shoemaker
	112: Assessing individual- and population-level diet variability in a generalist carnivore, the coyote (<i>Canis latrans</i>) Courtney Anderson , Abigail Thiemkey, Charlotte Milling, Stanley Gehrt
	113: Impacts of food limitation and predation risk on the stress physiology of snowshoe hares Yasmine Majchrzak , Michael Peers, Stan Boutin, Sophia Lavergne, Emily Studd, Allyson Menzies, Charles Krebs, Rudy Boonstra
	114: Prey populations exhibit stable dynamic on a predator free island John Yunker
	115: Back to the cities: conservation planning and citizen science in mitigating human-raccoon dog conflict in China Fang Wang , Qianqian Zhao, Qing Zhao, Yihan Wang
	116: Improving impact management decisions for wild red deer <i>Cervus elaphus</i> in the English Lake District Thomas Logan , Charlotte Hopkins, Steve Sait, Rory Putman, Alastair Ward
5:30 PM	ASM Committee Meeting (International Relations) – Tubughnenq 3
5:30 PM	Dinner -- On Your Own
7:30 PM	Poster Session I – Idlughet 1 & 2

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SATURDAY, JULY 15TH, POSTER SESSION I
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:30 PM	Poster Session I – Idlughet 1 & 2
123: Changes in the elevational distribution of small mammals over time: implications for biodiversity conservation Genet Gebrezgiher , Yonas Meheretu, Abdul Katakweba, Rhodes Makundi	
124: The role of spatial personalities in mammalian community interactions: a proposal Olivia Stevens , Marcella J. Kelly, Brett Jesmer	
125: ZooMu: A working group encouraging contributions of zoo specimens to museum collections Shannen Robson , Gregory Watkins-Colwell	
126: Chitin, primary component of insects' exoskeleton, modifies gut physiology, performance, and microbiota of <i>Peromyscus maniculatus</i> Karen Peralta Martinez , Claire Chaing, Isabella Bosco, Sarah Holleman, Jose Goyco-Blas, Kevin Kohl	
127: The grassland-savanna biome interface of southern Africa as a potential genetic differentiation hotspot in <i>Micaelamys</i>. Amanda Maswanganye , Paulette Bloomer, Chris Chimimba, Nigel Bennett	
128: Sex- and season-related variation in road selection and movement of an apex consumer Seung-Yun BAEK , Aya Shimazaki, Andreas Zedrosser, Koji Yamazaki, Tomoko Naganuma, Shinsuke Koike	
129: Saving an Indian antelope from oblivion: examining social-ecological dimensions to inform blackbuck conservation planning Dhawal Mehta , Darshit Mesariya, Kaid Johar	
130: Participation in a mammal-focused CURE improves students science identities Johanna Varner , Laurie Dizney, Elizabeth Flaherty, Patrice K. Connors, Jenny Duggan, Liesl Erb, Christopher Yahnke, Hayley Lanier	
131: Threshold for detection and behavioral response to urine as an olfactory cue in captive coyotes Caroline Long , Eric Gese, Sara Freeman	
132: The influence of an apex predator introduction on an already established subordinate predator Daniel Parker , Daniel van de Vyver, Charlene Bissett, Travis Perry	
133: Effect of habitat and land use on small mammal communities in southern Africa Ngawo Namukonde , Britta Bösing, Ute Schmiedel	
134: Characterizing the effect of temperature on metabolic enzyme activity in thirteen-lined ground squirrels (<i>Ictidomys tridecemlineatus</i>) Katelyn Adamich , Amber Schlater	

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135: Patterns of stress in an isolated population of American pikas (<i>Ochotona princeps</i>) Karli Weatherill , Holly Nelson, Troy Muzzio, Mallory Lambert, Johanna Varner
136: Gastrointestinal plasticity in three widespread North American small mammals Olivia Chapman , Bryan McLean
137: Changing topics: Presentations at the Annual Meetings of the American Society of Mammalogists 2008-2022 Stephen Mech , Amanda Cheeseman, Elmer J. Finck, Noé de la Sancha, Jenny Duggan, Sean Maher, Lorelei Patrick, Melissa Pardi, Tom Tomasi, John Yunger
138: Rodent metabolism and dietary macromolecule specificity: Using molecular physiology to optimize species management Amber Schlater , Katelyn Adamich
139: Using very-high frequency proximity-tracking collars to quantify monogamous behavior between captive coyote pair-mates Alexandra Turano , Stacey Brummer, Jeffrey Schultz, Julie Young, Sara Freeman
140: Black-footed ferret (<i>Mustela nigripes</i>) ontogenetic series. John Ososky
141: Individual variation in seasonal isotopic niche as an indicator of resilience in a generalist rodent Imogene Welles , Tara Smiley
142: Intra-population phenotypic variability in a social diurnal rodent: an integrative approach. Rodrigo Vasquez , Pablo Sabat, John Wingfield
143: Sexual dimorphism of the laryngeal sacs of Bryde's whales and relationship with their sexual status Shinho Park , Takeharu Bando, Tomoe Kuno, Hiroto Murase, Gen Nakamura
144: The risk of wolf attacks on hunting dogs is biggest near wolves territory boundaries Mari Tikkunen , Ilpo Kojola
145: Assessing the accumulation of heavy metals in Ohio's recovering bobcat (<i>Lynx rufus</i>) population Ashlynn Canode , Marissa Dyck, Viorel Popescu
146: Management for the Eradication of Mongooses on Amami Oshima Island, Japan Takamichi Jogahara , Yuya Watari
147: Bats of Nepal: Laying a foundation for future mammalian phylogeography through the Himalayas Basant Sharma , Andrew Hope
148: Persistence of the small Neotropical cats under climate change scenarios Erika Hingst-Zaher , Jonathan Branco, Fabio Nascimento, Fabio Machado

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149: Geographic pattern of variation of the mice of the subgenus <i>Angelomys</i> (Sigmodontinae: Abrotrichini: <i>Abrothrix</i>) Guillermo D'Elia, Marcial Quiroga-Carmona, Pablo Teta, J. Pablo Jayat, Pamela Sánchez-Vendizú, Jay Storz	
150: Human land-use, not cool microclimate, determines occupancy of northern pikas at range margins Tomoki Sakiyama, Jorge Garcia Molinos	
151: Chinese pangolin <i>Manis pentadactyla</i> is not functionally extinct in mainland China Shibao Wu, Peng Cen, Zhicheng Liu, Fuhua Zhang, AMNA MAHMOOD	
152: Age estimation of Indo-Pacific bottlenose dolphins (<i>Tursiops aduncus</i>) based on DNA methylation from fecal samples Genfu Yagi, Huiyuan Qi, Kana Arai, Yuki Kita, Kazunobu Kogi, Tadamichi Morisaka, Motoi Yoshioka, Miho Inoue-Murayama	
153: Evaluating the influence of scent lures on American black bear (<i>Ursus americanus</i>) detection in Oklahoma Bailey Kleeberg, Sue Fairbanks, Robert Lonsinger	
154: Activity of cats and foxes in the presence or absence of coyotes using SnapShotUSA data. Brier Klossing, Michael Rentz, Robert Klaver	
155: Applying landscape genomics to infer chronic wasting disease transmission corridors in Kentucky and Tennessee Sarah Tomke, Matthew Springer, Noelle Thompson, Tommy Apostolopoulos, John Cox, Steve Price	
156: Seasonal changes in the attachment site preference of ticks on sika deer Kotaro Shimizu, Michito Shimozuru, Ryo Nakao, Masami Yamanaka, Genta Ito, Toshio Tsubota	
157: Searching for the rare: camera surveys for an endangered Iowa rodent, the red-backed vole Tayah Lande, Michael Rentz	
158: Stable isotopes and heavy metals as discriminators among Southeast Alaska gray wolves and sea otters Miranda Brohman, Kayli Burke, Courtney White, Gretchen Roffler, Dimitrios Giarikos, Amy Hiron	
159: "Time series museomics" using the Channel Island deer mouse (<i>Peromyscus maniculatus</i> <i>subsp.</i>) Madeleine Becker, Jesús Maldonado, Cody W. Edwards	
160: Turnover or co-occurrence: 3D tooth traits distinguish Reithrodontomys species in the fossil record Esteban Restrepo, Jonathan Keller, Kate Lyons, Felisa Smith	
9:00 PM	Poster Social I – Idlughet 1 & 2

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SUNDAY, JULY 16TH, PLENARY SESSION IIA & IIB
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (ALL DAY) -- Idlughnet 1 & 2
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Plenary Session IIA (ASM Student Awardees) – Idlughet 3
Welcome & Announcements Enrique Lessa	
161: Shrublands alleviate competitive interactions between imperiled and introduced cottontails Kathryn Bischoff , Tracy Rittenhouse, Chadwick Rittenhouse	
162: Integrating data on sensory cues into mammalian habitat ecology Rachel Stein , Bastien Lecigne, Timothy Johnson, Jan Eitel, Janet Rachlow	
163: Tundra gardens' from space: satellite imagery provides a landscape-scale perspective of Arctic fox ecosystem engineering Sean Johnson-Bice , James Roth, John Markham	
164: Accounting for age: uncovering the nuanced drivers of mammal body-size responses to global change Miranda Theriot , Link Olson, Hayley Lanier	
9:30 AM	Break – Various Locations
10:00 AM	Plenary Session IIB (ASM Student Awardees) – Idlughet 3
165: Human dimensions of wildlife through time and space Monica Engel	
166: Adopting the cutting edge: monitoring methods in sub-Saharan Africa Matt Snider , Joseph Manning, Pawel Obrycki, Larry Silverberg, James Mwanza, Katheryn Leggat, Salifya Namukonda, Edward Mwanza, Roland Kays	
167: Dracula's menagerie- understanding carnivore community ecology in the Romanian Carpathians Marissa Dyck	
11:30 AM	ASM Committee Meeting (Biodiversity) -- Tubughnenq 5
11:30 AM	ASM Committee Meeting (Graduate Students & Education) -- Tubughnenq 4
11:30 AM	ASM Officers & Student Speakers Lunch -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
12:30 PM	ASM Committee Meeting (Public Education) -- Tubughnenq 3
1:00 PM	ASM Committee Meeting (Nomenclature) -- Tubughnenq 5
1:30 PM	ASM Members Meeting I – Idlughet 3
1:30 PM	Symposia 5, 6 – Tikahtnu A, B
1:30 PM	Technical Session 14 -- Tikahtnu C

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SUNDAY, JULY 16TH, SYMPOSIUM 5
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Symposium 5 -- Bring in the heat: Effects of environmental temperature on mammal behaviour – Tikahntu A
	168: Air temperature shapes the movement behavior of tropical basoendotherms Nina Attias , Aline Giroux, Arnaud Desbiez, Zaida Ortega, Denis Valle, Luiz Gustavo Oliveira-Santos, Guilherme Mourão
	169: Temperature effects on mammals daily movement: the case of urban capybaras Zaida Ortega , Julia Crespo-Vallés, Aline Giroux, Nina Attias, Luiz Gustavo Oliveira-Santos
	170: Body size effects on the behavioral ecology of two Afrotropical sympatric galago species Michelle Sauther , James B. Millette, Frank Cuzzo, Channen Long, Vumboni Harry Msimango
	171: Concerned about our least concerned: climate change as a threat to meerkats Tanja van de Ven
	172: Not too hot to handle: Thermal physiology of an Australian desert dwelling bat Zenon Czenze , Ruvinda de Mel
	173: Bring in the heat: Effects of environmental temperature on mammal behaviour -- Panel Discussion Nina Attias , Zaida Ortega
3:00 PM	Break – Various Locations
3:00 PM	LGBTQIA+ Meet Up -- K'eneakatnu Boardroom
3:30 PM	ASM Committee Meeting (Conservation, Part 2) -- Tubughnenq 5
3:30 PM	Poster Session II – Idlughet 1 & 2

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SUNDAY, JULY 16TH, SYMPOSIUM 5
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Symposium 6 -- Research Opportunities for Mammalogists within the National Ecological Observatory Network (NEON) – Tikahtnu B
	174: Using NEON to understand mammals Ben Dantzer , Karen Mabry, Charles Buck, Lynn Martin
	175: Enabling Integrative Mammalogy with Data and Collections from the National Ecological Observatory Network (NEON) Paula Mabee
	176: Utilization of NEON data by mammalogists: Toolik Research Natural Area as an example Charles Buck
	Panel Discussion Charles Buck
3:00 PM	Break – Various Locations
3:00 PM	LGBTQIA+ Meet Up -- K'eneakatnu Boardroom
3:30 PM	ASM Committee Meeting (Conservation, Part 2) -- Tubughnenq 5
3:30 PM	Poster Session II – Idlughet 1 & 2

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SUNDAY, JULY 16TH, TECHNICAL SESSION 14
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Technical Session 14 (Evolutionary Biology) – Tikahtnu C
	177: Unraveling the complex history of black-tailed deer in Southeast Alaska Flavio Augusto da Silva Coelho , Crystal Tomlin, Duncan McLaren, Daryl Fedje, Emily Latch, James Baichtal, Timothy Heaton, Charlotte Lindqvist
	178: Evolutionary convergence and integration among carnivoran skeletal systems Chris Law , Leslea Hlusko, Jack Tseng
	179: Population and conservation genomics of pocket mice (<i>Perognathus</i>) Krzysztof Kozak , Merly Escalona, Duke S. Rogers, Nicole Lewis-Rogers, Chris Conroy, James L. Patton, Michael Nachman
	180: Investigating the effects of late Holocene climate change on Bering Sea bears Lillian Parker , Kaylee Tatum, Emma Elliott Smith, Michael Etnier, Catherine West, Courtney Hofman
	181: Coupled host and microbiome response to dietary toxins in vertebrate herbivores Danny Nielsen , Matthew Holding, Robert del Carlo, Bradley S. Ferguson, Lora Richards, M. Denise Dearing, Jennifer Forbey, Marjorie Matocq
	182: Divergent echolocation phenotypes within bats exhibit unique evolutionary pathways for hearing loss resistance Alexis Brown , Nancy Simmons, Liliana Davalos
3:00 PM	Break – Various Locations
3:00 PM	LGBTQIA+ Meet Up -- K'eneakatnu Boardroom
3:30 PM	ASM Committee Meeting (Conservation, Part 2) -- Tubughnenq 5
3:30 PM	Poster Session II – Idlughet 1 & 2

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SUNDAY, JULY 16TH, POSTER SESSION II
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

3:30 PM	Poster Session II – Idlughet 1 & 2
183: Evolutionary and demographic history of high-latitude shrews (subgenus <i>Sorex</i>; Eulypotyphla; Soricidae)	Danielle Land , Stephen Greiman, Batsaikhan Nyamsuren, Schuyler Liphardt, Niccolett Ochoa, Jason Malaney, Joseph Cook
184: Effective use of digital media to increase engagement across a networked CURE community	Raven Patrick , Ella Adler, Patrice K. Connors, Johanna Varner
185: Road crossings of raccoon dogs in South Korea	Seoyun Choi , Kyunghae Min, Chang-Yong Choi
186: Inter-individual distance in narrow-ridged finless porpoises in Ise Bay, Japan	Tomoyoshi Terada , Tadamichi Morisaka, Genfu Yagi, Ikuko Kanda, Kiyohiro Ogawa, Motoi Yoshioka
187: Wildlife studies on the Tongass National Forest challenge essential assumptions of its wildlife conservation strategy	Elizabeth Flaherty , Winston Smith
188: Landscape genomics of free-ranging deer (<i>Odocoileus</i>) within Kansas	Tyrel Hafliger , Robert Wilson, Andrew Hope, Sarah Sonsthagen
189: Use and attitudes of ASM members towards the Societys publications	Paul Stapp
190: Group definition of Pacific white-sided dolphins (<i>Lagenorhynchus obliquidens</i>) using time lags of photographs	Natsuki Murayama , Tadamichi Morisaka, Takeshi Igarashi, Motoi Yoshioka
191: Understanding community perspectives and decision-making processes to support efforts towards New Zealand Predator Free 2050.	Izzy Busby , Nikki Harcourt, Chris Jones, Alexandra Palmer, Shaun Ogilvie
192: Meta-analysis of factors affecting fecal pellet decay rates for improving sika deer population density estimates	Haruka Ohashi , Keita Fukasawa
193: Callosciurinae squirrels are important pollinators in Asia	Shun Kobayashi , Tetsuo Denda, Masako Izawa
194: Spatio-temporal interactions between two sympatric mesocarnivores, raccoon dogs and Asian badgers during summer	Kyunghae Min , Seoyun Choi, Chang-Yong Choi
195: Population dynamics and breeding pattern of a soft-furred mouse, <i>Montemys delectorum</i> residing Mount Rungwe, Tanzania.	Upendo Ngoda , Flora Magige, Robert M Byamungu

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196: Evaluating the contribution of anthropogenic food to body condition of raccoons introduced in west-central Hokkaido, Japan Saya Yamaguchi, Mayumi Ueno
197: Why and when do vagrants Sub-Antarctic fur seals <i>Arctocephalus tropicalis</i> come to Southern Brazil? Carlos Oliveira, Murilo Guimarães, Francisco Eliseu Aquino, Márcio Borges-Martins, Daniel Danilewicz, Jonatas Henrique Fernandes do Prado, Silvina Botta, Eduardo Resende Secchi, Venisse Schossler, Sergio Estima, Lucas Schroeder, Marcelo Zagonel de Oliveira, Gyrlene Aparecida Mendes da Silva, Marthán N. Bester, Maurício Roberto Veronez, Larissa Rosa de Oliveira
198: Spatial variation in craniodental morphology in the American mink (<i>Neogale vison</i>) Alexandra Pamfilie, Averill Bryan, Natasha Vitek
199: Mammalian diversity on the U.S. Air Force Academy (Colorado Front Range) David Hale, Helen Pigage, Jon Pigage, Kellie Kuhn, Brian Mhlbachler
200: Challenges in controlling invasive alien raccoons in Japan and the development of new trap Tohru Ikeda
201: Social relationships between reproductive partners in monogamous and non-monogamous species of <i>Peromyscus</i> Daisy Horr, Eileen Lacey
202: Maternity roosts of the Arizona bat (<i>Myotis occultus</i>) in New Mexico John Waller, Ernest Valdez, Teri Orr
203: Vaginal cytology of <i>Artibeus jamaicensis</i> refining and validating a reliable method for assigning reproductive state. Jorge Rivero, Teri Orr
204: Male-biased dispersal on the island populations colonization of brown bears based on ddRAD-seq Yu Endo, Naoki Osada, Tsutomu Mano, Atsushi Nagano, Ryuichi Masuda
205: Hunting status of medium and large mammals by Taiwan aborigines Wu Pei Chen, Wu Hsin Ju
206: SnapshotUSA: nationwide mammal survey William McShea, Roland Kays, Michael Cove, Brigit Rooney
207: Passive acoustic monitoring of marine mammals off Southampton Island, Nunavut, Canada Veronica Coppolaro, Marianne Marcoux, Lisa Loseto, CJ Mundy
208: Small mammals as an indicator of habitat change in the Kalahari, South Africa Nico Avenant, Duncan MacFadyen
209: Establishing a baseline immune response in the pallid bat (<i>Antrozous pallidus</i>) Matthew Miranda, Teri Orr, Jacob Martinez
210: Detection of pregnancy-associated microRNAs in dolphin serum Tamako Matsushashi, Ayaka Suzuki, Nao Fujino, Keiko Yamamoto, Masayuki Anzai

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211: Activity patterns and the influence of vegetation on the presence of mammals in Chihuahuan Desert, Mexico. Cynthia Elizalde-Arellano , Juan Carlos Lopez-Vidal	
212: The Steens Mountain resurvey project: benchmarking desert-montane small mammal diversity in the northern Great Basin Jesse Laney , Rebecca Terry	
213: Seasonal and annual dietary niche differentiation in Asian black bears revealed by stable isotopes Tomoko Naganuma , Rumiko Nakashita, Chinatsu Kozakai, Shinsuke Koike, Koji Yamazaki	
214: Mitonuclear discordance in the five-toed jerboas (Genus <i>Orientallactaga</i>) of central Asia Lexi Baca , Joseph Cook, Batsaikhan Nyamsuren, Jason Malaney	
215: A historical study of the Korean common name and taxonomy of the Wolf (<i>Canis lupus</i>) Dong-Youn Kim , Myung-Sun Chun	
216: Invasion with an enemy: spatio-temporal variation of Aleutian mink disease prevalence and its influence on Andrzej Zalewski , Jenni M. E. Virtanen, Marcin Brzeziński, Tarja Sironen, Marta Kołodziej-Sobocińska	
217: Dietary variation and preferences of mammoth (<i>Mammuthus</i>) and American mastodon (<i>Mammut americanum</i>) in North America Melissa Pardi , Larisa DeSantis	
218: Parasi-tick blood sucker: understanding winter tick (<i>Dermacentor albipictus</i>) trends on moose (<i>Alces alces</i>) across Idaho Riley Robenstein , Eric Van Beek, Mark Hurley, Hollie Miyasaki, Timothy Johnson, Janet Rachlow	
219: Small mammals as a bioindicator of mercury in a biodiversity hotspot the Hengduan Mountains, China Yanju Ma , Shuyin Chen, Lihai Shang, Wei Zhang, Yizhu Yan, Zhiwen Huang, Yiming Hu, Jianchao Liang, Shengnan Ji, Zhiping Zhao, Zhixin Zhou, Huijian Hu	
220: Investigating the species status of Shermans short-tailed shrew (<i>Blarina shermani</i>) Verity Mathis , Ryan Mathieu	
3:30 PM	IFM Members Meeting I – Idlughet 3
5:00 PM	Dinner -- On Your Own
6:30 PM	Buses begin loading for Diversity Social -- Dena'ina Convention Center
7:00 PM	Diversity Social & Picnic -- Alaska Native Heritage Center

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MONDAY, JULY 17TH, OPEN DAY
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

6:00 AM	Gordon L. Kirkland Run for Research -- Tony Knowles Coastal Trail
7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Mid-Meeting Field Trips (ALL DAY) -- On Your Own
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Workshop 4 -- Geospatial Analysis in R -- Kahtnu 2
8:00 AM	Workshop 5 -- Introduction to continuous-time movement modeling for animal tracking data (ALL DAY) -- Tubughnenq 3
8:00 AM	Workshop 6 -- Using the mammalian microbiome as a framework to explore historical knowledge and object-interpretation as methods for enhancing understanding (HALF DAY) -- Tubughnenq 4
8:00 AM	Workshop 7 -- Developing and applying educational modules that link museums, biodiversity literacy, and emerging disease (HALF DAY) -- Tubughnenq 5
8:00 AM	Workshop 8 -- Wildlife telemetry technologies (HALF DAY) -- K'eneakatnu Boardroom
10:00 AM	Break (Workshops Only) -- 2nd Floor Foyer
12:00 PM	Lunch (Workshops Only) -- On Your Own
12:30 PM	ASM Committee Meeting (Resolutions, Part 2) -- Tikahtnu D
12:30 PM	NSF Office Hours w/Dr. Denise Dearing -- Idlughet 1 & 2
12:30 PM	Workshop 9 -- Addressing the taxonomic and geographic shortfalls in IUCN Red List Assessments: Guidelines for ASM researchers (2 HOURS) -- Tubughnenq 4
12:30 PM	Workshop 10 -- Undergraduate Research, Education, and Mentoring in Mammalogy (2 HOURS) -- Tubughnenq 5
12:30 PM	Workshop 11 -- Scenario-Based Bystander Training to Prevent Sexual Harassment and Assault in Mammalogical Field Settings (2 HOURS) -- K'eneakatnu Boardroom
2:30 PM	Break (Workshops Only) -- 2nd Floor Foyer
3:00 PM	Workshop 12 -- Introduction to R for Mammalogists (2 HOURS) -- Tubughnenq 4
3:00 PM	Workshop 13 -- Using Networked Course-Based Undergraduate Research Experiences (CUREs) and Open-Access Digitized Collections Data to Engage Your Students in Mammalogy (2 HOURS) -- Tubughnenq 5
3:00 PM	Workshop 14 -- Mammal Species of the World Next: workshop for extended taxonomic data curation (2 HOURS) -- K'eneakatnu Boardroom
5:00 PM	Dinner -- On Your Own

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TUESDAY, JULY 18TH, PLENARY SESSION III
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (ALL DAY) -- Idlughnet 1 & 2
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Plenary Session III (Dr. Nyeema Harris) – Idlughet 3
Welcome & Announcements Eileen Lacey	
221: Considering Order Carnivora in 22nd Century Mammalogy Nyeema Harris	
9:00 AM	Break – Various Locations
9:30 AM	Symposia 7, 8, 9 – Idlughet 3; Tikahtnu A, B
9:30 AM	Technical Sessions 15, 16, 17 – Tikahtnu C, D, E/F

