

2024 Pacific Seabird Group

51st Annual Meeting

21 - 23 February 2024

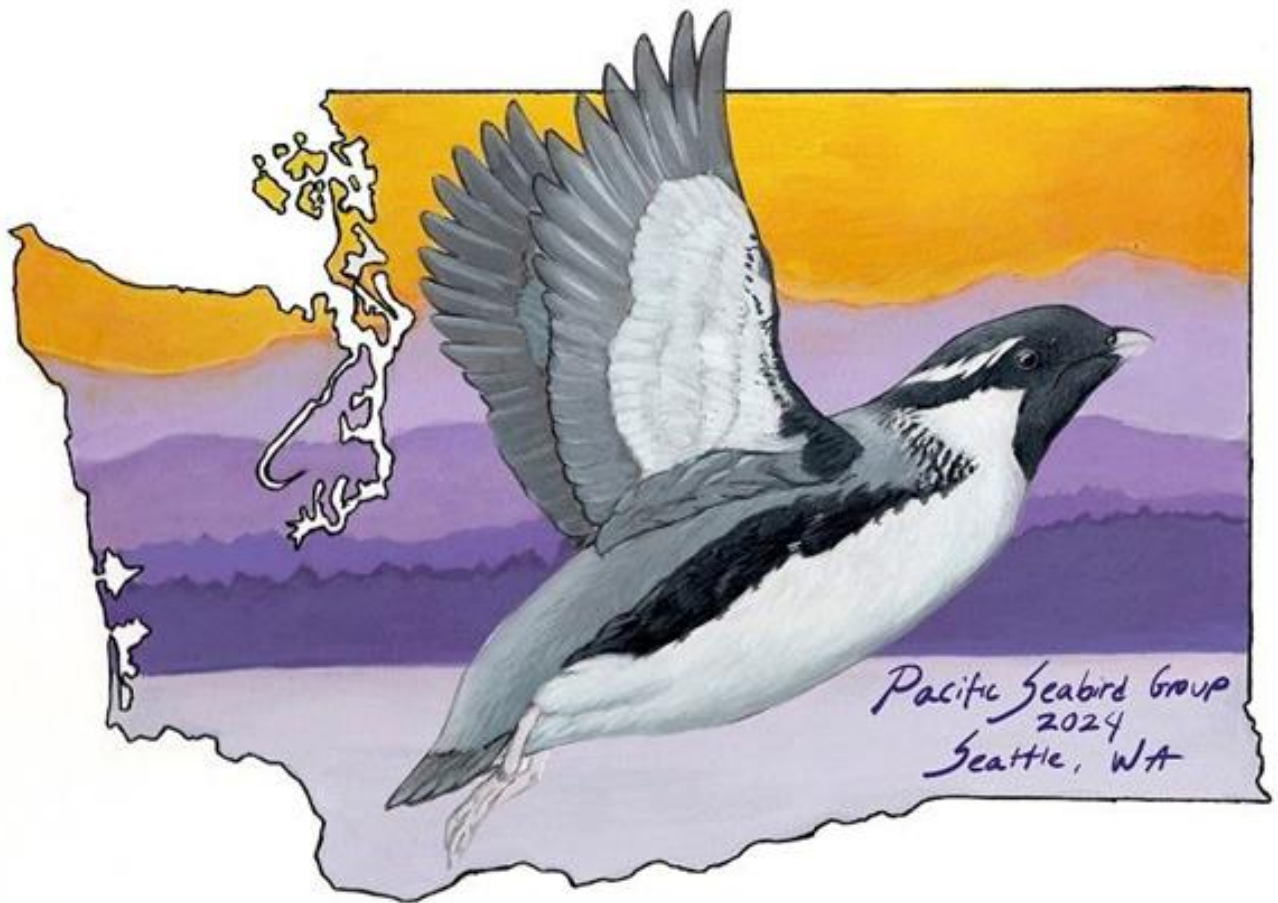


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SCHEDULE AT A GLANCE

PSG 2024 Daily Schedule Overview

Tuesday 20 February 2024

	Portland A & B	Discovery A & B	Stevens
0730-1600	Registration Desk open		
0800-0900	Aleutian Tern Technical Committee	Seabird Monitoring Committee	ExCo Meeting
0900-1000		North Pacific Albatross Working Group	
1000-1100	Tufted Puffin Technical Committee		
1100-1200			
1200-1300			
1300-1400	NE Asia Seabird Conservation Committee	Marbled Murrelet Technical Committee	Scripps Murrelet, Guadalupe Murrelet, and Craveri's Murrelet Technical Committee
1400-1500			
1500-1600			
1600-1700			
1800-2100	WELCOME RECEPTION <i>Flatstick Pub - South Lake Union, 609 Westlake Ave N, Seattle</i>		

Wednesday 21 February 2024

	Leonesa Ballroom	Princessa I	Discovery A & B
0700-1700	Registration Desk open		
0830-0900	Welcome and Opening Remarks		
0900-1000	PLENARY: DR. SARAH CONVERSE		
1000-1030	Coffee Break		
1030-1200	Symposium: HPAI	Foraging	Migratory and non-breeding biology
1200-1330	Lunch (on your own) / EID Committee Meeting		
1330-1500	Symposium: HPAI	Fisheries and Bycatch	Behavior
1500-1530	Coffee Break		
1530-1630	Symposium: HPAI	Community Engagement	Physiology
1630-1730	PLENARY: DR. NATALIE BAN AND JAIME OJEDA		
1730-1830	ECS PANEL		
1830-2000	STUDENT-MENTOR MIXER		
2000-2100	STORYTELLING SESSION - OVERLY HONEST METHODS		

Thursday 22 February 2024			
	Leonesa Ballroom	Princessa I	Discovery A & B
0700-1700	Registration Desk open		
0