Presenting Author in Bold



TechnoSmArt
 GPS TRACKING SYSTEMS FOR ANIMALS

TUESDAY, JULY 18TH, SYMPOSIUM 7
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

9:30 AM	Symposium 7 -- The Microbiome Frontier of Mammalogy – Idlughet 3
	222: The importance of linking mammalogy with microbiology and ways forward Kelly Speer , Luis Viquez-R, Kevin Kohl
	223: Who's in charge here?: Microbial contributions to mammalian physiology, ecology, and evolution Kevin Kohl , Nick Barts, Karen Peralta Martinez, Brian Trevelline, M. Denise Dearing, Rodolfo Martinez Mota, Bret Pasch
	224: Exploring metabolic collaborations between bats and their gut bacteria Melissa Ingala , Nancy Simmons, Evan Pannkuk, Jesús Maldonado, Michael McGowen
	225: Microbiome variation and interactions with the host in wild hyenas and domestic cats Connie Rojas , Kay Holekamp, Kevin Theis, Jonathan Eisen
	226: A gut lesson: migration and diet effects on the gut microbiome of the Tequila bat Luis Viquez-R , Kelly Speer, Kerstin Wilhelm, Nancy Simmons, Rodrigo Medellin, Simone Sommer, Marco Tschapka
	227: Climate change and tuberculosis drive non-adaptive shifts in the faecal microbiota of wild meerkats Alice Risely, Nadine Mueller-Klein, Dominik Schmid , Kerstin Wilhelm, Tim Clutton-Brock, Marta Manser, Simone Sommer
	228: Domestication and captivity effects on the mammalian microbiome Jessica Metcalf , Khalid Al-Lenken, Catie Cramer, Affan Sher, Kelsey Fehr, Meghan Azad
	229: What can digital microbiomes tell us Luis Zaman
11:30 AM	ASM Officers & NSF Lunch -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
11:30 AM	Workshop 15 -- Using Bioacoustics: What can Sound Reveal? (2 HOURS) – Tubughnenq 5
12:30 PM	ASM Committee Meeting (Publications Advisory Board, Part 2) -- Tubughnenq 3
12:30 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 2 (1 HOUR) – Tubughnenq 4
1:00 PM	ASM Committee Meeting (Membership) – Kahtnu 2
1:30 PM	Symposia 10, 11, 12 – Idlughet 3; Tikahtnu A, B
1:30 PM	Technical Sessions 18, 19, 20 – Tikahtnu C, D, E/F

Presenting Author in Bold

TUESDAY, JULY 18TH, SYMPOSIUM 8
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

9:30 AM	Symposium 8 -- Advances in proximate and ultimate understanding of rodent dispersal – Tikahtnu A
	230: Rodent dispersal: integrating proximate- and ultimate-level studies of a fundamental behavioral phenomenon Eileen Lacey
	231: Causes and consequences of individual variation in dispersal Karen Mabry , Tina Wey, Rebecca Berg, Madeline Strom
	232: Dispersal and outbreeding in the naked mole-rat. Stan Braude , Jon Hess, Rosie Koch, Markus Zöttl, Susanne Holtze
	233: Variation in neuropeptide receptor density across dispersal in hamsters and ground squirrels Annaliese Beery , Nicole Lee, Scott Nunes
	234: Life history transitions in the neuroendocrinology of prairie voles and spiny mice Aubrey Kelly
	235: Proximate mechanisms of dispersal in laboratory-housed naked mole-rats Melissa Holmes , Ilapreet Toor, Xinye Peng
	236: Neuroendocrine and transcriptomic predictors of dispersal in semi-captive colonial tuco-tucos Nicole Lee , Eileen Lacey
	Panel Discussion Annaliese Beery , Eileen Lacey
11:30 AM	ASM Officers & NSF Lunch -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
11:30 AM	Workshop 15 -- Using Bioacoustics: What can Sound Reveal? (2 HOURS) – Tubughnenq 5
12:30 PM	ASM Committee Meeting (Publications Advisory Board, Part 2) -- Tubughnenq 3
12:30 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 2 (1 HOUR) – Tubughnenq 4
1:00 PM	ASM Committee Meeting (Membership) – Kahtnu 2
1:30 PM	Symposia 10, 11, 12 – Idlughet 3; Tikahtnu A, B
1:30 PM	Technical Sessions 18, 19, 20 – Tikahtnu C, D, E/F

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TUESDAY, JULY 18TH, SYMPOSIUM 9
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

9:30 AM	Symposium 9 -- Viewing dynamic landscapes through the crystal ball of adaptation – Tikahtnu B
	237: Plato's Cave: Predator-Prey Foraging Games and The Landscape of Fear Burt Kotler
	238: How does kangaroo rat locomotion attenuate risk in response to terrain manipulations in the field? Clint Collins, Ella Vázquez-Domínguez, Craig McGowan
	239: The role of dynamic processes in structuring predator-prey interactions in the high Andes Justine Smith
	240: Adaptive responses to habitat loss: an experiment with meadow voles Douglas Morris
	241: Sex, Dominance, and Personality in an Old-World Fruit Bat: How is Foraging Affected? Alexander Pergams, Angeles Salles
	242: Biological factors that influence the gut microbiota of ex situ black-footed ferrets Emily Potratz, Joel Brown, Rachel Poretsky, Rachel Santymire
	243: Of prairie dog towns and tumors Joel Brown
	Panel Discussion Joel Brown
11:30 AM	ASM Officers & NSF Lunch -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
11:30 AM	Workshop 15 -- Using Bioacoustics: What can Sound Reveal? (2 HOURS) – Tubughnenq 5
12:30 PM	ASM Committee Meeting (Publications Advisory Board, Part 2) -- Tubughnenq 3
12:30 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 2 (1 HOUR) – Tubughnenq 4
1:00 PM	ASM Committee Meeting (Membership) – Kahtnu 2
1:30 PM	Symposia 10, 11, 12 – Idlughet 3; Tikahtnu A, B
1:30 PM	Technical Sessions 18, 19, 20 – Tikahtnu C, D, E/F

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TUESDAY, JULY 18TH, TECHNICAL SESSION 15
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

9:30 AM	Technical Session 15 (Community Ecology) – Tikahtnu C
	244: Brown bear digging for cicada nymphs: causes and consequences of behavior change in large mammals Kanji Tomita
	245: Comparing communities of molecularly barcoded non-volant mammals from two complete elevational gradients in New Guinea František Vejmělka , Pierre-Henri Fabre, Daniel Okena, Matěj Lövy, Kris Helgen, Vojtěch Novotný
	246: Bat activity influenced by environmental conditions, stand structure, and insect community in winter Santiago Perea , Steven Castleberry, Amanda Vicente-Santos, Angela Larsen-Gray, Kamal Gandhi, Daniel Greene, Brittany Barnes
	247: Food web shifts in boreal mammals exposed to 30 years of climate warming Philip Manlick , Nolan Perryman, Joseph Cook, Seth Newsome
	248: Micromammal niche shifts from the Pleistocene to the present at Halls Cave, Texas Jonathan Keller , Kate Lyons, Seth Newsome, Felisa Smith
	249: Variable foraging tactics of a generalist carnivore revealed by linking movement to diet Alex Jensen , Michael Muthersbaugh, Charles Ruth, Joseph Buřiloski, John Kilgo, Jennifer Adams, Lisette Waits, David Jachowski
	250: Tracking taxonomic and functional diversity of small mammals through time at the Paisley Caves, Oregon Rebecca Terry , Meaghan Emery-Wetherell
	251: Mesopredator occupancy and songbird richness along an urbanization gradient in central coastal California Matthew McGee , Jenny Duggan
11:30 AM	ASM Officers & NSF Lunch -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
11:30 AM	Workshop 15 -- Using Bioacoustics: What can Sound Reveal? (2 HOURS) – Tubughnenq 5
12:30 PM	ASM Committee Meeting (Publications Advisory Board, Part 2) -- Tubughnenq 3
12:30 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 2 (1 HOUR) – Tubughnenq 4
1:00 PM	ASM Committee Meeting (Membership) – Kahtnu 2
1:30 PM	Symposia 10, 11, 12 – Idlughet 3; Tikahtnu A, B
1:30 PM	Technical Sessions 18, 19, 20 – Tikahtnu C, D, E/F

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TUESDAY, JULY 18TH, TECHNICAL SESSION 16
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

9:30 AM	Technical Session 16 (Physiology) – Tikahtnu D
	252: Changes in mass and condition among free-ranging polar bears during the mating and foraging season Anthony Pagano , Stephen Atkinson
	253: The underlying behavioural and physiological determinants of dominance hierarchy in the naked mole-rat (<i>Heterocephalus glaber</i>) Tshepiso Majelantle , Andre Ganswindt, Daniel Hart, Nigel Bennett
	254: Tolerance of low food quality in female caribou and their calves Perry Barboza , Rachel Shively, Daniel Thompson
	255: Residual costs of reproduction in a long-lived ungulate Matthew Turnley , Tabitha Hughes, Randy Larsen, Kent Hersey, Brock McMillan
	256: Diet protein limits mass gain in a carnivore Amelia Christian , Perry Barboza, Charles Robbins, Troy Tollefson, Jessie McCleary, Chelsea Davis, Anthony Carnahan, Ellery Vincent, Heather Havelock
	257: Density dependent effects of conspecific social information on North American red squirrel glucocorticoids Alexander Hare , Andrew McAdam, Ben Dantzer, Jeffrey Lane, Stan Boutin, Amy Newman
	258: Preliminary endocrine investigation on the largest recorded baleen whale mass stranding Daniela Mello , Danielle Dillon, Alejandro Fernandez Ajó, Fernando Gomes, Verena Haussermann, Charles Buck
OPEN	
11:30 AM	ASM Officers & NSF Lunch -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
11:30 AM	Workshop 15 -- Using Bioacoustics: What can Sound Reveal? (2 HOURS) – Tubughnenq 5
12:30 PM	ASM Committee Meeting (Publications Advisory Board, Part 2) -- Tubughnenq 3
12:30 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 2 (1 HOUR) – Tubughnenq 4
1:00 PM	ASM Committee Meeting (Membership) – Kahtnu 2
1:30 PM	Symposia 10, 11, 12 – Idlughet 3; Tikahtnu A, B
1:30 PM	Technical Sessions 18, 19, 20 – Tikahtnu C, D, E/F

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TUESDAY, JULY 18TH, TECHNICAL SESSION 17
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

9:30 AM	Technical Session 17 (Wildlife Management) – Tikahtnu E/F
	259: Living amidst anthropogenic pressure: a large mammal conservation perspective Milda David , Ashish K, Tharmalingam Ramesh, Riddhika Kalle, M Thanikodi
	260: Spatial patterns of anticoagulant rodenticides in three species of medium sized carnivores in Pennsylvania Aaron Facka , Jacqueline Frair, Thomas Keller, Erica Miller, Llsa Murphy, Julie Ellis
	261: Home range of a Neotropical herbivore: eight years of GPS-tracking in farmlands of Southwest Brazil Maria Jorge , Alexine Keuroghlian, Julia Oshima, Milton Ribeiro
	262: What happened to the marsupials? Post-disaster rescue and rehabilitation after the Australian Black Summer Catherine Herbert , Holly Cope, Clare McArthur, Rachael Gray, Thomas Newsome, Christopher Dickman, Ron Haering, Aditi Sriram
	263: The utilization of large and medium-sized mammals – Case study of two indigenous areas in southern Taiwan Hsin-Ju Wu
	264: Wildlife learning to cross the crowded infrastructure using existing underpasses Mihai Fedorca , Ancuta Fedorca, Georgeta Ionescu, Ovidiu Ionescu, Lucian Dinca
	265: Aspects regarding the presence of mammals in riparian areas of Olt River basin, Romania Georgeta Ionescu , Ancuta Fedorca, Mihai Fedorca, Claudiu PASCA, Alexandru GRIDAN
	266: Breeding values and the heritability of antler traits in white-tailed deer: implications for harvest management Cole Anderson , Randy DeYoung, Michael Cherry, David Hewitt, Charles DeYoung, Joseph Hediger, Matthew Moore, Stuart Stedman
11:30 AM	ASM Officers & NSF Lunch -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
11:30 AM	Workshop 15 -- Using Bioacoustics: What can Sound Reveal? (2 HOURS) – Tubughnenq 5
12:30 PM	ASM Committee Meeting (Publications Advisory Board, Part 2) -- Tubughnenq 3
12:30 PM	Workshop 2 -- 1-on-1 Career Mentoring Session with a Senior Mammalogist, Part 2 (1 HOUR) – Tubughnenq 4
1:00 PM	ASM Committee Meeting (Membership) – Kahtnu 2
1:30 PM	Symposia 10, 11, 12 – Idlughet 3; Tikahtnu A, B
1:30 PM	Technical Sessions 18, 19, 20 – Tikahtnu C, D, E/F

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TUESDAY, JULY 18TH, SYMPOSIUM 10
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Symposium 10 -- The olfactory landscape: a real-time dynamic source of information that drives behavioural decisions and landscape use by mammals – Idlughet 3
	267: Introducing the olfactory landscape: an information source driving mammal movement and decision making Patrick Finnerty , Clare McArthur, Peter Banks, Catherine Price, Adrian Shrader
	268: A new way to define odour information instrumental in ecological interactions Clare McArthur , Cristian Gabriel Orlando, Catherine Price, Malcolm Possell, Peter Banks
	269: African elephants use olfactory cues to locate surface water across a range of spatial scales Adrian Shrader , Matthew Wood, Anne Pandraud, Almuth Hammerbacher, Simon Chamail��-Jammes
	270: Scent marking and food choice in marmoset monkeys: do olfactory cues influence foraging decisions? Cynthia Thompson , Kimberly Bottenberg, Andrew Lantz, Caleb Scheidel, Meghan Pearson, Leonardo de Melo, Maria Ad��lia Borstelmann de Oliveira, Christopher Vinyard
	271: Indirect and transgenerational effects of predation risk: Predator odor and alarm pheromones in bank voles Thorbj��rn Sievert
	272: Altruistic ultrasonic vocalisations by male rats exposed to an olfactory cue of predation risk Miguel Bedoya-Perez , Mehek Rahman, Iain McGregor
	273: Fatal attraction: exploiting olfactory eavesdropping among invasive mammalian for conservation Patrick Garvey
	274: Olfactory misinformation: creating ‘fake news’ to reduce problem foraging by wildlife Catherine Price , Clare McArthur, Peter Banks, Grant Norbury
3:30 PM	Break – Various Locations
4:00 PM	Poster Session III – Idlughet 1 & 2

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TUESDAY, JULY 18TH, SYMPOSIUM 11
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Symposium 11 -- What are the effects of resource pulses on mammal species in a changing world? – Tikahtnu A
Introduction Ben Dantzer , Lauren Petrullo	
275: Effects of resource pulses on life history patterns in boreal forest mammals Stan Boutin , Ben Dantzer, Andrew McAdam, Jeffrey Lane	
276: Predicting the future: mechanisms of anticipatory reproduction in North American red squirrels John Paul Williams Soriano , Stan Boutin, Jeffrey Lane, Andrew McAdam, Ben Dantzer	
277: Just turned 18, highlights and challenges of a long-term chipmunk project in a masting forest Patrick Bergeron , Denis Réale, Dany Garant	
278: Beech masting and its effect on life-histories in two mammals of different size Claudia Bieber , Thomas Ruf	
Panel Discussion Ben Dantzer , Lauren Petrullo, Andrew McAdam, Jeffrey Lane	
3:30 PM	Break – Various Locations
4:00 PM	Poster Session III – Idlughet 1 & 2

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TUESDAY, JULY 18TH, SYMPOSIUM 12
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Symposium 12 -- The Relative Contributions of Social Bonds to the Movement of Ungulate Herds – Tikahtnu B
	279: The Current State of Research on Determining the Social Components of Ungulate Movement Hila Shamon
	280: Collective vigilance in free-ranging ungulates: generating dynamic behavioral datasets with drones and computer vision Ben Koger, Blair Costelloe , Jacob Graving, Adwait Deshpande, Jeffrey Kerby, Iain Couzin
	281: The collective movement of plains bison Claire Bresnan , Hila Shamon, Scott Creel, William McShea
	282: Emergent properties from fine-scale movements in Yellowstone bison: an empirical test of the spatial-social interface Marie-Pier Poulin , Molly Caldwell, Michel P. Laforge, Anne E. Scholle, Tana L. Verzuh, Jerod Merkle, Chris Geremia
	283: Incidence and implications of consistent individual differences in spatial behavior Brett Jesmer , Erica Stuber, Ben Carlson, Randy Larsen, Brock McMillan
	Panel Discussion - The underpinning of herd movement William McShea , Hila Shamon
3:30 PM	Break – Various Locations
4:00 PM	Poster Session III – Idlughet 1 & 2

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TUESDAY, JULY 18TH, TECHNICAL SESSION 18
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Technical Session 18 (Behavior) – Tikahtnu C
	284: A twisted tale: tail use of the salt marsh harvest mouse during climbing Dulce Robles Martinez , Diego Sustaita
	285: Pika behavioral response to climate during the summer foraging season at high latitudes Lily Harrison , Katherine Christie, Colette Brandt, Sophie Gilbert, Janet Rachlow
	286: Feasting at the fringe: dietary limitations red squirrels face at the sub-Arctic treeline Alexandra Windsor , James Roth
	287: Social Distancing in Lions Stotra Chakrabarti , Joseph Bump, Yadvendradev Jhala, Craig Packer
	288: Comparative swimming kinematics of the salt marsh harvest mouse and co-occurring species Arianna Ramirez , Diego Sustaita, Frank E. Fish
	289: Small home ranges misrepresented by big utilization distributions Roger Powell , Aaron Facka, Michael Mitchell
	290: Olfactory navigation in migratory bats Oliver Lindecke , Richard Holland, Gunārs Pētersons, Christian Voigt
	291: Characterization and discrimination of the ultrasonic calls of northern and southern flying squirrels Heidi McMullin , John Scheibe
3:30 PM	Break – Various Locations
4:00 PM	Poster Session III – Idlughet 1 & 2

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TUESDAY, JULY 18TH, TECHNICAL SESSION 19
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Technical Session 19 (Conservation) – Tikahtnu D
292: Predicting habitat and movement corridors for grizzly bears in the US Northern Rockies Sarah Sells , Cecily Costello, Paul Lukacs, Lori Roberts, Milan Vinks	
293: Analysis of skull morphology and behavioural traits as a conservation tool for improving reintroduction/translocation success Emily Scicluna , Peter Green, Marissa Parrott	
294: Mitochondrial genetic diversity of <i>Thryonomys swinderianus</i> populations from the Eastern Arc Mountains ecosystem, Tanzania Shadia Kilwanila , Alfán Abeid, Charles M	
295: The human-wildlife landscape: Effects of fences as a conservation management tool. Terry-Lee Honiball, Marion Valeix, Herve Fritz, Lourens Swanepoel, Jan Venter	
296: Prey preferences and dietary overlap for two myrmecophagous mammals in the Kalahari Makabudi Phakoago , Wendy Panaino, Shane Maloney, Andrea Fuller	
297: Conservation and management of large mammals in the Shiretoko Natural World Heritage Site, Japan. Hiroyuki Uno , Michito Shimozuru, Tsuyoshi Ishinazaka, Masami Yamanaka, Keita Fukasawa	
298: Wild mammals' roadkill patterns, drivers and hotspots along the Nairobi-Mombasa highway, Kenya Johnstone Kimanzi , Peter Kibobi	
299: What drives the abundance of marsupial carnivores in forestry landscapes? Evie Jones , Amelia Koch, Dydee Mann, Rodrigo Hamede, Menna Jones	
3:30 PM	Break – Various Locations
4:00 PM	Poster Session III – Idlughet 1 & 2

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TUESDAY, JULY 18TH, TECHNICAL SESSION 20
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Technical Session 20 (Population Ecology) – Tikahtnu E/F
300: Potential factors affecting <i>Peromyscus</i> tick burden Stephen Mech	
301: Population dynamics of black bears (<i>Ursus americanus</i>) in the Bayfield Peninsula and Apostle Islands Monica Cooper , Jonathan Pauli	
302: Effects of acorn masting on individual growth and sexual maturity of the Japanese wood mouse Takuya Shimada , Hiroki Itô, Takashi Saitoh, Hayato Iijima	
303: Should I stay or should I go? Fitness consequences of burrow fidelity in Eastern chipmunks. Megan Brownlee , Patrick Bergeron, Denis Réale, Dany Garant	
304: Efficacy of machine learning image classification for automated occupancy-based monitoring of terrestrial mammals Robert Lonsinger , Marlin Dart, Randy Larsen, Robert Knight	
305: Elk demographics within a multi-predator system including the recovery of the Mexican gray wolf Scott Boyle , James Cain, Fitsum Abadi, Nicole Tatman, Stewart Liley, James deVos, Josh Avey	
306: Early life variation and transmission of the gut microbiota in wild Soay sheep Hannah Lemon , Amy Sweeny, Xavier Bal, Jill Pilkington, Josephine Pemberton, Andrew Free, Luke McNally, Daniel Nussey	
307: Capture-recapture-recovery models for evaluating mortality, population density and animal space use in a heterogeneous landscape Keita Fukasawa , Yoshihiro Umemura, Mina Jimbo, Mayu Kiyonari, Tomoki Sakiyama, Yukihiro Amagai, Tsuyoshi Ishinazaka, Masanao Nakanishi, Masami Yamanaka, Hiroyuki Uno, Michito Shimozuru	
3:30 PM	Break – Various Locations
4:00 PM	Poster Session III – Idlughet 1 & 2

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TUESDAY, JULY 18TH, POSTER SESSION III
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:00 PM	Poster Session III – Idlughet 1 & 2
308: Phylogenomics of the northern bog-lemming, a cold-temperate rodent of conservation concern Kaitlyn Headlee , Ben Wiens, Andrew Hope	
309: Phylogeographic history of <i>Phyllotis xanthopygus</i> (Cricetidae; Rodentia) species complex across South America Tabitha McFarland , Jason Malaney, Joseph Cook	
310: Morphological variation in <i>Abrothrix olivacea</i> (Waterhouse, 1837) in the Patagonian-Fuegian region: a geometric morphometric study Alejandro D'Anatro , Guillermo D'Elia, Enrique Lessa	
311: Messages in a bottle: Small mammal bones from discarded bottles Jelle Zijlstra	
312: Fear of trap: does trapping influence flight distances to humans in urban squirrels? Kenta Uchida , Takuto Ban, Miho Higuchi, Yu Takahata, Dale Kikuchi	
313: Anthropogenic and stand features affect deer foraging behaviour and browsing pattern on trees recruitment Wojciech Gil , Zbigniew Borowski, Jan Łukaszewicz, Grzegorz Zajäckowski	
314: Long-term prey switching and individual specialization as tools for assessing beluga vulnerability to climate change Jory Cabrol , Véronique Lesage	
315: A conceptual model for beaver dam location based on land topography, case study in the Romanian Black River basin Alexandru GRIDAN , Georgeta Ionescu, Ancuta Fedorca, Claudiu PASCA	
316: Behavior classification model of brown bear using 3-axis accelerometer and camera mounted collar Yui Nemoto , Michito Shimozuru, Kotaro Shimizu, Yuri Shirane, Mina Jimbo, Masanao Nakanishi, Masami Yamanaka, Toshio Tsubota	
317: A ludic learning strategy to comprehend different forms of systematics, the academic and the indigenous Celeste Medrano , Rocío Sanchez, Agustín Machado, Andrea Previtali	
318: Examining ecotypic variation and environmental factors to improve the success of translocated bighorn sheep populations Sean McCain , Kelley Stewart, Brett Wiedmann, Vernon Bleich, Rusty Robinson	
319: Artificial intelligence: a new tool to help the identification of southern fur seals Larissa Oliveira , Carlos Oliveira, Camila Spaniol Klagenberg, Maurício Roberto Veronez	

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320: Long-term stability of vocal phrases in the White-handed gibbon (<i>Hylobates lar</i>) Thomas Terleph , Chanpen Saralamba, Ulrich Reichard
321: Building parasite-host collections in the Intermountain West Logan Roberts , Katrina Derieg
322: American black bear resource and space use in a recolonizing population in southeastern Oklahoma Courtney Dotterweich , Sue Fairbanks
323: Optimizing whole genome sequencing from fecal samples in snowshoe hares Jessica Powell , Cynthia Ulbing, Timothy Wheeler, L. Scott Mills, Jeffrey M. Good
324: Potential contribution of the gut microbiota to nitrogen homeostasis in arctic ground squirrels Heidi McKee , Khrystine Duddleston
325: Resolving the unknown effects of bison wallow activity on prairie ecological engineering and restoration Bree Eastman , Hayden Wolfe, Michael Hildreth, Lora Perkins, Jeff Martin
326: Visualizing Mongolian mammal specimens and their parasites across institutions and time Litsa Wooten , Jonathan Dunnum, Jason Malaney, Stephen Greiman, Kurt Galbreath, Bryan McLean, Sally Koerner, Joseph Cook
327: Bat invasions to urban agglomeration: case study of <i>Pipistrellus pipistrellus</i> Marcel Uhrin , Peter Kaňuch, Gréta Nusová
328: Diet of bobcats (<i>Lynx rufus</i>) fatally affected by fragmentation in Connecticut, USA Kim Hughes , Carol Henger, Jason Hawley, Tracy Rittenhouse, Jason Munshi-South
329: Rapid and excessive tooth wear of Arctic foxes, <i>Vulpes lagopus</i>, on Shemya Island, Alaska Paula White , Terry Spraker
330: Neonate mortality in mountain caribou: Insights into the extent and spatiotemporal patterns of wolf predation Tazarve Gharajehdaghipour , Carolyn Shores, Cole Burton
331: Hammering out the details: the examination of the unique morphology of the Phocidae malleus Lindsey Koper , Ian Mahone, Sulman Rahmat
332: Thermal and microspatial variation, not food availability, affect mass in a hibernating squirrel Bodie Spinner , Ian Breckheimer, Dirk Van Vuren, Jaclyn Aliperti, Caitlin Wells
333: Using stable isotopes to elicit effects of free roaming cats on native Hawaiian wildlife Erin Salano , Jake Ferguson
334: Extant Large Cats Versus <i>Smilodon</i>: a gape gap Virginia Naples , Misty Haji-Sheikh, Michael Haji-Sheikh

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335: Use of soybean fields by Asiatic black bears: body size and distance from roads Sota Watanabe , Kiyoshi Yamauchi	
336: Movement ecology and impacts of Toxoplasmosis on mesopredators in the Florida Keys Kelly Crandall , Brent Pease, Michael Cove	
337: Mammal trait filtering and selection on islands revisited Kimberly Cook , Robbie Burger	
338: Gut microbiome in hibernating Palearctic bats Hana Bandouchova , Miroslav Kolarik, Adela Cmokova, Petr Linhart, Jana Sedlackova, Aneta Kubickova, Lucie Veitova, Veronika Seidlova, Jan Zukal, Jiri Pikula	
339: Drivers of arctic rodent population fluctuations and potential impacts of climate change Jess Steketee , Michael Sheriff, Rebecca Rowe	
340: Exploring the National Ecological Observatory Network (NEON) small mammal collections, samples and data Laura Steger , Azhar Husain, Rosie Liao, Kelsey Yule, Nico Franz	
341: Transcriptome analysis of maternal leucocytes related to delayed implantation in brown bears Asuka Nishijima , Yojiro Yanagawa, Naoya Matsumoto, Kyogo Hagino, Hideyuki Sakamoto, Takashi Hayakawa	
342: Prevalence of <i>Bartonella</i> in the American pika Margaret Lorenz , Hilary Rinsland, Kurt Galbreath	
343: Generating a mammalian hair database for the Southeastern United States Aimee Rockhill , Lisa Gatens, Hunter Lail, Meredith Lloyd, Eric Fanning	
344: Hanging by a thread: exploring the arboreal mammal ecology in urban areas Isabela Conti	
5:30 PM	Dinner -- On Your Own
7:30 PM	Student Social – 3rd Floor Foyer & Tikahtnu Terrace
9:00 PM	Auction for Future Mammalogists – 3rd Floor Foyer & Tikahtnu Terrace

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WEDNESDAY, JULY 19TH, PLENARY SESSION IV
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (ALL DAY) -- Idlughnet 1 & 2
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Plenary Session IV (ASM Senior Awardees) – Idlughet 3
Welcome & Announcements Felisa Smith	
345: The pursuit of learning with probability and statistics: mammals, chase your tails! Robert Swihart	
346: Protecting the Sacred Place Where Life Begins: Porcupine Caribou and Neets'aii Gwich'in Way of Life Sarah James	
347: Mammal body size: from mice to mammoth and back again Felisa Smith	
10:30 AM	Break – Various Locations
11:00 AM	ASM Members Meeting II – Idlughet 3
11:00 AM	Technical Sessions 21, 22, 23 -- Tikahtnu A, B, C

Presenting Author in Bold

WEDNESDAY, JULY 19TH, TECHNICAL SESSION 21
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

11:00 AM	Technical Session 21 (Behavior) – Tikahtnu A
	348: Small choices, big movements: consequences of small mammal seed preference to woody plants distribution shifts Gabriela Franzoi Dri , Malcolm Hunter, Alessio Mortelliti
	349: Mule deer can, but don't always, learn migration from mom Rhiannon Jakopak , Taylor LaSharr, Hall Sawyer, Samantha Dwinnell, Jill Randall, Gary Fralick, Brandon Scurlock, Mark Thonhoff, Rusty Kaiser, Kevin Monteith
	350: The mighty minds of mammals: a 7-year investigation on the behavioral structure of mammalian communities Alessio Mortelliti , Allison Brehm, Sara Boone, Brigit Humphreys, Margaret Merz, Ivy Yen
	351: Novel resources and native populations: Effects of small mammal personality on dispersal of <i>Quercus</i> seeds Ivy Yen , Alessio Mortelliti
	352: The buck stops here: resource selection during encamped behavior of white-tailed deer Blaise Newman , Jordan R. Dyal, Karl V. Miller, Michael Cherry, Gino J. D'Angelo
	353: Individual differences in exploratory behavior may inform species-level responses to environmental change in montane chipmunks. Kwasi Wrensford , Ketki Samel, Eileen Lacey
12:30 PM	ASM Board of Directors Meeting II (OPTIONAL) -- K'eneakatnu Boardroom
12:30 PM	ASM Committee Meeting (Human Diversity, Part 2) -- Tubughnenq 5
12:30 PM	Lunch -- On Your Own
2:30 PM	IFM Members Meeting II (OPTIONAL) – Idlughet 3
2:30 PM	Symposia 13 – Tikahtnu A
2:30 PM	Technical Session 24, 25, 26, 27 – Tikahtnu B, C, D, E/F

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 22
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-

-Please note all times are listed in local Alaska time-

11:00 AM	Technical Session 22 (Conservation) – Tikahtnu B
354: The patterns and drivers of large mammal defaunation over past 60 years in China Sheng Li , Shuyi Zhu, Xiaoli Shen, William McShea	
355: Potential effects of wind turbines on bats in the Mediterranean: A case study from Lebanon Mounir R. ABI-SAID , Sinoj Kokulasingam, Rita Bouery	
356: The moose in the room: Canada's most politically-charged mammal? Adam Ford , Mateen Hessami, Clayton Lamb, Melanie Dickie, Rob Serrouya	
357: Assessing the impact of placer mining on Wolverine/Nā'ahtrā abundance and distribution in the Klondike gold fields Zachary Fogel , Karlie Knight, Piia Kukka, Alice McCulley, Thomas Jung, Fiona Schmiegelow	
358: Factors affecting the occupancy pattern of the Togean Islands babirusa in the Togean Islands, Indonesia Agus Jati , Bayu Broto, Gabriela Franzoi Dri, Kurnia Latifiana, Alessio Mortelliti	
359: Shade cocoa agroforests as refuge zones for mammals Ricardo Bovendorp , Rebeca Sampaio, Paloma Resende, Julian Barillaro, Leticia da Costa, Ana Rubia Rossi, Maria Ventorin, Alaya Keane, Thomas Lacher, Deborah Faria	
12:30 PM	ASM Board of Directors Meeting II (OPTIONAL) -- K'eneakatnu Boardroom
12:30 PM	ASM Committee Meeting (Human Diversity, Part 2) -- Tubughnenq 5
12:30 PM	Lunch -- On Your Own
2:30 PM	IFM Members Meeting II (OPTIONAL) – Idlughet 3
2:30 PM	Symposia 13 – Tikahtnu A
2:30 PM	Technical Session 24, 25, 26, 27 – Tikahtnu B, C, D, E/F

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 23
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

11:00 AM	Technical Session 23 (Wildlife Management) – Tikahtnu C
360: White-tailed deer and cattle - nutritional consequences for deer population performance	Bryan Spencer , Miranda Hopper, Randy DeYoung, Aaron Foley, David Hewitt, Alfonso Ortega-S, Landon Schofield, Tyler Campbell, Michael Cherry
361: Pennsylvania snowshoe hares (<i>Lepus americanus</i>)	Emily Boyd , Laura C. Gigliotti, Duane R. Diefenbach, Emily Clees, Paul S. Weiss
362: The importance of behavioral state-specific inclusion in resource selection analyses: A case study with pronghorn	Marlin Dart , Evan Tanner, Tim Fulbright, Anthony Opatz, Levi Heffelfinger, David Hewitt, Randy DeYoung, Shawn Gray, Michael Cherry
363: “A modern outlook on the management of invasive mammals: inclusive, informed, impactful” Panel discussion	Katherine Horak , Anna Mangan, Amy Levine
364: Genetic ancestry of feral pigs on Hawaiian Islands	Anna Mangan , Nicolai Barca, Darrin Phelps, Antoinette Piaggio, Nathaniel Wehr, Dominic Wright, Timothy Smyser
365: Pyrodiversity begets taxonomic and functional richness of mammals in a neotropical savanna	Clarice Souza, Águeda Lourenço, Maria Clara Chagas, Emerson Vieira
12:30 PM	ASM Board of Directors Meeting II (OPTIONAL) -- K'eneakatnu Boardroom
12:30 PM	ASM Committee Meeting (Human Diversity, Part 2) -- Tubughnenq 5
12:30 PM	Lunch -- On Your Own
2:30 PM	IFM Members Meeting II (OPTIONAL) – Idlughet 3
2:30 PM	Symposia 13 – Tikahtnu A
2:30 PM	Technical Session 24, 25, 26, 27 – Tikahtnu B, C, D, E/F

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WEDNESDAY, JULY 19TH, SYMPOSIUM 13
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:30 PM	Symposium 13 -- Future population projections under different climate change scenarios: threatened wild equids as an example – Tikahtnu A
Introduction Joseph Ogutu, Patricia Moehlman	
366: Zebra population dynamics and range contraction in Kenya: the relative contributions of land use and climate changes Joseph Ogutu	
367: Climate and land use change: how will two arid adapted equids be impacted? Daniel Rubenstein	
368: Future viability of the African wild ass (<i>Equus africanus</i>) in the Danakil Desert, Eritrea Redae Tesfai, Norman Owen-Smith, Francesca Parrini, Patricia Moehlman	
369: Population dynamics and viability of onager (<i>Equus hemionus onager</i>) on the arid plateau of Iran Saeideh Esmaeili, Mahmoud-Reza Hemami, Kathryn A. Schoenecker, Sarah King, Patricia Moehlman	
Panel Discussion Joseph Ogutu, Patricia Moehlman	
4:00 PM	ASM Committee Meeting (Resolutions, Part 3) -- Tubughnenq 5
4:00 PM	Break – Various Locations
4:30 PM	Symposia 14, 15, 16 – Idlughet 3; Tikahtnu A, B
4:30 PM	Technical Sessions 28, 29, 30 – Tikahtnu C, D, E/F

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 24
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:30 PM	Technical Session 24 (Behavior) – Tikahtnu B
	370: Isotopic niche of generalist predators in an agriculture-dominated landscape Charlotte Milling , Stanley Gehrt
	371: Selection of dens and timing of hibernation by black bears in the western Great Basin Morgan Long , Heather Reich, Carl Lackey, Jon Beckmann, Kelley Stewart
	372: Diet analysis and indications for hunting in savanna chimpanzees at two sites in Senegal Grace Crim , Elizabeth Flaherty, Sophia Flores, Stacy Lindshield, Papa Ibnou Ndiaye, Yaya Ndiaye, Alexis Proudman, Jill Pruetz
	373: Predation risk tolerance and habitat selection of a climate generalist influenced by temperature Breanna Green , Evan Tanner, Richard Chandler, Heather Abernathy, L. Mike Conner, Elina Garrison, David Shindle, Karl V. Miller, Michael Cherry
	374: Division of labour in wild naked mole-rat groups Markus Zöttl , Shay Rotics, Houssein Rayaleh, Stan Braude, Oscar Nordahl
	OPEN
4:00 PM	ASM Committee Meeting (Resolutions, Part 3) -- Tubughnenq 5
4:00 PM	Break – Various Locations
4:30 PM	Symposia 14, 15, 16 – Idlughet 3; Tikahtnu A, B
4:30 PM	Technical Sessions 28, 29, 30 – Tikahtnu C, D, E/F

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 25
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

2:30 PM	Technical Session 25 (Biogeography) – Tikahtnu C
	375: Postglacial colonization in the Great Lakes region by <i>Peromyscus leucopus</i> Joyce Prado, Tricia Rubi, Susan Hoffman, Ben Dantzer, Lacey Knowles
	376: (Range) size matters: the ecology and biogeography of endemic mammal species Benjamin Shipley, Jenny McGuire
	377: American Black Bears in Lowland Desert: Assessing Habitat Use with Hydrogen Isotopes Sydney Stephens, Austin Green, Christy Mancuso, Cagan Sekercioglu
	378: The dental ecology and oral biology of a wild population of South African <i>Otolemur crassicaudatus</i> Frank Cuozzo, John Dalton, Michelle Sauther, Adrian Tordiffe, Ilana Van Wyk
	379: Location, location, location: evidence of niche conservatism, divergence and convergence on Ecuadorian bats. Santiago Burneo, Jairo Pérez-Torres, Jamie Kass
	380: Stable isotope analyses for dietary studies: how nuanced can we go? Joy Peplinski, Eduardo Dias de Oliveira, Heesha Kumar, Joel Brown, Miquel Gonzalez-Meler
4:00 PM	ASM Committee Meeting (Resolutions, Part 3) -- Tubughnenq 5
4:00 PM	Break – Various Locations
4:30 PM	Symposia 14, 15, 16 – Idlughet 3; Tikahtnu A, B
4:30 PM	Technical Sessions 28, 29, 30 – Tikahtnu C, D, E/F

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 26
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-

-Please note all times are listed in local Alaska time-

2:30 PM	Technical Session 26 (Conservation) – Tikahtnu D
381: Global review of anticoagulant rodenticide exposure in wild mammalian carnivores	
Meghan Keating , Elizabeth Saldo, Jacqueline Frair, Stephanie Cunningham, Rafael Mateo, David Jachowski	
382: A Cultural and Morphological Investigation of Ancient Bering Sea Bear Bones	
Kaylee Tatum , Lillian Parker, Catherine West, Michael Etnier, Courtney Hofman	
383: Deterring polar bears from communities: what works and what does not?	
Ryan Wilson , Susanne Miller, Lindsey Mangipane, Andrew Von Duyke	
384: Water-works: Bat community response to Everglades restoration	
Elizabeth Braun de Torrez , Laura Nicholson, Holly Ober	
385: Ecological impacts of feral cats on the California Channel Islands: Insights from museum collections	
Emma Elliott Smith , Courtney Hofman, Torben Rick, Paul Collins, Seth Newsome	
386: The lion's share: implications of lion diet on an endangered antelope in Tsavo	
Eliza King , Stotra Chakrabarti, Fredrick Lala, Richard Moller, Patrick Omondi, Joseph Bump, Stephen Nyagah, Grace Waiguchu, Patrick Chiyo, Joseph Kyalo, Aaron Morris	
4:00 PM	ASM Committee Meeting (Resolutions, Part 3) -- Tubughnenq 5
4:00 PM	Break – Various Locations
4:30 PM	Symposia 14, 15, 16 – Idlughet 3; Tikahtnu A, B
4:30 PM	Technical Sessions 28, 29, 30 – Tikahtnu C, D, E/F

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 27
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-

-Please note all times are listed in local Alaska time-

2:30 PM	Technical Session 27 (Disease Ecology) – Tikahtnu E/F
	387: Ectoparasite life history traits influence occupancy patterns at varying organizational scales Emily Beasley
	388: Impact of polyhostality and cross species transmission in lyssavirus perpetuation, prevention, control, and elimination Charles Rupprecht
	389: Factors affecting <i>Spirometra erinaceieuropaei</i> (Cestoda: Diphyllbothridae) dynamics in wild carnivorous mammals inhabiting north-eastern Poland Marta Kołodziej-Sobocińska, Rafał Kowalczyk, Eliza Kondzior, Tomasz Borowik
	390: Living at the end of the world: the population dynamics of Antarctic seal lice Florencia Soto, Javier Negrete, Soledad Leonardi
	391: Risks associated with sarcoptic mange infestations among a highly urbanized wild coyote population. Ashlyn Halseth, Stanley Gehrt, Chris Anchor
	392: <i>Infection of LeishmaniaTrypanosoma</i> spp. in non-human primates Bahia state of Brazil Anaia Seva, Reizane Pereira Lordelo Lordelo, George Rego Albuquerque, Luana Karla Nogueira de Santana Souza Santos, Sofia Bernal Valle, Kristel De Vleeschouwer, Hllytchaikra Ferraz Fehlberg, Danilo Simonini Teixeira
4:00 PM	ASM Committee Meeting (Resolutions, Part 3) -- Tubughnenq 5
4:00 PM	Break – Various Locations
4:30 PM	Symposia 14, 15, 16 – Idlughet 3; Tikahtnu A, B
4:30 PM	Technical Sessions 28, 29, 30 – Tikahtnu C, D, E/F

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WEDNESDAY, JULY 19TH, SYMPOSIUM 14
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:30 PM	Symposium 14 -- Emerging leaders in the study of mammalian responses to changing climates – Idlughet 3
Introduction Stan Boutin	
393: Is understanding activity key for predicting mammalian responses in changing environments? Emily Studd , Stan Boutin, Murray Humphries	
394: The nuanced effects of climate change on the fitness of mammal populations Maria Paniw , Arpat Ozgul, Tim Clutton-Brock, Marta Manser, Peter Kappeler, Ana Morales-González	
395: Environmental drivers of seasonal body mass changes in Alpine ibex Alice Brambilla , Bruno Bassano, Achaz von Hardenberg, Lukas Keller, Marco Festa-Bianchet	
396: Long-term, climate-driven phenological shift in a tropical large carnivore Briana Abrahms	
397: Coat-color mismatch improves survival of a keystone boreal herbivore: energetic advantages exceed lost camouflage Michael Peers	
398: Presence of domestic and non-native species shifts trait-environment relationships in herbivorous mammal communities Rachel Short , Michael Sketel, Jeff Martin, Julia Schap, Jenny McGuire, A. Michelle Lawing	
Panel Discussion Stan Boutin , Emily Studd, Michael Peers, Yasmine Majchrzak, Juliana Balluffi-Fry	
6:30 PM	Dinner -- On Your Own
8:30 PM	Poster Session IV – Idlughet 1 & 2

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WEDNESDAY, JULY 19TH, SYMPOSIUM 15
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:30 PM	Symposium 15 -- Beringian Biogeography Through the Lens of Mammals and Their Parasites – Tikahtnu A
	399: Beringian biogeography through the lens of mammals and their parasites Kurt Galbreath , Eric Hoberg, Joseph Cook
	400: Diversity at genes associated with immune response in two eastern Beringian ursids Sandra Talbot , George Sage, Sean Farley, Charlotte Lindqvist, Joseph Cook, Karyn Rode, Sarah Sonsthagen
	401: Systematics and biogeography of hymenolepidid cestodes of soricids Stephen Greiman , Kayce Bell, Vasyi Tkach, Joseph Cook, Eric Hoberg
	402: Phylogeography and codiversification of chipmunks, parasites, and microbes Kayce Bell , Priscilla San Juan
	403: Significance of Beringia in evolutionary history of Arctic lemmings (<i>Dicrostonyx</i>, <i>Lemmus</i>) Vadim Fedorov
	404: Phylogeography of weasels and their worms reveals cross-Beringia taxon pulses Jocelyn Colella , Eric Hoberg, Stephen Greiman, Kayce Bell, Julie Allen, Sandra Talbot, Joseph Cook
	Panel Discussion Joseph Cook , Kurt Galbreath
6:30 PM	Dinner -- On Your Own
8:30 PM	Poster Session IV – Idlughet 1 & 2

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WEDNESDAY, JULY 19TH, SYMPOSIUM 16
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:30 PM	Symposium 16 -- Density Dependence in Ungulates: Underpinnings and New Insights into Population Processes – Tikahtnu B
	405: Old ideas with new insights into ungulate population dynamics Terry Bowyer
	406: Life-history consequences of density dependence in ungulates Kelley Stewart , Terry Bowyer, Nathan Jackson, Marcus Blum, Levi Heffelfinger
	407: Nutritional condition is fundamental to the life-history of mule deer (<i>Odocoileus hemionus</i>) Brock McMillan , Kent Hersey, Sydney Lamb, Eric Freeman, Morgan Hinton, Randy Larsen
	408: Density dependence, resilience, and the hydra effect in ungulates Mark Boyce
	Panel Discussion Kelley Stewart
6:30 PM	Dinner -- On Your Own
8:30 PM	Poster Session IV – Idlughet 1 & 2

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 28
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:30 PM	Technical Session 28 (Behavior) – Tikahtnu C
409: Gut microbiota of wild social mole-rats Hanna Bensch , Conny Tolf, Jonas Waldenström, Daniel Lundin, Markus Zöttl	
410: Audible distance of red squirrel rattles and the impacts of anthropogenic noise Bret Pasch, Sean Mahoney	
411: Does space use influence social phenotype in California ground squirrels (<i>Otospermophilus beecheyi</i>)? Erin Person, Eileen Lacey, Jennifer Smith	
412: Disentangling the lethal and non-lethal effects of cougar predation events on bighorn sheep Zachary Cloutier , Marco Festa-Bianchet, Fanie Pelletier	
413: Intragroup kinship and group size in a promiscuous cooperative breeder, the Cape ground squirrel Jane Waterman, Rebecca Lem	
414: Advertising and receiving from heights increases transmission of vocalizations in a semi-arboreal mouse Ryan Brzozowski , Anastasiya Kobrina, Sean Mahoney, Bret Pasch	
415: Giving up density experiments describe perceived risk by Humboldt martens within forests diverse in complexity Jessica Buskirk , James Mackenzie, David Lamphear, Fiona McKibben, Katie Moriarty	
416: Sympatric predators respond differently to seasonal resource scarcity on the Low Arctic tundra James Roth , Chloe Warret Rodrigues	
6:30 PM	Dinner -- On Your Own
8:30 PM	Poster Session IV – Idlughet 1 & 2

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 29
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-

-Please note all times are listed in local Alaska time-

4:30 PM	Technical Session 29 (Conservation) – Tikahtnu D
417: Climate-related declines in a high-elevation population of ground squirrels Scott Nunes , Kayleigh Little, Naupaka Zimmerman	
418: Evaluating fisher movement patterns in a dynamic forested landscape Marie Martin	
419: Exploring geodiversity as a tool to enhance species distribution models for mammals in the Northern Andes Beth Gerstner , Phoebe Zarnetske	
420: A new paradigm for ocelot recovery in the United States Lisanne Petracca	
421: How snow patch refugia benefit species of peri-glacial zones Forest Hayes , Joel Berger	
422: Running a large-scale, long-term camera trap monitoring project for conservation in Africa, the SnapshotSafari experience Jan Venter , Lain Pardo, Nicholas Osner, Sarah Huebner, Lisa Nicvert, Lourens Swanepoel, Mike Peel, Michael Somers, Mark Keith, Herve Fritz	
423: Mind the gap: impacts and mitigation of oil pipelines on neotropical arboreal small mammals Caryne Braga , Leandro de Oliveira Drummond, Carlos Ramon Ruiz-Miranda, Juan Arias, Pablo Gonçalves	
424: A community-based ecological corridor at the southernmost edge of jaguar distribution Mariela Gantchoff , Ines Ramos Vertiz, Nicolás Lodeiro Ocampo	
6:30 PM	Dinner -- On Your Own
8:30 PM	Poster Session IV – Idlughet 1 & 2

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WEDNESDAY, JULY 19TH, TECHNICAL SESSION 30
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:30 PM	Technical Session 30 (Systematics) – Tikahtnu E/F
425: Museum genomics and morphology illuminate the evolutionary history and diversity of Oriental Giant Squirrels Arlo Hinckley , Jesús Maldonado, Melissa Hawkins	
426: Phylogenomics and species delimitation of an abundant and little-studied Amazonian forest spiny rat Jeronymo Dalapicolla, Joyce Prado, Lacey Knowles, Alexandre Percequillo	
427: Phylogenomics of the Montane Shrew, <i>Sorex monticola</i>, and allies in the <i>Sorex vagrans</i> complex Antonia Androski (she/her) , Joseph Cook, Schuyler Liphardt, John Demboski	
428: News on African mole-rats diversity and phylogeny: museum material barcoding and genomic approaches. Radim Šumbera , Michaela Uhrová, Anna Bryjova, Ondrej Mikula	
429: Hidden diversity of the rodent genus <i>Thrichomys</i> (Echimyidae) from Brazilian open formations: an integrative approach. Ana Lazar , Cibele Bonvicino, Fabrícia Nascimento, Alexandra Bezerra, Marcelo Weksler	
430: Genomic and morphometric resolution of species limits in Andean leaf-eared mice <i>Phyllotis</i> Jared Osland , Max Bangs, Scott Steppan	
431: How many mouse-deer are there?:Re-evaluation of chevrotain (Artiodactyla: Tragulidae) systematics using genomics and morphology Marcus Chua , Jesús Maldonado, Haw Chuan Lim	
432: Phylogenetic relationships within Sigmodontinae (Rodentia: Cricetidae) inferred from total evidence analysis of DNA and morphology Filipe Gudinho , Marcelo Weksler	
6:30 PM	Dinner -- On Your Own
8:30 PM	Poster Session IV – Idlughet 1 & 2

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WEDNESDAY, JULY 19TH, POSTER SESSION IV
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

8:30 PM	Poster Session IV – Idlughet 1 & 2
433: Morphological variation in <i>Sorex trowbridgii</i> Chris Conroy , Andrew Hope, John Demboski, Giorgia Auteri, Sean Maher	
434: Investigating the impact of mating system variation on molecular evolution in the male reproductive tract Erin Voss , Michael Nachman	
435: Bats and birds: confluence of anthropogenic habitat, invasive species, and unexpected hunting strategies Geoffrey Palmer , Rosa Palmer	
436: Phylogenomics of Trowbridges shrew (<i>Sorex trowbridgii</i>) and comparative diversification of western North American forest mammals John Demboski , Giorgia Auteri, Sean Maher, Chris Conroy, Andrew Hope	
437: Hidden Markov models to identify functional corridors for black bear dispersal JACOB HUMM , Sue Fairbanks	
438: Feral swine detection and distribution in the nations first big-game wildlife refuge Ben Murley , Robert Lonsinger	
439: Detecting multiple paternity in free-ranging mammals using single-nucleotide polymorphisms Madeline Martin , Sydney Lamb, Paul Frandsen, Brock McMillan, Randy Larsen	
440: Investigating methodology and practical usage of terrestrial environmental DNA in presence determination of rodent species Camilla Groce , Kimberly Johnston, Alicia Shenko	
441: Playing minigames enhances student learning and comprehension of complex anatomical systems: A respiratory system example Reva Freedman , Lucas Edwards, Ian Sullivan, Dean LaBarbera, Virginia Naples	
442: American mink diet on Maine coastal islands: implications for seabird conservation and shifting baselines SARA WILLIAMS , Sabrina Shirazi, Karissa Hughes, Chris Abin, Linda Welch, Alexis Mychajliw, Courtney Hofman	
443: Use of bear marking sites by other animals Hinako Katsushima , Itsuro Koizumi	
444: Biodiversity Literacy in Undergraduate Education (BLUE): data literacy, workforce training, and natural history collections Molly Phillips , Anna Monfils, Debra Linton, Elizabeth Ellwood, Erica Krimmel	
445: Long-term monitoring of small mammals in a restored urban greenspace Lisa Gatens , Michael Cove	

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446: Baseline ecological data to address local impact of climate change on woodrats (<i>Neotoma</i>) Jada Mulford, Patrice K. Connors
447: Environmental correlates of changes in genomic composition across a small mammal hybrid zone Casey Adkins, Marjorie Matocq, Sean Maher, Nathan Byer, Elizabeth Hunter, Kevin Shoemaker
448: Photoperiod drives variation in grouping behavior of seasonally social meadow voles housed in RFID-tracked habitats Kelley Power, Nicole Lee, Annaliese Beery
449: Investigating <i>Bartonella</i> prevalence as a potential stressor in American pika populations Hilary Rinsland, Kurt Galbreath
450: STEPP-NET 2023 update – new discoveries, biodiversity infrastructure, and next steps Jason Malaney, Kurt Galbreath, Stephen Greiman, Sally Koerner, Batsaikhan Nyamsuren, Jonathan Dunnum, Joseph Cook, Bryan McLean
451: A decade of adaptive management to recover the Key Largo woodrat—an endangered ecosystem engineer Michael V. Cove
452: Cellular heat responses of desert mammals promote survival in extreme conditions Janessa Montenegro, Allyson Hindle, Carla B. Madelaire, Amy Klink
453: Influence of urbanization and vegetation on mammalian diel activity Payton Phillips, Jocelyn Behm
454: Dune wolves: genetic origin, habitat selection and diet of wolf population recolonizing the Baltic coast Maciej Szewczyk, Frank-Uwe Michler, Małgorzata Goc, Małgorzata Witek, Małgorzata Warda, Sabina Nowak, Robert Mysłajek
455: Processing the electrocardiogram (ECG) of ruminants Asgeir Bjarnason, Liv Monica Trondrud, Anne Randi Græsli, Boris Fuchs, Laura Niccolai, Alina L. Evans
456: Impact of infectious and non-infectious stressors in Palearctic bats Petr Linhart, Hana Bandouchova, Jan Zukal, Jiri Pikula, Miroslava Kanova, Aneta Kubickova, Kamila Novotna-Kruzikova, Jana Sedlackova, Zdenka Svobodova, Lucie Veitova, Anton Vlaschenko, Jan Votypka
457: Genetic impact on reproductive output in Antarctica Weddell seals (<i>Leptonychotes weddellii</i>) in the Erebus Bay Amy Klink, Michelle Shero, Jennifer Burns, Brandon Briggs, Allyson Hindle

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458: Response of An African Fruit Bat to Immunization with Ebola Virus-Like Particles	Lisa Powers , Luis Viquez-R, Imran Ejotre, Kasim Adiga, Dennis Foe Anguyo, Faith Apilo, Grace Kyaterakera, Oresto Adomati, Michael Lee, Isabel Steinberg, Abby Shapiro, Jack Sutton, Nasifu Lubanga, Morgan Andama, Alfred Alumai, Kenneth Field, DeeAnn Reeder
459: Is sea otter harvest correlated with their population spread and abundance in southeast Alaska	Jillian Schuyler , Perry Williams, Joseph Eisaguirre, Paul Schuette, Sarah Hanchett, Brad Benter
460: A skeletal correlate for herbivory?	Nicholas Ryan , Jonathan Keller, Felisa Smith
461: Initial study of <i>Neotoma mexicana</i> and <i>N. albigula</i> gastrointestinal tract morphology and microbiome composition	Gilma De Leon , Nathan Upham
462: Uncovering historical rodent biodiversity among the Madrean Sky Islands of the southwestern US and Mexico	Damien Rivera , Nathan Upham
463: Gut microbiota and obesity: is there a protective role for <i>Akkermansia muciniphila</i>	Travis Jennings , Hailei Nystuen , Nathan Witman, Jewel Zur Tulod, Courtney Kurtz, Khristyne Duddleston
464: Cranial shape and size variation in the least chipmunk (<i>Tamias minimus</i>)	Donavan Jackson , Sharlene Santana
465: Leveraging genetics and predictive models to understand patterns of river otter distribution and connectivity	William McDonald , Merav Ben-David
466: Diet analysis of Neills long tail giant rat <i>Leopoldamys neilli</i> (Marshall, 1976) using DNA metabarcoding	Thongchai Ngamprasertwong , Sirikorn Sripho, Julien Claude
467: Influence of inselbergs on bat faunal diversity in Tropical ecosystems	Amanda Grunwald , Terrence Demos, Courtney Volk, Franck Meyo Okono, Patrick Atagana, Daniel Ballhorn, Tigga Kingston, Eric-Moise Bakwo Fils, Ian Bevers, Arnaud Talla, Winifred Frick, Bruce Patterson, Luis Ruedas
468: The University of Alaska Museums mammal collection: Growth, use, and future potential	Jessica Cornelius , Link Olson, Aren Gunderson, Marissa Breslin
469: Using eDNA metabarcoding to characterize mammal use of streams and springs in the US-Mexico borderlands	Catherine Benson , Matthew Valente, Daniel Ford, Ganesh Marin, Melissa Merrick
10:00 PM	Poster Social IV – Idlughet 1 & 2

Presenting Author in Bold

THURSDAY, JULY 20TH, SYMPOSIUM 17
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (HALF DAY)
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Symposium 17 -- Recent Advances in the Conservation of African Mammals, Part 1 – Idlughet 3
Introduction Jacob Goheen , Link Olson	
470: Species limits in red-nosed mice reinforce the São Francisco River as a major biogeographic barrier Pablo Gonçalves , Camilla Di-Nizo, Ana Lazar, Carlos Cunha-Filho, Alexandra Bezerra, Elkin Suárez-Villota, Leila Pessôa, Maria José Silva, Cibeles Bonvicino	
471: Introduced pathogens and conservation: disentangling transmission between carnivores in Madagascar. Fidisoa Rasambainarivo , Benjamin Rice, Santatriniana Randrianarisoa, Olivier Rasolofoniaina, C. Jessica Metcalf	
9:30 AM	Break – Various Locations
10:00 AM	Symposia 17, 19 – Idlughet 3; Tikahtnu A
10:00 AM	Technical Sessions 36, 37, 38, 39, 40 -- Tikahtnu B, C, D, and E/F; Kahtnu 2

Presenting Author in Bold

THURSDAY, JULY 20TH, SYMPOSIUM 18
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (HALF DAY)
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Symposium 18 -- Data integration for studying mammal populations – Tikahtnu A
472: Data integration across the Internet of Animals Roland Kays , Christen Fleming, Arielle Parsons, Krishna Pacifici, Martin Wikelski	
473: A multispecies hierarchical model to integrate count and distance sampling data Neil Gilbert , Caroline Blommel, Matthew Farr, David Green, kay Holekamp, Elise Zipkin	
474: Forecasting recolonization dynamics of wolves through an integrated population model with individual-based movement Beth Gardner , Lisanne Petracca, Ben Maletzke, Sarah Converse	
475: Population density and vegetation growth effects on long-term population performance in mountain rodents Anouch Tamian , Vincent Viblanc, F. Stephen Dobson, Claire Saraux	
476: Integrated age-at-harvest model linking harvest and research data to estimate black bear abundance and demographics Nathan Hostetter , Jennifer Vashon, Matthew O'Neal, Angela Fuller, Sarah Converse	
Panel Discussion Roland Kays	
9:30 AM	Break – Various Locations
10:00 AM	Symposia 17, 19 – Idlughet 3; Tikahtnu A
10:00 AM	Technical Sessions 36, 37, 38, 39, 40 -- Tikahtnu B, C, D, and E/F; Kahtnu 2

Presenting Author in Bold

THURSDAY, JULY 20TH, TECHNICAL SESSION 31
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (HALF DAY)
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Technical Session 31 (Behavior) – Tikahtnu B
477: Males disperse, females remain: revealing the dispersal patterns of Asian black bears through genetic analysis Naoki Ohnishi , Kahoko Tochigi, Tomoko Naganuma, Shinsuke Koike, Koji Yamazaki, Takeshi Osawa	
478: Social and spatial site fidelity of calving locations in woodland caribou Jack Hendrix , Quinn Webber, Eric Vander Wal	
479: Bold woodrats do not cache more gold Michele Skopec , Courtnee Goodwin, Dillon Flowers	
480: Phenological plasticity in reproductive timing of a hibernating mammal experiencing climatic change Caitlin Wells , Dirk Van Vuren	
481: Multi-scale habitat selection of desert bighorn sheep and sympatric non-native Barbary sheep in west Texas James Cain , Grace Parikh, Jose Etchart, Ryan O'Shaughnessy, Louis Harveson, Carlos Gonzalez, Froylan Hernández	
482: Acoustic disturbance in diving northern elephant seals: venous blood temperature and control of perfusion Allyson Hindle , Birgitte McDonald, Markus Horning, Holger Klinck, Paul Ponganis, Dan Costa, Cassandra Williams	
9:30 AM	Break – Various Locations
10:00 AM	Symposia 17, 19 – Idlughet 3; Tikahtnu A
10:00 AM	Technical Sessions 36, 37, 38, 39, 40 -- Tikahtnu B, C, D, and E/F; Kahtnu 2

Presenting Author in Bold

THURSDAY, JULY 20TH, TECHNICAL SESSION 32
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (HALF DAY)
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Technical Session 32 (Biogeography) – Tikahtnu C
483: Ecomorphology in <i>Peromyscus sonoriensis</i> (Rodentia) Bruce Buttler , Rebecca Bingham-Byrne, Darren George	
484: Carnivoran dietary traits as an ecometric to evaluate ecosystem disruption Leila Siciliano-Martina , Jenny McGuire, A. Michelle Lawing	
485: Environmental suitability in the late Quaternary explains genetic diversity in Tassel-eared Squirrels (<i>Sciurus aberti</i>) Norma Alicia Hernandez Hernandez, Ángel Luis Robles Fernández, Justin R. baez, Nathan Upham	
486: Assessment of gene flow and biogeographic patterns in <i>Artibeus fraterculus</i> (Chiroptera: Phyllostomidae) in South America Natalia Cortes-Delgado , Roberta Mason-Gamer, Bruce Patterson	
487: Bibliogeography of two North American alpine mammals and the need for geographically expansive field studies Mallory Gulbranson , Link Olson	
488: Federal eradication of a distinct island population of marmots from an Alaskan wildlife refuge Link Olson , Hayley Lanier, Nick Kerhoulas, Massatti Rob, Qixin He, Lacey Knowles	
9:30 AM	Break – Various Locations
10:00 AM	Symposia 17, 19 – Idlughet 3; Tikahtnu A
10:00 AM	Technical Sessions 36, 37, 38, 39, 40 -- Tikahtnu B, C, D, and E/F; Kahtnu 2

Presenting Author in Bold

THURSDAY, JULY 20TH, TECHNICAL SESSION 33
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

8:00 AM	Technical Session 33 (Community Ecology) – Tikahtnu D
	489: Forest composition shapes seed-rodent interactions in a gradient of broadleaves and conifers Pedro Mittelman , Scott Appleby, Niko Balkenhol
	490: Changes in small mammal abundance distributions following the end-Pleistocene loss of large mammal ecosystem engineers Kate Lyons , Catalina Tome, Nicholas "Nick" Freymueller, William Gearty, Jonathan Keller, Melissa Pardi, Emma Elliott Smith, Felisa Smith, Quentin Smith, Peter Wagner
	491: Small mammal successions in "islands" of Australian coastal heathland after fire, clearing and sandmining Barry Fox
	492: Explaining small mammal community variation in a temperate forest in Northern Patagonia Maria Rivarola , Daniel Simberloff, Juan Morales
	493: Destabilization of Arctic sea ice reveals unexpected adaptive plasticity in a novel prey-predator dynamic Joel Berger , Cynthia Hartway, Matthew Gompfer, Barry Noon, Alexander Gruzdev, Forest Hayes, Joanna E. Lambert
	494: Turnover species retain mammalian communities in highly fragmented landscapes Mayara Beltrao , Ana Carmignotto, Maria Jorge, Mauro Galetti
9:30 AM	Break – Various Locations
10:00 AM	Symposia 17, 19 – Idlughet 3; Tikahtnu A
10:00 AM	Technical Sessions 36, 37, 38, 39, 40 -- Tikahtnu B, C, D, and E/F; Kahtnu 2

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THURSDAY, JULY 20TH, TECHNICAL SESSION 34
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

8:00 AM	Technical Session 34 (Evolutionary Biology) – Tikahtnu E/F
495: Marsupial position on life-history continua Mariana Ferreira , Christopher Dickman, Diana Fisher, Marcos Figueiredo, Marcus Vieira	
496: Genetic variation in <i>Thomasomys fumeus</i> (Cricetidae, Sigmondontinae). Thomas Lee	
497: Disentangling genetic vs. maternal control of environmentally adaptive phenotypes in house mice (<i>Mus musculus domesticus</i>). Sylvia Durkin , Michael Nachman	
498: Giant mice on small islands: mechanisms of gigantism in <i>Peromyscus maniculatus</i> Gulf Island populations Rachel Berg , Pirmin Nietlisbach	
499: Comparative landscape genetics of brown and American black bears in Southeast Alaska Philip Douchinsky , Anthony Crupi, Emily Puckett	
500: Antimicrobial protection of immunologically underdeveloped marsupial neonates Jongbeom Park , Aellah Kaage, Mohamed S. Donia, Ricardo Mallarino	
9:30 AM	Break – Various Locations
10:00 AM	Symposia 17, 19 – Idlughet 3; Tikahtnu A
10:00 AM	Technical Sessions 36, 37, 38, 39, 40 -- Tikahtnu B, C, D, and E/F; Kahtnu 2

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THURSDAY, JULY 20TH, TECHNICAL SESSION 35
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

7:00 AM	Registration (ALL DAY) -- 3rd Floor Foyer
8:00 AM	Vendor Show (HALF DAY)
8:00 AM	Virtual Poster Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Virtual Technical Session (ALL DAY) -- On-Demand (X-CD Platform)
8:00 AM	Technical Session 35 (Wildlife Management) – Kahtnu 2
501: Killing of large carnivores to increase hunter harvests of ungulates in Alaska: does it work? Sterling Miller, David Person, Terry Bowyer	
502: Mule deer (<i>Odocoileus hemonius</i>) space-use on Utah restored lands. Jack Rasmussen, Erica Stuber, Danny Summers, Kent Hersey	
503: Animal ethics and welfare principles underpinning lethal management of human-wildlife conflicts Benjamin Allen	
504: Efficacy and physiological effects of novel drug combinations used to immobilize free-living African lions Ashleigh Donaldson, Andrea Fuller, Peter Buss, Leith Meyer	
505: How stressful - a brave new (human dominated) world for wildlife Andre Ganswindt	
506: Wild herbivores enhance resistance to invasion by exotic cacti in an African savanna Harry Wells, Ramiro Crego, Jesse Alston , Kimani Ndung'u, Leo Khasoha, Courtney Reed, Abdikadir Hassan, Samson Kurukura, Jackson Ekadeli, Mathew Namoni, Peter Stewart, Duncan Kimuyu, Amelia Wolf, Truman Young, Tyler Kartzinell, Todd Palmer, Jacob Goheen, Robert Pringle	
9:30 AM	Break – Various Locations
10:00 AM	Symposia 17, 19 – Idlughet 3; Tikahtnu A
10:00 AM	Technical Sessions 36, 37, 38, 39, 40 -- Tikahtnu B, C, D, and E/F; Kahtnu 2

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THURSDAY, JULY 20TH, SYMPOSIUM 17, PART 2
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Symposium 17 -- Recent Advances in the Conservation of African Mammals, Part 2 – Idlughet 3
	507: African lion conservation in a changing landscape Thandiwe Mweetwa
	508: Evidence-based conservation of hirola antelope in eastern Kenya Abdullahi Ali, Jacob Goheen
	509: A new age of discovery for African mammals: are we golden yet? Iroro Tanshi
	Panel Discussion Jacob Goheen, Link Olson
11:30 AM	ASM Committee Meeting (Program) -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
1:30 PM	Symposia 20, 21 – Idlughet 3; Tikahtnu A
1:30 PM	Technical Sessions 41, 42, 43, 44 -- Tikahtnu B, C, D, E/F

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THURSDAY, JULY 20TH, SYMPOSIUM 19
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Symposium 19 -- Application of CT technology in natural history collections to better understand mammals: ecology, evolution, and morphology – Tikahtnu A
	510: Going digital - expanding the footprint of natural history collections through CT data Cody Thompson , Noé de la Sancha
	511: How CT scanning museum specimens can facilitate student research and public engagement & outreach. Ramon Nagesan , Ellen R. Cassidy, Hayley L. Crowell, Jenna M. Crowe-Riddell, Alison Davis Rabosky, Hernán López-Fernández, Ashley Gorris, Andrew Heur, Abraham Kassem, Jada Lin, Haley M. Martens, Shion Otsuka, Daniel L. Rabosky, Rhea Rajani, Molly Rose, Natasha Stepanova, Manmeet Singh, Lydia Thomas, Cody Thompson
	512: Applications of computed tomography (CT) to mammal research Noé de la Sancha , Cody Thompson
	513: Leveraging natural history collections to understand rodent diversity and distributions in a changing world Jessica Light , Brandy Craft, Haley Ellis, Ira Greenbaum, Natalie Hamilton, Leila Siciliano-Martina, Sharon Jansa
	514: Masticatory muscle morphology of the hocicudo mouse (<i>Oxymycterus</i>, Sigmodontinae), with comparative notes on carnivorous rodents Rafaela Missagia , Diogo dos Santos, Miguel Laper, Bruce Patterson, Fernando Perini
	515: Sinuses revealed: implications in systematics of ctenohystrican rodents Heitor Bissoli-Silva , Marcos Ângelo Alves Filho, Léa da Cunha, Lionel Hautier, Alexandre Percequillo, Joyce Prado, Pierre-Henri Fabre
	Panel Discussion Cody Thompson , Noé de la Sancha
11:30 AM	ASM Committee Meeting (Program) -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
1:30 PM	Symposia 20, 21 – Idlughet 3; Tikahtnu A
1:30 PM	Technical Sessions 41, 42, 43, 44 -- Tikahtnu B, C, D, E/F

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THURSDAY, JULY 20TH, TECHNICAL SESSION 36
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Technical Session 36 (Behavior) – Tikahtnu B
516: Movement patterns of spotted hyenas reintroduced to the Tswalu Kalahari Reserve Haemish Melville , Nichola Knox	
517: Shedding light on the ecology of bearded pigs (<i>Sus barbatus</i>) in Brunei Darussalam Jessica Comley , Siti Salwa Abd Khalid, T. Ulmar Grafe	
518: Analysis of group size dynamics of Mongolian gazelles using video camera collars and machine learning Taro Shimizu , Takehiko Ito, Lina Koyama, Dale Kikuchi, Munkhbat Uuganbayar, Buyanaa Chimeddorj	
519: Fission-fusion dynamics in white-nosed coatis Emily Grout , Ben Hirsch, Josué Ortega, Meg Crofoot, Ariana Strandburg-Peshkin	
520: Bat community composition of bridges spanning the Rio Grande River Daniel Ibanez , Teri Orr	
521: The effects of within and between-group competition on home range size in white faced capuchins Odd Jacobson , Meg Crofoot, Brendan Barrett, Genevieve Finerty, Susan Perry	
11:30 AM	ASM Committee Meeting (Program) -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
1:30 PM	Symposia 20, 21 – Idlughet 3; Tikahtnu A
1:30 PM	Technical Sessions 41, 42, 43, 44 -- Tikahtnu B, C, D, E/F

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THURSDAY, JULY 20TH, TECHNICAL SESSION 37
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Technical Session 37 (Genetics) – Tikahtnu C
522: Evolved invasiveness contributing to the spread of wild pigs within the United States	Niek Barmantlo, Patrick Meirmans, William Stiver, Joseph Yarkovich, Blake McCann, Antoinette Piaggio, Timothy Smyser , Mirte Bosse
523: Does biogeographic history provision adaptive variation? A case study of bank voles in Britain	Marcos da Cruz , Silvia Markova, Marco Escalante, Jeremy Searle, Petr Kotlik, Hayley Lanier
524: Population genetic structure of Townsend's big-eared bats in the western United States	Katelyn Sanchez , Natalie Hamilton, Jessica Light, Michael Morrison
525: Fine-scale local adaptation in snowshoe hare populations across seasonal environments	Cynthia Ulbing , Timothy J. Thurman, L. Scott Mills, Jeffrey M. Good
526: Use of whole genome sequencing to investigate the evolutionary history of island spotted skunks	Julia Owen-Ramos , Cate Brown Quinn, Ellie Bolas, Dirk Van Vuren, Benjamin Sacks
527: Insights into the evolution of reproductive isolation: contrasting hybridization patterns in two hedgehog contact zones	Barbora Cerna Bolfikova , Kristyna Eliasova, Jose Ignacio Lucas Lledo, Jose Horacio Grau, Pavel Hulva
11:30 AM	ASM Committee Meeting (Program) -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
1:30 PM	Symposia 20, 21 – Idlughet 3; Tikahtnu A
1:30 PM	Technical Sessions 41, 42, 43, 44 -- Tikahtnu B, C, D, E/F

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THURSDAY, JULY 20TH, TECHNICAL SESSION 38
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Technical Session 38 (Natural History) – Tikahtnu D
528: Reconsidering subspecific taxonomy of <i>Odocoileus virginianus</i> in Oregon and Washington	
Winston Smith , Leslie Carraway, Thomas Gavin, Jon Jenks	
529: African wild dog movement and space-use in a system with depleted prey and dominant competitors	
Ben Goodheart , Scott Creel, Matthew Becker	
530: Exploring the small mammals diversity in the northwestern Amazon of Colombia	
Darwin M. Morales Martínez , Catalina Cardenas Gonzalez, Miguel E. Rodríguez Posada, Héctor E. Ramírez-Chaves	
531: Early allocation to growth and reproduction affects asymptotic size and growth in eastern grey kangaroos	
Kelly Forrester , Marco Festa-Bianchet, Andrew Macdonald	
532: Life in the slow lane for rufous elephant shrews: life histories of Kenyan small mammals	
Katherine Garrett , Leo Khasoha, Rhiannon Jakopak, George Opiyo, Jacob Goheen	
533: Ranges Digitization Network - Extending mammal specimens in western North America	
David Bloom , Bryan McLean, Sharlene Santana, Edward Davis, Robert Guralnick	
11:30 AM	ASM Committee Meeting (Program) -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
1:30 PM	Symposia 20, 21 – Idlughet 3; Tikahtnu A
1:30 PM	Technical Sessions 41, 42, 43, 44 -- Tikahtnu B, C, D, E/F

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THURSDAY, JULY 20TH, TECHNICAL SESSION 39
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Technical Session 39 (Physiology) – Tikahtnu E/F
534: Tracking seasonal nitrogen dynamics in a browsing ungulate: female moose in boreal forest John Crouse , Perry Barboza, Rachel Shively, Thomas McDonough	
535: Assessing the effects of snow depth on browser nutrition and foraging with nutritional geometry Juliana Balluffi-Fry , Stan Boutin	
536: Reproductive energy budgets of a wild hibernating mammal (<i>Urocitellus columbianus</i>) Adriana Guerrero-Chacon , Jeffrey Lane	
537: Climate change is altering the physiology and seasonal timing in hibernating arctic ground squirrels Brian Barnes , Helen Chmura, Charles Buck, Cassandra Duncan, Grace Burrell, Cory Williams	
538: Episodic hyperabundant food removes pressure to adapt compensatory growth strategies for late-born red squirrels Dylan Baloun , April Robin Martinig, Andrew McAdam, Ben Dantzer, Stan Boutin, Jeffrey Lane	
539: Nutrient limitation cues ontogeny shift to maintain future reproduction: Implications for variable intra-species morphology Levi Heffelfinger , Ryan Reitz, Deanna Pfeffer, David Wester, Randy DeYoung, David Hewitt	
11:30 AM	ASM Committee Meeting (Program) -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
1:30 PM	Symposia 20, 21 – Idlughet 3; Tikahtnu A
1:30 PM	Technical Sessions 41, 42, 43, 44 -- Tikahtnu B, C, D, E/F

Presenting Author in Bold

THURSDAY, JULY 20TH, TECHNICAL SESSION 40
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

10:00 AM	Technical Session 40 (Population Ecology) – Kahtnu 2
540: Spatial ecology and demography of the arboreal marsupial <i>Dromiciops gliroides</i> in a temperate rainforest	Francisco Fonturbel , Isidora Camus, Roberto Nespolo
541: Stable isotopes, immunology and condition of resident and migratory <i>Tadarida brasiliensis</i>: a comparison	Jacob Martinez , Teri Orr
542: Timing of rainfall influences offspring quality of a large herbivore in a semi-arid environment	Miranda Hopper , Bryan Spencer, Randy DeYoung, Aaron Foley, Alfonso Ortega-S, Tim Fulbright, David Hewitt, Landon Schofield, Tyler Campbell, Michael Cherry
543: Disease and population density interact to naturally regulate African elephants	Charles Foley , Eric Hileman, Arielle Parsons, Lara Foley, Lisa Faust
544: Pronghorn movement in eastern Oregon	Jerrold Merrell , Kelley Stewart, Don Whittaker
545: Potential impacts of black bear predation on boreal caribou population dynamics	Liam Horne , Craig DeMars, Melanie Dickie, Rob Serrouya, Stan Boutin
11:30 AM	ASM Committee Meeting (Program) -- K'eneakatnu Boardroom
11:30 AM	Lunch -- On Your Own
1:30 PM	Symposia 20, 21 – Idlughet 3; Tikahtnu A
1:30 PM	Technical Sessions 41, 42, 43, 44 -- Tikahtnu B, C, D, E/F

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THURSDAY, JULY 20TH, SYMPOSIUM 20
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Symposium 20 -- Integration of physiological principles in predicting mammalian responses to a changing world – Idlughet 3
546: Integration of physiological principles in predicting mammalian responses to a changing world Danielle Levesque , Justin Boyles, Andrea Fuller	
547: Climate change, immune response and flight performance of bats ariovaldo cruz-neto , Matheus Viola, L. Gerardo Herrera M., Lucas Carneiro, Leandro Monteiro	
548: Reindeers' physiological responses to environmental variation in a changing Arctic Liv Monica Trondrud	
549: Facultative hyperthermia during a heatwave delays injurious dehydration of an arboreal marsupial James Turner	
550: Manipulating physiology to better understand physiological responses to a changing climate Justin Boyles	
551: Investigating physiology and gene expression of the desert-adapted cactus mouse Dani Blumstein , Matthew MacManes	
552: Plasticity and sexual selection maintain phenological synchrony between the sexes in a wild hibernating mammal. Megan Thompson, F. Stephen Dobson, David Coltman, Jan Murie, Shirley Raveh, Jeffrey Lane	
553: Tropical endothermy in a changing world: the energetics of small mammals from Sarawak, Malaysia Danielle Levesque	
3:30 PM	Break – Various Locations
4:00 PM	Capstone Session (Dr. Gladys Kalema-Zikusoka) – Idlughet 3

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THURSDAY, JULY 20TH, SYMPOSIUM 21
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Symposium 21 -- Hot bodies: using wild ungulates to discover the effects of warming environments – Tikahtnu A
	554: Behavior influences thermoregulation of boreal moose during the warm season Daniel Thompson , John Crouse, Perry Barboza, Miles Spathelf, Andrew Herberg, Stephanie Parker, Max Morris
	555: Behavioral thermoregulation differs between male and female moose Rebecca Levine , Tana L. Verzuh, Paul D. Mathewson, Warren P. Porter, Bart Kroger, Corey Class, Kevin Monteith
	556: Diversity of hypometabolic responses to seasonal variations in northern mammals Alina L. Evans , Alexandra Thiel, Boris Fuchs, Anne Randi Græsli, Navinder Singh, Liv Monica Trondrud, Leif Egil Loe, Jon M. Arnemo, Lucie Lemièrè
	557: The relationship between body and testicular temperature in a non-pendulous scrotum Shane Maloney , Dzulsahimi Daud, Dominique Blache
	558: The costs and consequences of flies for moose in the boreal forest of Alaska Bridgett Benedict , Daniel Thompson, John Crouse, Gabriel Hamer, Perry Barboza
	559: The influence of summer phenology on the habitat conditions, behavior, and demography of Arctic caribou Heather Johnson , Elizabeth Lenart, David Gustine, Layne Adams, Perry Barboza, John Severson, Gabrielle Coulombe, William Leacock, Michael Suitor
	560: Direct effects of seasonal heat transfer on body size and growth of <i>Bison bison</i> Hayden Wolfe , Bradly Wehus-Tow, Jameson Brennan, Danielle Buttke, Jeff Martin
	561: Geographic distribution, phylogeny and habitats of moose since the Late Pleistocene in Eurasia Magdalena Niedziałkowska , Danijela Popović, Mateusz Baca, Joanna Gornia, Piotr Chibowski, Krzysztof Stefaniak, Maciej Sykut, Bogdan Ridush, Urszula Ratajczak-Skrzatek, Michał Ostrówka, Michał Golubiński, Paweł Mackiewicz, Małgorzata Suska-Malawska
3:30 PM	Break – Various Locations
4:00 PM	Capstone Session (Dr. Gladys Kalema-Zikusoka) – Ildughet 3

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THURSDAY, JULY 20TH, TECHNICAL SESSION 41
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Technical Session 41 (Behavior) – Tikahtnu B
562: Living in landscapes of fear: Personality and predation risk effects on small mammal habitat selection Margaret Merz , Alessio Mortelliti	
563: Mate choice and the reproductive success of captive New England cottontails (<i>Sylvilagus transitionalis</i>) Hannah Petit , Louis Perrotti, Justin Richard	
564: Impacts of coat color mismatch on snowshoe hares Emily Monk , Michael Peers, Eric Vander Wal	
565: Collective aging: the effects of age-based changes in sociality on social network structure Erin Siracusa , André Pereira, Josefine Bohr Brask, Josué Negron-Del Valle, Daniel Phillips, Michael Platt, James Higham, Noah Snyder-Mackler, Lauren Brent	
566: Does wolf predation risk alter deer browsing intensity and foraging selectivity in tree species? Zbigniew Borowski , Krystian Szreder	
567: Alloparental care in an African ground squirrel and who benefits. Krista Shofstall , Lauren J. LaFlèche, Miyako H. Warrington, Jane Waterman	
568: Social organization and daytime behavior of Cozumelan golden bat (<i>Mimon cozumelae</i>) in Yucatan, Mexico. Kinari Romo-Hernández , María Cristina Mac Swiney González, Jorge Ortega, Gloriana Chaverri, Beatriz del Socorro Bolívar Cimé	
OPEN	
3:30 PM	Break – Various Locations
4:00 PM	Capstone Session (Dr. Gladys Kalema-Zikusoka) – Idlughet 3

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THURSDAY, JULY 20TH, TECHNICAL SESSION 42
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Technical Session 42 (Community Ecology) – Tikahtnu C
569: Changes in co-occurrence structure of North American mammal paleocommunities across the Plio-Pleistocene transition Alexandria Shupinski , Felisa Smith, Kate Lyons	
570: Gone with the wind: pre- and post-tornado comparisons of small mammal communities Steve Sheffield , Carlos Iudica	
571: TWO THREATENED PRIMATES FROM THE EASTERN AMAZONIA: PRIORITY AREAS FOR CONSERVATION Celene Carvalho , Tadeu de Oliveira, Lester Fox-Rosales, Adrian Barnett, Tatiane Cardoso, Gerson Buss	
572: Does land use affect dietary niche relationships between coyotes and bobcats in California? Javier Monzon , Rachel Roberts, Stevi Vanderzwan, Benjamin Sacks	
573: Thats my moose! Kleptoparasitism between two top carnivores in Southeast Alaska Alexandra Lewis , Tania Lewis, Gretchen Roffler	
574: Hydrogen isotopes disentangle climatic and dietary drivers of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ in Great Basin rodents David Taylor , Michael Brawner, Rebecca Terry	
575: The border wall, a highway and a stream influence over mammals on the US-Mexico border Ganesh Marin , Melissa Merrick, Catherine Benson, Matthew Valente, John Koprowski	
576: Distribution and habitat use of free ranging dogs in rural areas in Uruguay Eliana Walker , Jennifer González-Buve, Nicolás Fernández-Sauleda, Giancarlo Pedrini, Elias Guerra, Andrés Canavero, Ariel Farías	
3:30 PM	Break – Various Locations
4:00 PM	Capstone Session (Dr. Gladys Kalema-Zikusoka) – Idlughet 3

Presenting Author in Bold

THURSDAY, JULY 20TH, TECHNICAL SESSION 43
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Technical Session 43 (Conservation) – Tikahtnu D
577: The value of captive wildlife in the conservation of species: the case of sable antelope Mariana Meneses-Ribeiro , Bettine Jansen van Vuuren, Klaus-Peter Koepfli, Raquel Godinho	
578: Species on the move: connectivity modelling across unfragmented terrestrial habitats of Eastern Carpathians Ancuta Fedorca , Mihai Fedorca, Georgeta Ionescu, Ovidiu Ionescu	
579: Conservation and recovery of an endangered Australian mouse Phoebe Burns , Emily Roycroft, Kristy Williams, Marissa Parrott	
580: Connectivity across the glittery lights and solar fields of southern Nevada: a rodent's perspective Sean Neiswenter , Wren Varga	
581: Endangered Carolina northern flying squirrel (<i>Glaucomys sabrinus coloratus</i>) resource selection in high elevation red spruce Katherine Gorman , Corrine Diggins, Christine Kelly, Richard Odom, Michelle Gilley, W. Mark Ford	
582: Sea ice influences polar bear nutrition, visitation frequency to infrastructure, and risk of human-bear conflict Danielle Rivet , Douglas Clark, Ryan Brook	
583: Ecology and status assessment of the Plains Spotted Skunk <i>Spilogale interrupta</i> in Kansas Jenell de la Pena , Daniel Benson, Christine Rega-Brodsky	
584: Grand challenges for recovering boreal populations of threatened bison (<i>Bison bison</i>) Thomas Jung	
3:30 PM	Break – Various Locations
4:00 PM	Capstone Session (Dr. Gladys Kalema-Zikusoka) – Idlughet 3

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THURSDAY, JULY 20TH, TECHNICAL SESSION 44
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

1:30 PM	Technical Session 44 (Taxonomy) – Tikahtnu E/F
585: Naming caribou Lee Harding	
586: Non-invasive and field-based molecular barcoding of mammals using nanopore adaptive sampling Lexi Frank , Evan Kipp, Roxanne Larsen, Laramie Lindsey, Marissa Milstein, Christopher Shaffer, Suzanne Stone, Tiffany Wolf, Peter Larsen	
587: Species limits in Madagascar's endemic tufted-tailed rats (<i>Eliurus</i>) Gabriele Ilarde , Sharon Jansa, Steven Goodman	
588: Two additional Afrotropical horseshoe bat species in the <i>Rhinolophus landeri</i> species complex Bruce Patterson , Paul Webala, Bernard Agwanda, Amanda Grunwald, Laura Torrent, Steven Goodman, Julian Kerbis Peterhans, Luis Ruedas, Javier Juste, Terrence Demos	
589: Systematics of the genus <i>Thalpomys</i> Thomas, 1916 (Rodentia: Cricetidae: Akodontini), a Cerrado endemic: integrative approach Marcus Brandão , Alexandre Percequillo, Alessandra Vama Vieira, Roberta Paresque, Ana Carmignotto	
590: Deep genetic divergence contrasts with phenotypic conservatism in populations of Neotropical pygmy squirrels (<i>Sciurillus pusillus</i>) Edson Abreu , Silvia Pavan, Jesús Maldonado, Alexandre Percequillo	
591: Museomics reveals new insights into the evolutionary history of the subfamily Neotominae Susette Castañeda Rico , Jesús Maldonado, Melissa Hawkins, Cody W. Edwards	
592: Mammal taxonomy over the ages: analysis of species descriptions and updating the Mammal Diversity Database. Connor Burgin , Madeleine Becker, Jane Widness, Jesse Alston, Schuyler Liphardt, Ingrid Rochon, Nathan Upham	
3:30 PM	Break – Various Locations
4:00 PM	Capstone Session (Dr. Gladys Kalema-Zikusoka) – Idlughet 3

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THURSDAY, JULY 20TH, CAPSTONE SESSION
-DENA'INA CONVENTION CENTER, ANCHORAGE, ALASKA-
 -Please note all times are listed in local Alaska time-

4:00 PM	Capstone Session (Dr. Gladys Kalema-Zikusoka) – Idlughet 3
Welcome & Announcements Janet Rachlow	
593: Integrating Health and People in Gorilla Conservation Gladys Kalema-Zikusoka	
5:00 PM	Dinner -- On Your Own
7:00 PM	ASM Awards Ceremony – Anchorage Museum
8:00 PM	Closing Social – Anchorage Museum

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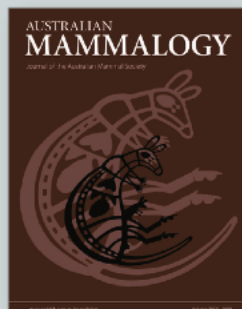
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AUTHOR INDEX

-Please note all abstracts listed with a prefix (V-) are virtual presentations-

Abadi, Fitsum.....	305	Amshokova, Albina	V-09
Abd Khalid, Siti Salwa	517	Anchor, Chris	391
Abdel Moniem, Hossam E.	071	Andama, Morgan	458
Abeid, Alfian	294	Anderson, Cole	266
Abernathy, Heather	373	Anderson, Courtney	112, 118
ABI-SAID, Mounir R.....	355	Androski (she/her), Antonia	427
Abin, Chris	442	Anezaki, Tomoko	V-01
Abrahms, Briana.....	396	Ângelo Alves Filho, Marcos	515
Abreu, Edson.....	590	Antaky, Carmen C.....	054
Achmadi, Anang	031	Anzai, Masayuki.....	210
Adamich, Katelyn	134, 138	Aparecida Mendes da Silva, Gyrlene	197
Adams, Jennifer	249	Apilo, Faith	458
Adams, Layne	559	Apostolopoulos, Tommy	155
Adavoudi, Roya	104	Appleby, Scott.....	489
Adiga, Kasim	458	Arai, Kana	152
Adkins, Casey	447	Arai, Kazumi.....	V-26
Adler, Ella	184	Arbogast, Brian	V-23, V-24
Adomati, Oresto	458	Arce, Fernando	006
Aguirre, Kuponon	054	Areta, Juan.....	V-20
Agwanda, Bernard.....	588	Arias, Juan	423, V-56, V-71
Ahmad, Abdul Hamid	V-43	Armién, Blas.....	063
Ahmadzadeh, Faraham	V-84	Arnemo, Jon M.....	556, V-37
Aihartza, Joxerra	V-48, V-50	Arpon, Karina	V-80
Akashi, Nobuhiro	084	Atagana, Patrick.....	467
Akbarirad, Safie.....	V-77	Atkinson, Stephen.....	252
Al-Lenken, Khalid	228	Attias, Nina.....	168, 169, 173
Albuquerque, George Rego	392	Augusteyn, John	082
Alcosiba, Kailey	054	Auteri, Giorgia	433, 436
Aldasoro, Miren	V-48, V-50	Avenant, Nico.....	208
Ali, Abdullahi.....	508	Avey, Josh	305
Aliabadian, Mansour.....	V-84	Aylward, Cody.....	108
Aliaga-Samanez, Alisa	V-69	Ayumi, Okada	V-07
Aliperti, Jaclyn	332	Ayyagari, Sam.....	110
Allen, Benjamin	503	Azad, Meghan.....	228
Allen, Jennifer.....	032	Azevedo Oliveira Silva, Carina	V-56
Allen, Julie	404	Aztorga Ornelas, Alicia	090
Allen, Maximilian.....	094	B. Takada, Mayura.....	V-01
Almeida, Gabriela	109	Babcock, Loren	V-81
Almonte Milán, Juan N.	008	Baca, Lexi	214
Alston, Jesse	506, 592	Baca, Mateusz	561
Alumai, Alfred	458	BAEK, Seung-Yun	128
Amagai, Yukihiro	307	baez, Justin R.	485
Amaya, Juan	V-20		

Baichtal, James 177
 Bakwo Fils, Eric-Moise 467
 Bal, Xavier 306
 Balčiauskas, Linas V-09
 Balčiauskienė, Laima V-09
 Balkenhol, Niko 489
 Ballhorn, Daniel 467
 Balluffi-Fry, Juliana 535
 Baloun, Dylan 538
 Ban, Takuto 312
 Bando, Takeharu 143
 Bandouchova, Hana 338, 456
 Bangs, Max 068, 430
 Banks, Peter 028, 050, 267, 268, 274
 Banter-McConnell, Jaecy 075
 Barboza, Perry
 254, 256, 534, 554, 558, 559
 Barca, Nicolai 364
 Barillaro, Julian 359
 Barja, Isabel V-46, V-47
 Barmentlo, Niek 522
 Barnes, Brian 537
 Barnes, Brittany 246
 Barnett, Adrian 571
 Barrett, Brendan 521
 Barts, Nick 223
 Bassano, Bruno 395
 Bastille-Rousseau, Guillaume 058
 Bauder, Javan 067
 Bautista, Naim 100
 Bayanmunkh, Ulam-Ornokh V-41
 Beasley, Emily 387
 Beasley, Isabel 110
 Becker, Madeleine 159, 592
 Becker, Matthew 529
 Beckmann, Jon 371
 Bedolla Guzmán, Yuliana 090
 Bedoya-Perez, Miguel 121, 272
 Beery, Annaliese 018, 233, 448
 Behm, Jocelyn 453
 Bell, Kayce 037, 401, 402
 Bell, Kayce 404
 Beltrao, Mayara 109, 494
 Ben-David, Merav 465
 Benedek, Ana Maria V-09, V-11, V-18
 Benedict, Bridgett 558

Benitez Saldivar, Juliana V-20
 Bennett, Nigel 127, 253, V-60
 Bennion, Rebecca V-42
 Benschi, Hanna 409
 Benson, Catherine 469, 575
 Benson, Daniel 583
 Benson-Amram, Sarah 047
 Benter, Brad 459
 Beraki, Leah V-10
 Berg, Rachel 498
 Berg, Rebecca 231
 Berger, Joel 421, 493
 Berger, Melanie 098
 Bergeron, Patrick 102, 277, 303
 Bevers, Ian 467
 Bezerra, Alexandra 429, 470
 Bianchi, Rita 070, V-45
 Biardi, Katherine 097
 Bieber, Claudia 278
 Biernacki, Spenser 031, 077
 Bingham-Byrne, Rebecca 483
 Bischoff, Kathryn 161
 Bisi, Francesco V-70
 Bissett, Charlene 132
 Bissoli-Silva, Heitor 515
 Bjarnason, Asgeir 455
 Blache, Dominique 557
 Bleich, Vernon 318
 Blommel, Caroline 473
 Bloom, David 533
 Bloomer, Paulette 127
 Blum, Marcus 406
 Blumstein, Dani 551
 Boeraş, Ioana V-11
 Boessenecker, Robert V-42
 Bogan, Michael 067
 Bogdanowicz, Wiesław 104
 Bohr Brask, Josefina 565
 Bolas, Ellie 526
 Bolívar Cimé, Beatriz del Socorro 568
 Bonilla, Alejandra V-74
 Bonvicino, Cibeles 429, 470
 Boone, Sara 350
 Boonstra, Rudy 113
 Borges-Martins, Márcio 197
 Bornbusch, Sally V-57

Borowik, Tomasz	389	Brook, Ryan	582
Borowski, Zbigniew	313, 566	Broto, Bayu	358
Borstelmann de Oliveira, Maria Adélia	270	Brown, Alexis	182
Bosco, Isabella	126	Brown, Joel	120, 242
Bösing, Britta	133	Brown, Joel	243
Bosse, Mirte.....	522	Brown, Joel	380
Botta, Silvina	197	Brown, Rebecca.....	079
Bottenberg, Kimberly	270	Brown Quinn, Cate.....	101, 526
Bouery, Rita.....	355	Brownlee, Megan	303
boutin, stan	016, 113, 257, 275, 276, 393, 535, 538, 545, V-65	Bruemmer, Jason.....	087
Bovendorp, Ricardo.....	359	Brummer, Stacey	139
Bowyer, Terry	405, 406, 501	Bryan, Averill.....	198
Boyce, Mark.....	408	Bryjova, Anna.....	428
Boyd, Emily.....	361	Brzeski, Kristin	101, V-73
Boyle, Scott	305	Brzeziński, Marcin.....	216
Boyles, Justin	080, 546, 550	Brzozowski, Ryan	414
Bozzi, Natalee	119	Buck, Charles.....	174, 176, 258, 537
Brack, Darwin	080	Buecher, Deborah.....	066
Brack, Virgil	080	Bufliloski, Joseph	249
Braczkowski, Alexander	029	Buitrago Torres, Diana Lucia	V-36
Bradfute, Steven.....	075	Bump, Joseph.....	287, 386
Braga, Amanda	V-56, V-71, V-79	Burger, Robbie.....	337
Braga, Caryne	423, V-52, V-56, V-71, V-79	Burgin, Connor.....	592
Brambilla, Alice.....	395	Burke, Kayli.....	158
Branco, Jonathan	148	Burneo, Santiago	379
Brandão, Marcus	589	Burnett, Alexandra	V-64
Brandt, Colette	285	Burns, Jennifer.....	457
Braude, Stan	232, 374	Burns, Phoebe	579
Braun de Torrez, Elizabeth.....	384	Burrell, Grace.....	537
Bravo Morante, Guillermo	V-67	Burton, Cole	330
Brawner, Michael.....	574	Busby, Izzy.....	191
Breckheimer, Ian	332	Buskirk, Jessica	415
Breed, Greg.....	045	Buss, Gerson	571
Brehm, Allison	350	Buss, Peter	504
Brennan, Jameson	560	Buttke, Danielle.....	560
Brenner, Lara	V-31	Buttler, Bruce	483
Brent, Lauren.....	565, V-58	Button, Timothy.....	085
Breslin, Marissa	468	Byamungu, Robert M.....	195
Bresnan, Claire.....	281	Byer, Nathan	447
Briggs, Brandon.....	457	Caballero, Susana	110
Britt, Charles.....	078	cabrol, jory	314
Brohman, Miranda	158	Cain, James	078, 305, 481
Bromaghin, Jeffrey	040	Calderón Acevedo, Camilo	098
		Caldwell, Molly	282
		CALIXTO CAMPINA, ANA.....	V-27
		Calvente, Alice	V-35

Camenisch, Glauco	V-73	Chimimba, Chris	127
Campbell, Tyler	360, 542	Chipps, Austin	031
Camus, Isidora	540	Chiyo, Patrick	386
Can, Ozgun Emre	V-59	Chmura, Helen	537
Canavero, Andrés	576	Choi, Chang-Yong	185, 194
Candido, Franciele	070	Choi, Seoyun	185, 194
Canode, Ashlynn	145	Christian, Amelia	256
Canton, Roberta	031	Christie, Katherine	285
Cardenas Gonzalez, Catalina	530	Chua, Marcus	431
Cardoso, Tatiane	571	Chun, Myung-Sun	215
Carlson, Ben	283	Cic, Niculina Viorica	V-11
Carmagnini, Alberto	101	Cichocki, Jan	V-09
Carmignotto, Ana	109, 494, 589	Clark, Douglas	582
Carnahan, Anthony	256	Clark, Rulon	V-83
Carneiro, Lucas	099, 547	Class, Corey	555
Caro, Catherine	V-73	Claude, Julien	466
Carraway, Leslie	528	Clees, Emily	361
Carter, Wales	073	Cloutier, Zachary	412
Carthey, Alexandra	028	Clutton-Brock, Tim	227, 394
Carvalho, Celene	571	Cmokova, Adela	338
Cassidy, Ellen R.	511	Cobos, Marlon E.	063
Castañeda Rico, Susette	591	Cobos-Mayo, Marina	V-69
Castellote, Manuel	034	Cocîrlea, Denisa Maria	V-11
Castleberry, Steven	246	Coconis, Alexandra	065
Cen, Peng	151	Coda, José	V-63
Cepeda-Duque, Juan Camilo	V-74	Cofrin, Morgan	033
Cerna Bolfikova, Barbora	527	Cohen, C. Sarah	110
Chagas, Maria Clara	365	Colella, Jocelyn	063, 105, 404
Chaing, Claire	126	Collins, Clint	238
Chakrabarti, Stotra	287, 386	Collins, Paul	385
Chamaillé-Jammes, Simon	269	Coltman, David	552
Chandler, Richard	373	Comer, Sarah	085
Chapman, Olivia	136	Comley, Jessica	517
Chaverri, Gloriana	568	Conner, L. Mike	373
Chavez, Andreas	V-77	Connors, Patrice K.	130, 184, 446
Cheeseman, Amanda	098, 137	Conroy, Chris	179, 433, 436
Chen, Hsiang Ling	V-44	Constantino, Wendel	V-56, V-79
Chen, Shuyin	219	Conti, Isabela	344
Cheng, Tina	066	Contreras, Facundo	V-63
Cherry, Michael		Converse, Sarah	474, 476
.....	266, 352, 360, 362, 373, 542	Cook, Joseph ...	063, 075, 106, 183, 214, 247, 309, 326, 399, 400, 401, 404, 427, 450
Chestnut, Tara	012	Cook, Kimberly	337
Cheviron, Zachary	100	Cooke, Siobhan	008
Chibowski, Piotr	561	Coombs, Ellen	V-42
Chimeddorj, Buyanaa	117, 518, V-15		
Chimienti, Marianna	V-39		

Cooper, Monica	301	D'Anatro, Alejandro.....	310
Cope, Holly	262	D'Angelo, Gino J.	352
Coppolaro, Veronica.....	207	D'arc, Mirela.....	V-52
Cordeiro-Estrela, Pedro.....	109	D'Elia, Guillermo	100, 149, 310
Corkeron, Peter	045	da Costa, Leticia	359
Cornelison, Christopher.....	079	da Costa Neto, Sócrates.....	V-80
Cornelius, Jessica	468	da Cruz, Marcos.....	523
Corrêa Oliveira, Vinícius.....	V-27	da Cunha, Léa	515
Cortes-Delgado, Natalia	486	da Silva, Nathália	V-80
Costa, Dan	482	da Silva Coelho, Flavio Augusto	177
Costello, Cecily.....	292	Dalapicolla, Jeronymo.....	426
Costelloe, Blair	280	Dalton, John.....	378
Coulombe, Gabrielle.....	559	Danilewicz, Daniel.....	197
Couzin, Iain	280	Danks, Alan.....	085
Cove, Michael.....	206, 336, 445	Dantzer, Ben....	016, 174, 257, 275, 276, 375, 538, V-65
Cove, Michael V.	451	Dart, Marlin	304, 362
Cox, Amanda.....	076	Daud, Dzulsahimi.....	557
Cox, John	155	Davalos, Liliana.....	009, 182
Craft, Brandy	513	David, Milda	259
Cramer, Catie	228	Davies, Mallory	066
Crandall, Kelly	336	Davis, Chelsea.....	256
Crawford, Christopher	V-02	Davis, Edward.....	533
Crawford, Justin.....	040	Davis Rabosky, Alison	511
Creel, Scott.....	281, 529	Dawaasuren, Delgerchimeg.....	089
Crego, Ramiro	506	de la Pena, Jenell	583
Crespo-Vallés, Julia	169	de la Sancha, Noé	137, 510, 512
Crim, Grace	372	De Leon, Gilma.....	461
Cristina Correia Gonçalves, Luana	V-27	de Lima, Williane.....	V-35
Crofoot, Meg.....	519, 521	de Mel, Ruvinda	172
Crouse, John	534, 554, 558, V-39	de Melo, Leonardo	270
Crowe-Riddell, Jenna M.	511	de Mendonça, Philippe	V-09
Crowell, Hayley L.....	511	De Moor, Delphine	V-58
Crowell (she/her), Miranda	024	de Oliveira, Tadeu....	571, V-13, V-22, V- 27, V-30, V-32, V-33, V-34, V-62, V-74
Crowther, Mathew	027, 121	de Oliveira Drummond, Leandro.....	423, V-56
Crupi, Anthony.....	499	De Vleeschouwer, Kristel.....	392
cruz-neto, ariovaldo	547	de-Oliveira-Nogueira, Carlos	V-79
Csanády, Alexander	V-09	Dearing, M. Denise	181, 223
Cserkesz, Tamas.....	V-66	DeCandia, Alexandra.....	V-31, V-73
Cuéllar Soto, Erika	V-61	del Carlo, Robert.....	181
Cunha-Filho, Carlos	470	Del-Rio, Glaucia.....	031
Cunningham, Calum.....	096	Delaney, David.....	016
Cunningham, Curry	034	DeLuca, Alexandra	V-24
Cunningham, Stephanie.....	381	DeMars, Craig.....	545
Cuozzo, Frank	170, 378		
Czenze, Zenon	172		

Demartsev, Vlad	048	D'Cruze, Neil	V-59
Demboski, John	106, 427, 433, 436	Eason, Perri	V-12
Demos, Terrence	467, 588	Eastman, Bree	325
Denda, Tetsuo	193	Edelman, Andrew	079
Derieg, Katrina	033, 074, 321	Edwards, Cody W.	159, 591
DeSantis, Larisa	217	Edwards, Lucas	441
Desbiez, Arnaud	168	Egan, Michael	058
Deshpande, Adwait	280	Eichholz, Michael	058
Devineau, Olivier	V-39	Eisaguirre, Joseph	459
deVos, James	305	Eisen, Jonathan	225
DeYoung, Charles	266	Eitel, Jan	162
DeYoung, Randy	266, 360, 362, 539, 542	Eizirik, Eduardo	V-68, V-74
Di-Nizo, Camilla	470	Ejotre, Imran	458
Dias de Oliveira, Eduardo	380	Ekadeli, Jackson	506
Dickie, Melanie	356	Eliasova, Kristyna	527
Dickie, Melanie	545	Eliseu Aquino, Francisco	197
Dickman, Christopher	262, 495	Elizalde-Arellano, Cynthia	211
Diefenbach, Duane R.	361	Elliot, Nic	029
Diggins, Corrine	581	Elliott Smith, Emma	180, 385, 490
Dillon, Danielle	258	Ellis, Haley	513
Dinca, Lucian	264	Ellis, Julie	260
Dizney, Laurie	130	Ellis, Samuel	V-58
Doan, Karolina	104	Ellwood, Elizabeth	444
Dobson, F. Stephen	475, 552	Emery-Wetherell, Meaghan	250
Dolar, M. Louella L.	110	Endo, Yu	204
Dolphin, Jeff	089	Engel, Monica	165
Donaldson, Ashleigh	504	Enkhbat, Enkhmaa	V-41
Donia, Mohamed S.	500	Erb, John	013
Doran, Greg	076	Erb, Liesl	130
dos Santos, Diogo	514	Eriksen, Ane	V-39
Dotterweich, Courtney	322	Eriksson, Charlotte	032
Douchinsky, Philip	499	Escalante, Marco	523
Doyle, Vinson	077	Escalona, Merly	179
Drake, Michael	069	Esmaeili, Saeideh	369
Driscoll, Carlos	V-73	Esselstyn, Jake	031, 077
Driscoll, Isabel	048	Estima, Sergio	197
Duddleston, Khrystyne	324, 463	Etchart, Jose	481
Duggan, Jenny	130, 137, 251	Etnier, Michael	180, 382
Duncan, Cassandra	537	Evans, Alina L.	455, 556, V-37, V-39
Dunnum, Jonathan ...	063, 075, 326, 450	Evans, Maldwyn	081
Durkin, Sylvia	497	Fabila Blanco, Alejandra	090
Dwinnell, Samantha	349	Fabre, Pierre-Henri	245, 515, V-60
Dyal, Jordan R.	352	Facka, Aaron	260, 289
Dyck, Marissa	145, 167	Fadini, Rodrigo	001
Dymit, Ellen	036, 039	Fairbanks, Sue	153, 322, 437
		Falcão, Fábio	V-35

Falk, Nikola.....	048	Foley, Aaron.....	360, 542
Fanning, Eric	343	Foley, Charles.....	543
Faria, Deborah	359	Foley, Lara	543
Faria, Rhayssa	V-51	Fonturbel, Francisco	540
Farías, Ariel	576	Forbey, Jennifer.....	181
Farley, Sean	400	Ford, Adam	093, 356
Farr, Matthew	473	Ford, Daniel	469
Faust, Lisa.....	543	Ford, W. Mark	581
Favarini, Marina.....	V-74	Forrester, Kelly.....	531
Fedje, Daryl	177	Fountain-Jones, Nick	006
Fedorca, Ancuta		Fowler, Katie	120
.....	086, 264, 265, 315, 578	Fox, Barry	491
Fedorca, Mihai.....	086, 264, 265, 578	Fox-Rosales, Lester.....	
Fedorov, Vadim	403		571, V-27, V-33, V-62, V-74
Feeley, Kenneth	V-76	Frair, Jacqueline	098, 260, 381
Fehlberg, Hllytchaikra Ferraz	392	Fralick, Gary.....	349
Fehr, Kelsey	228	Frandsen, Paul.....	439
Fehrenkamp, Bethaney	020	Frank, Lexi	586
Felix Lizarraga, María.....	090	Frantz, Laurent.....	101
Ferguson, Bradley S.....	181	Franz, Nico.....	340
Ferguson, Jake.....	333	Franzoi Dri, Gabriela.....	348, 358
Fernandes, Larissa.....	109	Frappier-Lecomte, Juliette	102
Fernandez Ajó, Alejandro	258	Free, Andrew	306
Fernandez Ham, Gabriela	090	Freedman, Reva	441
Fernández-Sauleda, Nicolás	576	Freeman, Eric	407
Ferrari, Makayla.....	079	Freeman, Sara	057, 131, 139
Ferreira, Guilherme	V-74	Freymueller, Nicholas "Nick".....	490
Ferreira, Luane	V-35	Frick, Winifred	066, 467
Ferreira, Mariana.....	495	Friebe, Andrea	V-37
Festa-Bianchet, Marco	395, 412, 531	Friend, James	085
Field, Kenneth	458	Fritz, Herve	295, 422
Figueiredo, Marcos.....	495	Fuchs, Boris	455, 556, V-37
Finck, Elmer J.....	137	Fujiki, Daisuke.....	084
Finerty, Genevieve	521	Fujimoto, Ryusuke	V-04
Finnerty, Patrick.....	267	Fujino, Nao.....	210
Fish, Frank E.	288	Fujioka, Barbara.....	070
Fisher, Diana	495	Fukasawa, Keita	192, 297, 307, V-01
Flaherty, Elizabeth.....	130, 187, 372	Fukue, Yuko.....	V-01
Fleming, Christen	472	Fulbright, Tim	362, 542
Flores, Mary Faith.....	110	Fuller, Andrea	296, 504, 546
Flores, Sophia	372	Fuller, Angela.....	476
Flores Pérez, Magally.....	V-82	Galbreath, Kurt.....	326, 342, 399, 449
Flores-Manzanero, Alejandro	104	Galbreath, Kurt.....	450
Flowers, Dillon	479	Galenao, Maria	088
Foe Anguyo, Dennis	458	Galetti, Mauro	001, 494, V-76
Fogel, Zachary	357	Galetti Jr., Pedro	001

Galicia-Salas, Ana Patricia	025	Goheen, Jacob.....	093, 506, 508, 532
Gandhi, Kamal.....	246	Goiti, Urtzi	V-48
Gankhuyag, Gantulga	089	Golubiński, Michał.....	561
Gansukh, Sukhchuluun	V-41	Gomes, Fernando	258
Ganswindt, Andre	253, 505	Gomes Fischer, Luciano	V-79
Gantchoff, Mariela	424	Gompper, Matthew	078, 493
Gao, Erhu	043	Gonçalves, Dominique.....	026
Garant, Dany	102, 277, 303	Gonçalves, Letícia	001
Garcia Molinos, Jorge	150	Gonçalves, Pablo.....	
Garcia-Anleu, Rony	036, 039		423, 470, V-56, V-71
Garciadiego San Juan, Marimar.....	090	Gonçalves, Renata	V-80
Gardner, Beth	474	Gonzalez, Carlos	481
Garin, Inazio	V-48	Gonzalez, Publio.....	063
Garland, Theodore, Jr.	019	González-Buve, Jennifer.....	576
Garrett, Katherine	532	Gonzalez-Meler, Miquel	380
Garrison, Elina	373	Good, Jeffrey M.	100, 323, 525
Garvey, Patrick	273	Goodfellow, Samuel.....	075
Gatens, Lisa	343, 445	Goodheart, Ben.....	529
Gavazza, Alejandra	V-05	Goodman, Steven	009, 587, 588
Gavin, Thomas	528	Goodwin, Courtnee	479
Gazzard, Abi.....	002	Gopalaswamy, Arjun.....	029
Gearty, William	490	Gordon, Caleb.....	038
Gebrezgiher, Genet.....	123	Gordon, Iain	081
Gehrt, Stanley	112, 118, 370, 391	Gorman, Katherine.....	581
Geibel, Erin.....	072	Gorman, Nicole	058
Gentry, Lindsey	V-57	Gormezano, Linda	V-73
George, Darren	483	Gornia, Joanna	561
Gerber, Brian.....	073	Gorris, Ashley	511
Geremia, Chris	282	Goyco-Blas, Jose.....	126
Gerstner, Beth	419	Grafe, T. Ulmar	517
Gese, Eric.....	131	Grageda, Miguel	067
Gharajehdaghipour, Tazarve.....	330	Grau, Jose Horacio	527
Giarikos, Dimitrios	158	Graving, Jacob.....	280
Gibson, Luke	029	Gray, Rachael	262
Gigliotti, Laura C.....	361	Gray, Shawn	362
Gil, Wojciech.....	313	Green, Austin	377
Gilbert, Neil.....	473	Green, Breanna	373
Gilbert, Sophie.....	285	Green, David.....	473
Gill, Verena.....	034	Green, Peter	293
Gilley, Michelle	581	Green, Rebecca.....	046
Gilot-Fromont, Emmanuelle	V-37	Greenbaum, Ira.....	513
Giroux, Aline	168, 169	Greene, Daniel.....	246
Gituku, Benard	093	Greiman, Stephen.....	
Goc, Małgorzata	454		183, 326, 401, 404, 450
Godinho, Raquel	577	GRIDAN, Alexandru.....	086, 265, 315
Godwin Lekashu, Glory	V-78	Groce, Camilla	440

Grout, Emily.....	519	Harris, Natalie	017
Grueber, Catherine.....	028	Harris, Nyeema	221
Grunstra, Nicole.....	V-67	Harrison, Lily	285
Grunwald, Amanda.....	467, 588	Hart, Daniel	253
Gruzdev, Alexander.....	493	Hartway, Cynthia.....	493
Græslí, Anne Randi	455, 556	Harveson, Louis	481
Gual-Suárez, Fernando	066	Hassan, Abdikadir.....	506
Gudinho, Filipe	432	Hata, Ayaka	V-01
Guerra, Elias.....	576	Haussermann, Verena	258
Guerrero-Chacon, Adriana	536	Hautier, Lionel.....	515, V-60
Guimarães, Murilo	197	Havelock, Heather	256
Guirado, Emilio	V-85	Hawkins, Melissa	425, 591
Gulbranson, Mallory	487	Hawley, Jason.....	328
Gunderson, Aren	468	Hayakawa, Takashi.....	341
Guralnick, Robert	533	Hayes, Forest.....	421, 493
Guskov, Valentin	V-53	He, Qixin	488
Gustine, David	559	Headlee, Kaitlyn.....	308
Haering, Ron	262	Heaton, Timothy.....	177
Hafiz Ayinde, Badmus	V-91	Hedberg, Carson.....	055
Hafliger, Tyrel	188	Hediger, Joseph.....	266
Hagino, Kyogo	341	Heffelfinger, Levi.....	362, 406, 539
Haji-Sheikh, Michael.....	334	Heine, Georg.....	070
Haji-Sheikh, Misty.....	334	Helgen, Kris	245
Hale, David	199	Hemami, Mahmoud-Reza	369
Halenar-Price, Lauren B.	008	Hendrix, Jack	478
Halloway, Abdel.....	120	Henger, Carol.....	328, V-73
Halseth, Ashlyn	391	Henrique Fernandes do Prado, Jonatas	197
Hamblen, Emily	V-31	Heppenheimer, Elizabeth.....	V-73
Hamede, Rodrigo	006	Herberg, Andrew	554
Hamede, Rodrigo	299	Herbert, Catherine	262
Hamer, Gabriel	558	Hernández, Froylan	481
Hamilton, Bryan.....	065	Hernandez Hernandez, Norma Alicia	485
Hamilton, Natalie	107, 513, 524	Hernández Sánchez, Alejandro	V-90
Hammerbacher, Almuth	269	Hernández-Canchola, Giovani	031
Hanberry, Brice.....	V-38	Herrera, Nathanael	100
Hanchett, Sarah	459	Herrera, Tommy.....	103
Handika, Heru	031	Herrera M., L. Gerardo.....	547
Hanley, Zoe	051	Hersey, Kent	044, 255, 407, 502
Hanrahan, Nicola.....	082	Hertel, Anne G.	V-37
Hanscom, Ryan.....	V-83	Hess, Jon	232
Harcourt, Nikki.....	191	Hess, Steven C.	054
Harding, Lee.....	585	Hessami, Mateen	356
Hardy, Michael.....	083	Heur, Andrew	511
Hare, Alexander	257	Hewitt, David.....	266, 360, 362, 539, 542
Harper, Elizabeth.....	121		
Harris, Beau.....	007		

Higashi, Teppei	V-28	Hsin Ju, Wu.....	205
Higham, James.....	565, V-58	Hu, Huijian	219
Higham, Timothy	V-83	Hu, Yiming	219
Higuchi, Miho.....	312	Huang, Zhiwen.....	219
Higuchi, Naoko	V-01, V-07	Huebner, Sarah.....	422
Higuma, Kaho.....	V-54	Hughes, Andrew	V-03
Hildreth, Michael.....	325	Hughes, Karissa.....	442
Hileman, Eric	543	Hughes, Kim	328
Hill, Jessica.....	V-83	Hughes, Tabitha.....	044, 255
Hill, Stephanie	085	Hulva, Pavel.....	527
Hinckley, Arlo.....	425	HUMM, JACOB.....	437
Hindle, Allyson.....	452, 457, 482	Humphreys, Brigit	061, 350
Hines, Ellen	110	Humphries, Murray	393
Hingst-Zaher, Erika.....	148	Hunter, Elizabeth	111, 447
Hinton, Morgan.....	044, 407	Hunter, John	V-81
Hirons, Amy	158	Hunter, Malcolm.....	348
Hirsch, Ben	519	Hurley, Mark.....	218
Hlusko, Leslea	178	Husain, Azhar	340
Hoberg, Eric.....	399, 401, 404	Ibanez, Daniel	520
Hoffman, Susan.....	375	Igarashi, Takeshi.....	190
Hofman, Courtney		Iijima, Hayato	084, 302
.....	003, 005, 180, 382, 385, 442	Ikeda, Tohru.....	200
Hohenlohe, Paul	006	Ilarde, Gabriele	587
Holderied, Marc	059	Inagaki, Akino	094
Holding, Matthew.....	181	Ingala, Melissa	224
Holekamp, Kay	225	Inoue-Murayama, Miho	152
Holekamp, kay.....	473	Ionescu, Georgeta	
Holland, Richard.....	290		086, 264, 265, 315, 578
Holleman, Sarah.....	126	Ionescu, Ovidiu	264, 578
Hollinetz, Fabian.....	V-67	Iravani, Majid.....	071
Holmes, Melissa	235	Ishikawa, Naoto	V-43
Holtze, Susanne	232	Ishinazaka, Tsuyoshi	297, 307, V-06
Honiball, Terry-Lee	295	Ito, Genta	156
Hood, Wendy.....	017, 021	Itô, Hiroki.....	302
Hooven, Nathan	060	Ito, Takehiko	117, 518, V-07, V-15
Hopcraft, Grant.....	V-49	Iudica, Carlos	570
Hope, Andrew.....		Izawa, Masako	193, V-29
.....	106, 147, 188, 308, 433, 436	Izumiya, Shigeyuki	V-08
Hopkins, Charlotte.....	116	Izuno, Ayako	084
Hopper, Miranda.....	360, 542	Jachowski, David	249, 381
Horne, Liam	545	Jackson, Donavan	464
Horning, Markus	482	Jackson, Nathan	406
Horr, Daisy.....	201	Jacobs, David	059
Horstmann, Lara.....	034	Jacobson, Odd.....	521
Hoshi, Norihiro.....	V-04	Jácomo, Anah.....	V-13
Hostetter, Nathan	476	Jakopak, Rhiannon	349, 532

James, Sarah	346	Kaneko, Yayoi.....	V-17, V-21
Jansa, Sharon	107, 513, 587	Kanova, Miroslava	456
Januária Teixeira Santos, Juliana ...	V-14	Kañuch, Peter	327
Jati, Agus.....	358	Kappeler, Peter.....	394
Jauregui García, Cynthia.....	090	Kartzinel, Tyler.....	055, 506
Jayat, J. Pablo	149	Kass, Jamie	379
Jenks, Jon	528	Kassem, Abraham	511
Jenner, Nicky.....	011	Katakweba, Abdul	123
Jennings, Travis	463	Katsushima, Hinako	443
Jensen, Alex	249	Kaufman, Dawn	V-16
Jensen, Paul.....	014	Kavazis, Andreas	017
Jesmer, Brett	124, 283	Kavwele, Cyrus	V-49
Jhala, Yadvendradev	287	Kays, Roland.....	
Ji, Shengnan	219		070, 166, 206, 472, V-45
Jimbo, Mina	307, 316	Kaza, Vimala.....	017
Jogahara, Takamichi	146	Keady, Mia	V-57
Johar, Kaid	129	Keane, Alaya.....	359
Johnson, Heather	559	Keating, Meghan.....	381
Johnson, Samantha	037	Keith, Mark.....	422
Johnson, Timothy	162, 218	Keller, Jonathan.....	160, 248, 460, 490
Johnson-Bice, Sean	163	Keller, Lukas	395
Johnston, Kimberly	440	Keller, Thomas.....	260
Jones, Chris.....	191	Kelly, Aubrey	234
Jones, Evie.....	299	Kelly, Christine	581
Jones, Menna	006, 299	Kelly, Marcella J.....	124
Jorge, Maria.....	261, 494	Kennerley, Ros	002
Josefson, Chloe.....	015, 019, 020, 022	Kerbis Peterhans, Julian	588
József, Lanszki.....	V-66	Kerby, Jeffrey.....	280
Juárez, Enós	063	Kerhoulas, Nick.....	488
Juman, Maya	V-55	Keuroghlian, Alexine	261
Junchompoo, Chalatip.....	110	Kevin, Murray.....	038
Jung, Thomas.....	357, 584	Khasoha, Leo.....	506, 532
JURJ, Constantina	086	Kiaris, Hippokratis	017
Jurj, Ramon	086	Kibobi, Peter	298
Juste, Javier	588	Kikuchi, Dale	117, 312, 518, V-15
K, Ashish	259	Kilgo, John	249
Kaage, Aellah	500	Kilpatrick, Bill.....	V-77, V-84, V-86
Kaewmong, Patcharaporn	110	Kilwanila, Shadia.....	294
Kahal, Nicole	071	Kim, Dong-Youn.....	215
Kaiser, Rusty	349	Kim, Jeong-Hoon	122
Kalema-Zikusoka, Gladys	593	Kim, Jong-U	122
Kalle, Riddhika	259	Kim, Youmin.....	122
Kamaru, Douglas.....	093	Kimanzi, Johnstone.....	298
Kamel, Stephanie	V-23, V-24	Kimock, Clare.....	V-58
Kanda, Ikuko	186	Kimuyu, Duncan.....	506
Kanda, Takeshi	V-21	Kindberg, Jonas	V-37

King, Eliza	386	Kotlik, Petr.....	523
King, Jessica	079	Kowalczyk, Rafał.....	389
King, Julie	V-31	Koyama, Lina	518
King, Sarah.....	369	Kozak, Krzysztof	179
Kingston, Tigga	467	Kozakai, Chinatsu	213, V-01, V-04
Kipp, Evan	586	Kołodziej-Sobocińska, Marta	216, 389
Kirby, Anna.....	078	Kraus, Andrea	V-60
Kirchner, Theresa	V-39	Krause, Amelia.....	V-73
Kistler, Logan	101	Kreb, Danielle	110
Kita, Yuki	152	Krebs, Charles	113
Kiyonari, Mayu.....	307	Krimmel, Erica.....	444
Klagenberg, Camila Spaniol	319	Krockenberger, Mark	027
Klaver, Robert	154	Kroger, Bart.....	555
Kleeberg, Bailey	153	Kubickova, Aneta	338, 456
Klinck, Holger	482	Kuboshima, Emi.....	V-17
Klink, Amy.....	452, 457	Kuhn, Kellie.....	199
Klinsawat, Worata	110	Kuit, Sui Hyang	110
Klossing, Brier	154	Kukka, Piia	357
Klukkert, Zachary S.	008	Kumar, Heesha	380
Knapp, Andrew	V-42	Kumar, Sonia	034
Knight, Karlie	357	Kuno, Tomoe	143
Knight, Robert	304	Kuntze, Corbin	046
Knowles, Lacey	375, 426, 488	Kuriyama, Takeo.....	084, V-25
Knox, Nichola	516	Kurtz, Courtney	463
Knuckey, Chris	082	Kurukura, Samson	506
Kobayashi, Shun	193, V-28	Kyalo, Joseph	386
Kobayashi, Yumi	V-54	Kyaterakera, Grace.....	458
Kobrina, Anastasiya	414	LaBarbera, Dean.....	441
Koch, Amelia	299	Lacey, Eileen	201, 230, 236, 353, 411, V-20, V-61
Koch, Rosie	232	Lacher, Thomas.....	359
Koepfli, Klaus-Peter.....	577	Lacin Alas, Burcu	041
Koerner, Sally	326, 450	Lackey, Carl	371
Koger, Ben	280	LaFlèche, Lauren J.	567
Kogi, Kazunobu	152	Laforge, Michel P.	282
Kohl, Kevin	126, 222	Lail, Hunter.....	343
Kohl, Kevin	223	Lala, Fredrick	386
Koike, Shinsuke.....	094, 128, 213, 477	Lamb, Clayton.....	356
Koizumi, Itsuro.....	443	Lamb, Sydney	407, 439
Kojola, Ilpo.....	144	Lambert, Joanna E.....	493
Kokulasingam, Sinoj.....	355	Lambert, Mallory	135
Kolarik, Miroslav	338	Lambert, Thomas.....	072
Kondzior, Eliza	389	Lamphear, David.....	415
Koper, Lindsey	331	Land, Danielle	183
Koprowski, John	089, 575, V-41, V-64	Lande, Tayah	157
Kotaka, Nobuhiko	V-28	Landsman, Andrew	072
Kotler, Burt.....	237		

Lane, Jeffrey.... 016, 257, 275, 276, 536,
 538, 552, V-65
 Laney, Jesse 212
 Lanier, Hayley
 130, 164, 488, 523, V-03
 Lantz, Andrew 270
 Lanzetti, Agnese..... V-42
 Laper, Miguel..... 514
 Larsen, Peter 586
 Larsen, Randy
 044, 255, 283, 304, 407, 439
 Larsen, Roxanne 586
 Larsen-Gray, Angela 246
 LaSharr, Taylor..... 349
 Latch, Emily 177
 Latifiana, Kurnia 358
 Latofski Robles, Mariam..... 090
 Lautenschlager Rodrigues, Lais
001, V-76
 Lavergne, Sophia 113
 Laverty, Theresa 066
 Law, Chris..... 178
 Lawing, A. Michelle 398, 484
 Laz?r, Anamaria V-11
 Lazar, Ana 429, 470
 Le Maître, Anne V-67
 le Roux, Aliza 049
 Leacock, William..... 559
 Leal, Karla V-74
 Lecigne, Bastien 162
 Lee, Michael 458
 Lee, Nicole 233, 236, 448
 Lee, Thomas 496
 Lee, Tracy..... 071
 LeFebvre, Michelle 007
 Leggat, Katheryn 166
 Lehman, Phillip..... 008
 Lem, Rebecca 413
 Lemièrre, Lucie556, V-37
 Lemon, Hannah 306
 Lenart, Elizabeth 559
 Leo, Viyanna 028
 Leonardi, Soledad 390
 Lesage, Véronique 314
 Lessa, Enrique 310
 Lessinger, Ana 109

Levesque, Danielle546, 553
 Levi, Taal032, 036, 039
 Levine, Amy092
 Levine, Rebecca555
 Lewis, Alexandra.....573
 Lewis, Jeff.....012
 Lewis, Tania.....573
 Lewis-Rogers, Nicole 179
 Li, Renqiang.....043
 Li, Sheng.....023, 064, 354
 Li, Xinhai043
 Liang, Jianchao.....219
 Liao, Rosie340
 Lieske, Maia..... V-78
 Light, Jessica 107, 513, 524
 Liley, Stewart305
 Lim, Burton.....101
 Lim, Haw Chuan431
 Lima, Adriana Q. V-35
 LIMA, BRENO..... V-33
 Lin, Jada511
 Lindecke, Oliver290
 Lindqvist, Charlotte 177, 400
 Lindsey, Laramie.....586
 Lindshield, Stacy.....372
 Linhart, Petr338, 456
 Linton, Debra444
 Liphardt, Schuyler.....033
 Liphardt, Schuyler100
 Liphardt, Schuyler183
 Liphardt, Schuyler427
 Liphardt, Schuyler592
 Lislea de Sousa, Alana V-27
 Little, Kayleigh.....417
 Liu, Mingzhang.....023, 064
 Liu, Zhicheng151
 Lloyd, Meredith343
 Lodeiro Ocampo, Nicolás.....424
 Loe, Leif Egil556
 Loeb, Susan.....079
 Logan, Thomas.....116
 Loiselle, Hope101
 Long, Caroline.....131
 Long, Channen170
 Long, Morgan.....371
 Lonsinger, Robert 153, 304, 438

Lopez, Nicole.....	V-88	Malaney, Jason. 183, 214, 309, 326, 450	
López-Fernández, Hernán	511	Maldonado, Jesús.....	
Lopez-Vidal, Juan Carlos	211	 159, 224, 425, 431, 590, 591	
Lordelo, Reizane Pereira Lordelo.....	392	Maldonado Júnior, Arnaldo	V-80
Lorenz, Margaret	342	Maletzke, Ben	474
Loseto, Lisa	207	Mali, Ivana.....	075
Lourenço, Águeda	365	Mallarino, Ricardo	500
Lövy, Matěj	245	Malone, Margaret.....	120
Lu, Jasmine	V-31	Maloney, Shane	296, 557
Luat-Hū'eu, Kūpa'a.....	091	Mancuso, Christy	377
Lubanga, Nasifu	458	Mangan, Anna.....	364
Lucas Lledo, Jose Ignacio	527	Mangipane, Lindsey	383
Lukacs, Paul.....	292	Manlick, Philip	095, 247
Łukaszewicz, Jan	313	Mann, Dydee.....	299
Lundin, Daniel	409	Manning, Adrian.....	081
Lundquist, Jessica	096	Manning, Joseph.....	166
Lunney, Dan	027	Mano, Tsutomu	204
Lynch, Nicole	050	Manser, Marta.....	048, 227, 394
Lyons, Kate	160, 248, 490, 569	Mantilla Meluk, Hugo	V-36
M, Charles	294	Mapelli, Fernando	V-63
Ma, Duifang	043	Marbach, Tyler	V-83
Ma, Heidi	004	Marcoux, Marianne	207
Ma, Yanju	219	Marin, Ganesh	469
Mabee, Paula	175	Marin, Ganesh	575
Mabry, Karen.....	174, 231	Marinho, Paulo.....	V-74
Mac Swiney González, María Cristina		Marino, Shealyn.....	V-16
.....	568	Markham, John	163
Macchioli, Igor	070	Markova, Silvia.....	523
Macdonald, Andrew.....	531	Martens, Haley M.....	511
MacDonald, Lauren	020	Martin, Jeff	325, 398, 560
MacFadyen, Duncan	208	Martin, Lynn	174
Machado, Agustín	317	Martin, Madeline	439
Machado, Fabio.....	148	Martin, Marie	418
Mackenzie, James.....	415	Martín-Taboada, Adrián	V-69
Mackiewicz, Paweł	561	Martinez, Jacob.....	209, 541
MacManes, Matthew	551	Martinez Mota, Rodolfo.....	223
Madelaire, Carla B.....	452	Martinez Sosa, Francelly	104
Magige, Flora	195	Martinig, April Robin.....	538
Maher, Sean.....	137, 433	Martinoli, Adriano	V-70
Maher, Sean.....	436, 447	Maruyama, Tetsuya	094
MAHMOOD, AMNA	151	Mason Romo, Edgard David.....	V-82
Mahone, Ian	331	Mason-Gamer, Roberta	486
Mahoney, Sean	410, 414	Mason-Romo, Edgard.....	025
Majchrzak, Yasmine	113	Massawe, Apia.....	042
Majelantle, Tshepiso	253	Masuda, Ryuichi	204
Makundi, Rhodes	042, 123	Maswanganye, Amanda	127

Mateo, Rafael	381	Mehta, Dhawal	129
Mathewson, Paul D.	555	Meira, Lyse	V-74
Mathieu, Ryan	220	Meirmans, Patrick	522
Mathis, Verity	220	Mella, Valentina	027
Matocq, Marjorie	024	Mello, Daniela	258
Matocq, Marjorie	065, 111, 181, 447	Melville, Haemish	516
Matsuhashi, Tamako	210	Mendes de Oliveira, Ana Cristina ...	V-14
Matsumoto, Naoya	341	Méndez Sánchez, Federico	090
Mazim, Fábio	V-74	Mendonça, João	V-13, V-34
Mazzamuto, Maria Vittoria	089, V-41	Meneses-Ribeiro, Mariana	577
McAdam, Andrew	016, 257, 275, 276, 538, V-65	Menzies, Allyson	113
McArthur, Clare	027, 050, 262, 267, 268, 274	Merkle, Jerod	282
McCain, Sean	318	Merrell, Jerrod	544
McCallum, Hamish	006	Merrick, Melissa	469, 575
McCann, Blake	522	Merz, Margaret	350, 562
McCartney, Alison	030	Mesariya, Darshit	129
McCleary, Jessie	256	Messenger, Sharon	103
McCulley, Alice	357	Metcalfe, C. Jessica	471
McCurry, Matthew	V-42	Metcalfe, Jessica	228
McDonald, Birgitte	482	Meyer, Leith	504
McDonald, William	465	Meyer, Ninon	071
McDonough, Thomas	534	Meyo Okono, Franck	467
McElroy, Thomas	079	Michielsen, Nathan	009
McFarland, Tabitha	309	Michler, Frank-Uwe	454
McGee, Matthew	251	Mihlbachler, Brian	199
McGowan, Craig	238	Mikula, Ondrej	428
McGowen, Michael	110, 224, V-42	Miller, Erica	260
McGreevy, T.J.	073	Miller, Karl V.	352, 373
McGregor, Iain	121, 272	Miller, Sterling	501
McGuire, Jenny	376, 398, 484	Miller, Susanne	383
McKee, Heidi	324	Millette, James B.	170
McKibben, Fiona	415	Millien, Virginie	V-55
McLaren, Duncan	177	Milling, Charlotte	112, 118, 370
McLean, Bryan	136, 326, 450, 533	Mills, L. Scott	323, 525
McMillan, Brock	044, 255, 283, 407, 439	Milstein, Marissa	586
McMullin, Heidi	291	Min, Kyunghae	185, 194
McNally, Luke	306	Minami, Masato	V-01, V-07
McShea, William	023, 206, 281, 354	Miranda, Matthew	209
Mech, Stephen	137, 300	Missagia, Rafaela	514
Medellin, Rodrigo	066, 226	Mitchell, Michael	289
Medrano, Celeste	317	Mittelman, Pedro	489
Meek, Paul	050	Mitteroecker, Philipp	V-67
Meheretu, Yonas	123	Miyasaki, Hollie	218
		Moehlman, Patricia	011, 368, 369
		Mohammed, Fatima	V-86
		Moller, Richard	386

Moncrieff, Andre E.....	031	Muthersbaugh, Michael.....	249
Monfils, Anna.....	444	Mutisya, Samuel	093
Monk, Emily	564	Muzzio, Troy	135
Monteiro, Leandro	099, 547	Mwanza, Edward	166
Monteith, Kevin.....	349, 555	Mwanza, James	166
Montenegro, Janessa	452	Mweetwa, Thandiwe	507
Monzon, Javier	572	Mychajliw, Alexis.....	005, 007, 442
Moore, Ben.....	027	Myslajek, Robert	454
Moore, Matthew.....	266	N. Bester, Marthán.....	197
Morais, Vinícius	V-22	Nabeshima, Hiromi	V-54
Morales, Juan	492	Nachman, Michael	103, 179, 434, 497
Morales Martínez, Darwin M.....	530	Nagano, Atsushi.....	204
Morales-González, Ana	394	Naganuma, Tomoko	128, 213, 477
Moreira Souza, Ian	V-56	Nagasaki, Ako.....	117, V-15
Moretto, Leticia	V-45	Nagata, Junco.....	084
Mori, Tomoki.....	V-08	Nagesan, Ramon	511
Moriarty, Katie	415	Nagy, Christopher	V-73
Morisaka, Tadamichi	152, 186, 190	Nagy, László	V-51
Morris, Aaron	386	Nakabayashi, Miyabi.....	V-43
Morris, Douglas	240	Nakajima, Yasuhiro.....	V-01
Morris, Max.....	554	Nakamura, Daisuke	V-04
Morrison, Michael	524	Nakamura, Gen.....	143
Mortelliti, Alessio.....		Nakanishi, Masanao	307, 316
.....	061, 348, 350, 351, 358, 562	Nakao, Ryo	156
Moura, Andre.....	104	Nakashita, Rumiko.....	213, V-01
Moura, Vitor	V-27	Namoni, Mathew	506
Moura, Vitor Emanuel.....	V-30, V-33	Namukonda, Salifya.....	166
Mourão, Guilherme.....	168	Namukonde, Ngawo	133
Msimango, Vumboni Harry	170	Naples, Virginia.....	334, 441
Mudumba, Tutilo.....	029	Nascimento, Fabio	148
Mueller-Klein, Nadine	227	Nascimento, Fabrícia	429
Mui, Tsai.....	001	Ndiaye, Papa Ibnou	372
Muletz-Wolz, Carly	V-57	Ndiaye, Yaya.....	372
Mulford, Jada.....	446	Ndung'u, Kimani.....	506
Mundy, CJ	207	Negrete, Javier.....	390
Munshi-South, Jason.....	328, V-73	Negron-Del Valle, Josué	565, V-58
Munson, Cheyenne	V-81	Neiswenter, Sean.....	580
Murakami, Takahiro.....	V-06, V-26	Nelson, Holly.....	135
Murakami, Takuya	V-06	Nemoto, Yui	316
Murase, Hiroto	143	Nespolo, Roberto	540
Murayama, Natsuki.....	190	Newman, Amy.....	257
Murie, Jan.....	552	Newman, Blaise	352
Murley, Ben	438	Newman, Chris	V-17, V-21
Murphy, Katherine	110	Newsom, Bonnie.....	005
Murphy, LIsa.....	260	Newsome, Seth.....	247, 248, 385
Murphy, Peter	111	Newsome, Thomas	028, 062, 262

Ngamprasertwong, Thongchai	466	Olasagasti, Lander	V-48
Ngoda, Upendo	195	Oliveira, Carlos	197, 319
Niccolai, Laura	455	Oliveira, Larissa	319
Nicholson, Laura	384	Oliveira, Marcelo	V-74
Nicvert, Lisa	422	Oliveira-Santos, Luiz Gustavo	168, 169
Niedziałkowska, Magdalena	561	Olivero, Jesús	V-69
Nielsen, Clay	060	Olson, Link	164, 468
Nielsen, Danny	181	Olson, Link	487
Nietlisbach, Pirmin	498	Olson, Link	488, V-55
Nishijima, Asuka	341	Olson, Olivia	005
Nishiya, Rie	V-07	Omondi, Patrick	386
Nofchissey, Robert	075	Onishi, Nobumasa	V-07
Noon, Barry	493	Opatz, Anthony	362
Norbury, Grant	274	Opazo, Juan	100
Nordahl, Oscar	374	Opiyo, George	532
Norris, Ryan	V-10, V-77, V-84, V-86	Ordeñana, Miguel	037
Novotna-Kruzikova, Kamila	456	Oregel Vazquez, Lucero	090
Novotný, Vojtěch	245	Orlando, Cristian Gabriel	268
Nowak, Sabina	454	Orr, Teri	015, 019, 020, 022, 202, 203, 209, 520, 541
Nunes, Scott	233, 417	Ortega, Jorge	568
Nuñez, Miguel	038	Ortega, Josué	519
Nusová, Gréta	327	Ortega, Zaida	168, 169, 173, V-85
Nussear, Kenneth	065	Ortega-S, Alfonso	360, 542
Nussey, Daniel	306	Ortiz Varela, Maximiliano	V-36
Nyagah, Stephen	386	Ortiz-Jiménez, Lorena	V-47
Nyamsuren, Batsaikhan ...	183, 214, 450	Osada, Naoki	204
Nystuen, Hailei	463	Osawa, Takeshi	477
O'Neal, Matthew	476	Oshima, Julia	261
O'Neill, Brian	V-89	Osland, Jared	430
Ober, Holly	384	Osner, Nicholas	422
Obrycki, Pawel	166	Ososky, John	140
Ochoa, Niccolett	183	Ostertag, Rebecca	054
Odom, Richard	581	Ostrówka, Michał	561
Ogawa, Kiyohiro	186	Oswald, Jessica	007
Ogawa, Nanako	V-43	Otsuka, Shion	511
Ogawa, Shin-nosuke	V-07	Owen-Ramos, Julia	526
Ogilvie, Shaun	191	Owen-Smith, Norman	368
Ogutu, Joseph	366	Ozgul, Arpat	394
Oh, Younggeun	122	O'Shaughnessy, Ryan	481
Ohashi, Haruka	192	Pacheco, Victor	068
Ohkouchi, Naohiko	V-43	Pacifici, Krishna	472
Ohnishi, Naoki	477	Packer, Craig	287
Oikawa, Mikiya	V-54	Pagano, Anthony	252
Okada, Hideaki	V-06	Pakkebie, Allie	V-02
Okamoto, Satoshi	V-54		
Okena, Daniel	245		

Palmer, Alexandra	191	Peplinski, Joy	120, 380
Palmer, Geoffrey	435	Peralta Martinez, Karen	126, 223
Palmer, Rosa	038, 435	Percequillo, Alexandre	
Palmer, Todd	093, 506		068, 426, 515, 589, 590
Pamfilie, Alexandra	198	Perea, Santiago	246
Panaino, Wendy	296	Pereira, Alex	V-74
Pandraud, Anne	269	Pereira, André	565
Paniw, Maria	394	Peres, Pedro	109
Pannkuk, Evan	224	Pereyra, Daniela	V-63
Panzeri, Mattia	V-70	Pérez-Harp, Samara	066
Pardi, Melissa	137, 217, 490	Pérez-Torres, Jairo	379
Pardiñas, Ulyses	V-61	Pergams, Alexander	241
Pardo, Lain	422	Perini, Fernando	514
Paresque, Roberta	109, 589	Perkins, Lora	325
Parikh, Grace	481	Perrotti, Louis	563
Park, Jongbeom	500	Perry, Susan	521
Park, Shinho	143	Perry, Travis	132
Park, Travis	V-42	Perryman, Nolan	247
Parker, Daniel	132	Person, David	501
Parker, Lillian	180, 382	Person, Erin	411
Parker, Stephanie	554	Pessôa, Leila	470
Parrini, Francesca	368	Petelle, Matthew	049
Parrott, Marissa	293, 579	Peters, Felipe	V-74
Parsons, Arielle	472, 543	Pētersons, Gunārs	290
PASCA, Claudiu	265, 315	Petit, Hannah	563
Pasch, Bret	223, 410, 414	Petracca, Lisanne	420, 474
Patrick, Lorelei	137, V-02, V-72, V-87	Petrullo, Andrea	073
Patrick, Raven	184	Petrullo, Lauren	016, V-65
Patterson, Bruce		Pfaff, Cathrin	V-67
.....	099, 467, 486, 514, 588	Pfeffer, Deanna	539
Patterson, Charlotte	V-83	Phakoago, Makabudi	296
Patton, James L.	179	Phelps, Darrin	364
Pauli, Jonathan		Phillips, Daniel	565, V-58
.....	013, 041, 046, 095, 301	Phillips, Molly	444
Pavan, Silvia	590	Phillips, Payton	453
Pavez Fox, Melissa A.	V-58	Piaggio, Antoinette	053
Pearson, Meghan	270	Piaggio, Antoinette	364, 522
Pease, Brent	336	Pierson, Jennifer	081
Pedrini, Giancarlo	576	Pigage, Helen	199
Peel, Mike	422	Pigage, Jon	199
Peers, Michael	113, 397, 564	Pikula, Jiri	338, 456
Peery, M. Zachariah	046	Pilkington, Jill	306
Pei Chen, Wu	205	Pilot, Małgorzata	104
Pelletier, Fanie	412	Pinheiro, Thiago	V-35
Pemberton, Josephine	306	Pires, Mathias	001
Peng, Xinye	235	Platt, Michael	565

Polettini, Marcos	035	Ramos Vertiz, Ines.....	424
Ponganis, Paul	482	Ramos-de-Souza, Jucicleide	V-80
Ponnampalam, Louisa S.	110	Rana, Angela	028
Popescu, Viorel	145	Randall, Jill.....	349
Popović, Danijela.....	561	Randrianarisoa, Santatriniaina	471
Poretsky, Rachel	242	Ransom, Jason	012
Porter, Warren P.....	555	Rasambainarivo, Fidisoa	471
Possell, Malcolm.....	268	Rasmussen, Jack.....	502
Potratz, Emily	120, 242	Rasolofoniaina, Olivier	471
Potvin, Lynette R.	041	Ratajczak-Skrzatek, Urszula.....	561
Poulin, Marie-Pier	282	Raveh, Shirley.....	552
Powell, Jessica	323	Rawson, Brooke.....	V-77
Powell, Roger	289	Rayaleh, Houssein.....	374
Power, Kelley	448	Réale, Denis	102, 277, 303
Power, Michael	V-57	Reed, Courtney.....	506
Powers, Lisa	458	Reeder, DeeAnn	458
Prado, Joyce	375, 426, 515	Reese, Ellie.....	012
Preatoni, Damiano.....	V-70	Rega-Brodsky, Christine	583
Previtali, Andrea	317	Regehr, Eric.....	040
Price, Catherine.....	267, 268, 274	Reich, Heather	371
Price, Melissa R.....	091	Reichard, Ulrich	320
Price, Steve	155	Reitz, Ryan	539
Pringle, Robert	506	Rentz, Michael	154, 157
Priotto, José	V-63	Resende, Paloma	359
Proudman, Alexis	372	Resende Secchi, Eduardo	197
Pruetz, Jill	372	Restoring Ecosystems Lost in	
Prugh, Laura.....	012, 096	Conservation (RELIC), Bahamas.....	007
Pruvot, Mathieu	071	Restrepo, Esteban	160
Puckett, Emily.....	499	Rezazadeh, Elham.....	V-77, V-84
Purcell, Kathryn	046	Ribeiro, Ana Carolina da Cunha Ribeiro	
Putman, Rory.....	116		V-14, V-27, V-74
Qi, Huiyuan.....	152	Ribeiro, Milton	261
Quakenbush, Lori	040	Rice, Benjamin.....	471
Quinn, Thomas	119	Richard, Justin	563
Quiroga-Carmona, Marcial	100, 149	Richards, Lora.....	181
Rabie, Paul.....	038	Rick, Torben.....	385
Rabosky, Daniel L.	511	Rickart, Eric.....	074
Rachlow, Janet.....	162, 218, 285	Ridush, Bogdan	561
Rahman, Mehek	272	Riginos, Corinna	093
Rahmat, Sulman.....	331	Rinsland, Hilary.....	342
Rajani, Rhea.....	511	Rinsland, Hilary.....	449
Ralph, Howard.....	076	Risely, Alice	227
Ramesh, Tharmalingam	259	Rittenhouse, Chadwick	161
Ramirez, Arianna.....	288	Rittenhouse, Tracy.....	161, 328
Ramírez-Chaves, Héctor E.....	530	Rivarola, Maria.....	492
Ramírez-Fernández, José Daniel....	V-74	Rivas, Marga.....	V-85

Rivera, Damien.....	462	Ruedas, Luis.....	467, 588
Rivera-Barreto, Nahiri.....	V-58	Ruf, Thomas	278
Rivero, Jorge	203	Ruiz-Lambides, Angelina	V-58
Rivet, Danielle	582	Ruiz-Miranda, Carlos Ramon.....	423
Rob, Massatti.....	488	Rupprecht, Charles	388
Robbins, Charles	256	Ruth, Charles	249
Robenstein, Riley	218	Ruykys, Laura	082
Roberto Veronez, Maurício	197, 319	Rwetsiba, Aggrey.....	029
Roberts, Logan	321	Ryan, Nicholas.....	460
Roberts, Lori.....	292	Sabat, Pablo	142
Roberts, Rachel.....	572	Sabin, Richard	110
Robertson, Kelly	110	Sacks, Benjamin	101, 526, 572
Robinson, Rusty	318	Saeki, Midori	V-01
Robles Fernández, Ángel Luis	485	Sage, George.....	400
Robles Martinez, Dulce	284	Sait, Steve.....	116
Robson, Shannen.....	125	Saitoh, Takashi	302
Roche, Benjamin	006	Sakamoto, Hideyuki	341
Rochon, Ingrid	592	Sakiyama, Tomoki	150, 307
Rockhill, Aimee.....	343	Sakornwimon, Watchara.....	110
Rode, Karyn	040, 400	Salano, Erin	333
Roderick, Kedar.....	V-86	Salazar, Jacqueline.....	063
RODRIGUES, FLAVIO HENRIQUE.....		Saldo, Elizabeth.....	381
.....	V-62, V-74	Salizzoni Chavez, Karina	090
Rodriguez, Mario	V-72	Salles, Angeles	241
Rodriguez Curras, Mauriel	041	Salomao, Alline	070
Rodriguez Curras, Mauriel	095	Samel, Ketki.....	353
Rodríguez Posada, Miguel E.....	530	Sampaio, Rebeca	359
Roemer, Gary	078	San Juan, Priscilla	402
Roemer, Justin	V-72	Sanchez, Katelyn.....	524
Roffler, Gretchen	032, 158, 573	Sanchez, Rocío.....	317
Rogers, Duke S.	179	Sánchez Rojas, Alexander.....	V-36
Rojas, Connie	225	Sanchez-Lalinde, Catalina	V-74
Romanski, Mark.....	041	Sánchez-Vendizú, Pamela.....	149
Romero, Andrea	V-89	Sandu, Alexandra	V-11, V-18
Romo-Hernández, Kinari.....	025, 568	Santana, Sharlene	464, 533
Rooney, Brigit.....	206	Santicchia, Francesca.....	V-70
Rosa de Oliveira, Larissa	197	Santos, João Emanuel M.....	V-35
Rose, Molly.....	511	Santos, Luana Karla Nogueira de	
Rossi, Ana Rubia.....	359	Santana Souza	392
Roth, James	163, 286, 416	Santos, Maisa	070
Rotics, Shay	374	Santos-Moreno, Antonio	V-90
Rowe, Rebecca	339	Santymire, Rachel.....	242
Roycroft, Emily	579	Sapient, Matthew	V-12
Rubenstein, Daniel	367	Saralamba, Chanpen	320
Rubi, Tricia	375	Saranholi, Bruno	001
Ruedas, Al	074	Sarau, Claire	475

Sargis, Eric	V-55	Sheffield, Steve.....	570
Sasaki, Yoko	V-43	Shen, Xiaoli.....	023, 064, 354
Sato, Jun	010	Shenko, Alicia	440
Sauter, Michelle.....	170, 378	Sher, Affan	228
Saville, Grace	009	Sheriff, Michael	339
Sawyer, Hall	349	Shero, Michelle	457
Schap, Julia	398	Shimada, Takuya	302
Schauber, Eric	060	Shimazaki, Aya	128
Scheibe, John.....	291	Shimizu, Kotaro.....	156, 316
Scheidel, Caleb	270	Shimizu, Taro.....	518
Schlater, Amber.....	134, 138	Shimozuru, Michito ...	156, 297, 307, 316
Schlesinger, Matthew	098	Shindle, David.....	373
Schlichting, Peter	058	Shindo, Junji	V-07
Schmid, Dominik.....	227	Shintani, Maki	V-07
Schmiedel, Ute	133	Shiple, Benjamin	376
Schmiegelow, Fiona	357	Shirane, Yuri	316
Schoenecker, Kathryn A.....	369	Shirazi, Sabrina.....	442
Schofield, Landon.....	360, 542	Shively, Kayla	012
Scholle, Anne E.....	282	Shively, Rachel	254, 534
Schooley, Robert.....	078	Shoemaker, Kevin.....	024, 065
Schossler, Venisse	197	Shoemaker, Kevin.....	111
Schroeder, Lucas	197	Shoemaker, Kevin.....	447
Schuette, Paul	459	Shofstall, Krista	567
Schultz, Jeffrey	139	Shores, Carolyn	330
Schuyler, Jillian	459	Short, Rachel	398
Scicluna, Emily	293	Shrader, Adrian.....	267, 269
Scurlock, Brandon	349	Shupinski, Alexandria	569
Searle, Jeremy	523	Siciliano-Martina, Leila.....	484, 513
Sedlackova, Jana	338, 456	Sielaff, Michaela.....	V-87
Segura, Marina	V-69	Sievert, Thorbjörn	271
Seidlova, Veronika	338	Silva, Guilherme.....	V-56, V-79
Sekercioglu, Cagan	377	Silva, Maria José.....	470
Sells, Sarah	292	Silva, Rodolpho.....	070
Sena, Leonardo	V-14	Silva, Wigna C.	V-35
Sena, Liana	V-62	Silveira, Leandro	V-13
Serfass, Tom	051, 072	Silverberg, Larry.....	166
Serna Trujillo, Yina	088	Simberloff, Daniel.....	052, 492
Serrouya, Rob	356, 545	Simmons, Nancy.....	182, 224, 226
Setz, Eleonore	035, V-51	Singh, Manmeet.....	511
Seva, Anaia	392	Singh, Navinder	556
Severson, John	559	Siracusa, Erin.....	565, V-58
Shaffer, Christopher	586	Sîrbu, Ioan	V-11
Shamon, Hila	279, 281	Sironen, Tarja	216
Shang, Lihai	219	Sketel, Michael.....	398
Shapiro, Abby	458	Skinner, Daniel.....	058
Sharma, Basant.....	147	Skopec, Michele.....	479

Slimnicean, Ioana Daniela.....	V-18	Stein, Rachel.....	162
Smiley, Tara	141	Steinberg, Isabel	458
Smith, Felisa.....		Steketee, Jess	339
.....	055, 160, 248, 347, 460, 490, 569	Stepanova, Natasha	511
Smith, Jennifer	411	Stephens, Sydney.....	377
Smith, Justine	239	Steppan, Scott	068, 430
Smith, Kerri.....	110	Stevens, Olivia	124
Smith, Kiarrah.....	081	Stewart, Kelley.....	318, 371, 406, 544
Smith, Lisa.....	079	Stewart, Peter	506
Smith, Matthew.....	013, 041	Stiver, William	522
Smith, Quentin.....	490	Stone, Suzanne	586
Smith, Terry	056	Stoner, Kathryn.....	066
Smith, Winston	187, 528	Storfer, Andrew	006
Smyser, Timothy.....	083, 364, 522	Storz, Jay	100, 149
Snider, Matt	166	Strandburg-Peshkin, Ariana.....	048, 519
Snyder-Mackler, Noah.....	565, V-58	Stratford, Simon.....	081
Soares, Maria Eduarda	V-52, V-71	Strom, Madeline.....	231
Soarimalala, Voahangy	009	Stuber, Erica	283, 502
Soctomah, Donald.....	005	Studd, Emily.....	113, 393
Somers, Michael.....	422	Støen, Ole-Gunnar.....	V-37
Sommer, Simone.....	226, 227	Suárez-Villota, Elkin.....	470
Sonsthagen, Sarah.....	188, 400	Sugihara, Robert T.....	054
Soto, Florencia	390	Suitor, Michael	559
Sousa-Lima, Renata.....	V-35	Sukumaran, Jeet.....	V-83
Souza, Clarice	365	Sullender, Benjamin.....	096
Souza, Yuri.....	001	Sullivan, Ian	441
Souza, Yuri.....	V-76	Šumbera, Radim	428, V-60
Spathelf, Miles	554	Summers, Danny	502
Speer, Kelly	222, 226	Suriyamongkol, Thanchira	075
Spencer, Bryan.....	360	Suska-Malawska, Małgorzata	561
Spencer, Bryan.....	542	Sustaita, Diego.....	284, 288
Spiess, Arthur	005	Sutton, Jack	458
Spinner, Bodie	332	Suzuki, Ayaka	210
Spínola, Manuel	072	Svobodova, Zdenka	456
Spraker, Terry.....	329	Swanepoel, Lourens	295, 422
Springer, Matthew	060, 155	Sweeny, Amy	306
Sripho, Sirikorn	466	Swihart, Robert	345
Sriram, Aditi.....	262	Sykut, Maciej.....	561
St Martin, Michelle.....	040	Szapu, Julianna	V-66
Stannard, Hayley	076	Szewczyk, Maciej.....	454
Stapp, Paul.....	097, 189	Szreder, Krystian	566
Stedman, Stuart	266	Tada, Riku.....	117
Steele, Michael.....	V-16	Takada, Yusuke.....	V-21
Stefaniak, Krzysztof.....	561	Takahata, Yu.....	312
Stefanovic, Milomir	104	Takatsuki, Seiki.....	V-07
Steger, Laura.....	340	Takeuchi, Masahiko	V-04

Talbot, Sandra	400, 404	Tomlin, Crystal	177
Talla, Arnaud	467	Toor, Ilapreet	235
Tamian, Anouch	475	Tordiffe, Adrian	378
Tammone, Mauro	V-61	Torney, Colin	V-49
Tamura, Kyohei	V-54	Torrent, Laura	588
Tanner, Evan	362, 373	Torres García, Flor	090
Tanshi, Iroro	509	Toyoda, Naoki	V-54
Tatman, Nicole	305	Tranquillo, Claudia	V-70
Tatum, Kaylee	180, 382	Trevelline, Brian	223
Tavares, Mateus	V-32	Trifan, Budi	110
Taylor, David	574	Triska, Maggie	072
Taylor, Sabrina	101	Trondrud, Liv Monica	455, 548, 556
Teixeira, Danilo Simonini	392	Tschapka, Marco	226
Teoh, Zhi Yi	110	Tseng, Jack	178
Terada, Tomoyoshi	186	Tsubota, Toshio	156, 316
Terleph, Thomas	320	Tsukada, Hideharu	V-15
Terry, Rebecca	212, 250, 574	Tsunoda, Hiroshi	V-21
Tesfai, Redae	368	Tsutaya, Takumi	V-43
Teta, Pablo	149, V-63	Turano, Alexandra	139
Thanikodi, M	259	Turner, James	549
Theis, Kevin	225	Turnley, Matthew	044, 255
Theriot, Miranda	164, V-03	Turvey, Samuel	004
Thiel, Alexandra	556, V-37, V-39	Twining, Joshua	098
Thiemkey, Abigail	112, 118	Uchida, Kenta	312
Thom, Gregory	031	Uchiyama, Kentaro	084
Thomas, Frederic	006	Ueno, Mayumi	196
Thomas, Lydia	511	Uhrin, Marcel	327
Thompson, Cody	510, 511, 512	Uhrová, Michaela	428
Thompson, Cynthia	270	Ujvari, Beata	006
Thompson, Daniel	254, 554, 558, V-39	Ulbing, Cynthia	323, 525
Thompson, Megan	552	Umemura, Yoshihiro	307
Thompson, Noelle	155	Uno, Hikaru	V-01
Thonhoff, Mark	349	Uno, Hiroyuki	297, 307
Thornton, Daniel	039	Upham, Nathan	009, 461, 462, 485, 592
Thurman, Timothy J	100, 525	Uuganbayar, Munkhbat	117, 518, V-15
Tietje, William	083	Valdez, Ernest	202
Tikkunen, Mari	144	Valeix, Marion	295
Tkach, Vasyl	401	Valente, Luis	009
Tochigi, Kahoko	477	Valente, Matthew	469, 575
Tolf, Conny	409	Valenzuela, David	V-82
Tollefson, Troy	256	Valle, Denis	168
Tomasi, Tom	137	Valle, Sofia Bernal	392
Tome, Catalina	490	Vallejo, Nerea	V-48, V-50
Tomita, Kanji	244	Van Beek, Eric	218
Tomke, Sarah	155		

van de Ven, Tanja	171	vonHoldt, Bridgett	101, V-31, V-73
van de Vyver, Daniel	132	Vornicu, Gabriela	V-11
van der Geer, Alexandra	009	Voss, Erin.....	434
Van Vuren, Dirk	332, 480, 526	Votypka, Jan	456
van Vuuren, Bettine Jansen	577	Wagner, Helene	071
Van Wyk, Ilana	378	Wagner, Peter.....	490
Vander Wal, Eric.....	478, 564	Waiguchu, Grace	386
Vanderzwan, Stevi	101, 572	Waits, Lisette	249
Varga, Wren	580	Waldenström, Jonas	409
Varner, Johanna	130, 135, 184	Walker, Eliana.....	576
Varner, Samantha	V-16	Waller, John	202
Vashon, Jennifer	476	Wandeler, Peter.....	V-73
Vasquez, Rodrigo.....	142	Wang, Fang	115
Vázquez-Domínguez, Ella	238	Wang, Yihan	115
Veitova, Lucie	338, 456	Ward, Alastair	116
Vejmělka, František	245	Warda, Małgorzata.....	454
Vekhnik, Victoria.....	V-75	Warret Rodrigues, Chloe	416
Vekhnik, Vladimir.....	V-75	Warrington, Miyako H.	567
Venter, Jan	295, 422	Watanabe, Sota	335
Ventorin, Maria	359	WATANABE, SOTA.....	V-19
Venturini, Andressa	001	Watari, Yuya	146
Vermeulen, Els	045	Waterman, Jane.....	413, 567
Verzuh, Tana L.	282, 555	Watersmith, Claire	V-23
Viblanç, Vincent.....	475	Watkins-Colwell, Gregory	125
Vicente-Santos, Amanda.....	246	Wauters, Lucas	V-70
Vieira, Alessandra Vama	589	Wayne, Robert K.....	101
Vieira, Emerson	365	Weatherill, Karli.....	135
Vieira, Marcus.....	495	Webala, Paul.....	588
Vilela, Roberto	V-80	Webber, Quinn.....	478
Villar, Nacho	001, V-76	Wechuli, David	059
Vincent, Ellery	256	Weckel, Mark	V-73
Vinks, Milan	292	Wehr, Nathaniel	364
Viñola-López, Lazaro Willian	008	Wehus-Tow, Bradly.....	560
Vinyard, Christopher.....	270	Weiss, Paul S.....	361
Viola, Matheus.....	547	Weksler, Marcelo	429, 432
Viquez-R, Luis	222, 226, 458	Welch, Linda	442
Virtanen, Jenni M. E.	216	Weller, Amanda	V-77
Vitek, Natasha	198	Welles, Imogene	141
Vivas, Ilad	V-46	Wells, Caitlin	332, 480
Vivas, Ilad	V-47	Wells, Harry	506
Vlaschenko, Anton	456	Wernitz, Dave	012
Voglino, Damián	V-61	West, Catherine	180, 382
Voigt, Christian	290	Wester, David	539
Volk, Courtney	467	Wey, Tina.....	231
Von Duyke, Andrew.....	383	Wheeler, Timothy.....	100, 323
von Hardenberg, Achaz.....	395	White, Courtney	158

White, Paula	329	Yamamoto, Keiko.....	210
Whittaker, Don.....	544	Yamanaka, Masami .	156, 297, 307, 316, V-06
Whittaker, Joseph.....	V-78	Yamauchi, Kiyoshi	335
Widness, Jane	592	Yamazaki, Koji	128, 213, 477
Wiedmann, Brett.....	318	Yan, Yizhu.....	219
Wiens, Ben	105, 106, 308	Yanagawa, Yojiro.....	341
Wiig, Øystein	V-14	Yansanjav, Adiya	V-41
Wikelski, Martin	070, 472	Yap, Kang Nian.....	017
Wilhelm, Kerstin.....	226, 227	Yarkovich, Joseph.....	522
Wilkins, Alyson	033	Yen, Ivy	350, 351
Williams, Ashley	021	Yoshida, Masataka	V-04
Williams, Cassandra.....	482	Yoshimura, Mayu	V-25
Williams, Cory.....	537	Yoshioka, Motoi	152, 186, 190
Williams, Kristy	579	Young, Julie	139
Williams, Perry.....	459	Young, Truman	506
WILLIAMS, SARA.....	442	Yule, Kelsey	340
Williams Soriano, John Paul.....	276	Yunger, John.....	114, 137
Wilson, Robert 188		Zachos, Frank	V-40, V-67
Wilson, Ryan	040, 383	Zafra, Alicia	V-46
Windsor, Alexandra	286	Zagonel de Oliveira, Marcelo	197
Wingfield, John 142		Zajączkowski, Grzegorz.....	313
Winkler, Viola.....	V-67	Zalewski, Andrzej.....	216
Winter, Kawika.....	091	Zaman, Luis	229
Winters, Eric	079	Zamora-Gutierrez, Veronica	066
Wirsing, Aaron	119	Zarnetske, Phoebe.....	419
Witek, Malgorzata.....	454	Zavala-Norzagaray, Alan	066
Witman, Nathan.....	463	Zedrosser, Andreas	128
Wolf, Amelia	506	Zhang, Fuhua.....	151
Wolf, Sandy	066	Zhang, Wei.....	219
Wolf, Tiffany.....	586	Zhao, Qianqian	115
Wolfe, Hayden	325, 560	Zhao, Qing	115
Wolsan, Mieczyslaw	010	Zhao, Zhiping	219
Wood, Matthew	269	Zhou, Haoyu	V-17
Woods, Charles A.	V-77, V-86	Zhou, Zhixin	219
Woods, Jacob.....	V-02	Zhu, Shuyi.....	064, 354
Wooten, Litsa	326	Zijlstra, Jelle	311
Wrensford, Kwasi	353	Zimmerman, Naupaka	417
Wright, Dominic	364	Zimmermann, Barbara	V-39
Wu, Hsin-Ju	263	Zipkin, Elise.....	473
Wu, Shibao	151	Zipparro, Valesca.....	001
Wynan, Marie	076	Zöttl, Markus	232, 374, 409
Yagi, Genfu	152, 186	Zug, Rebecca.....	V-74
Yahnke, Christopher.....	130	Zukal, Jan	338, 456
Yamada, Ayumi	V-54	Zur Tulod, Jewel	463
Yamada, KayLene.....	017		
Yamaguchi, Saya	196		

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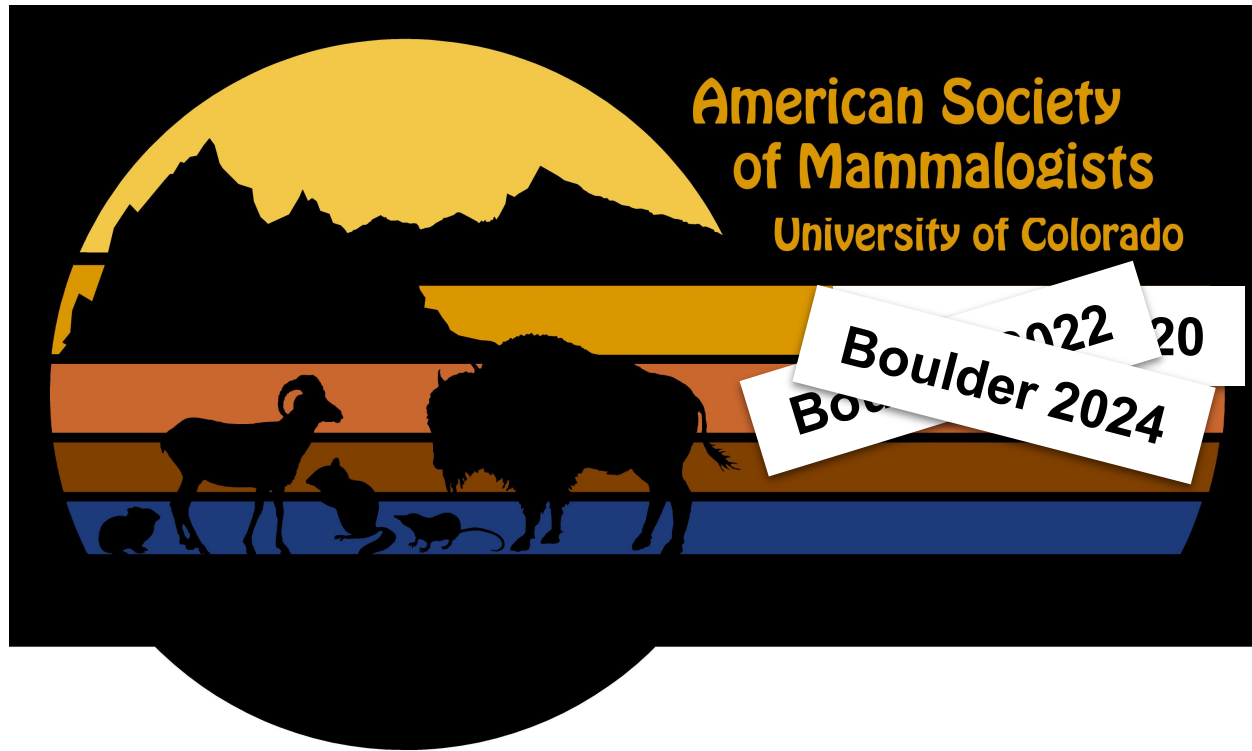


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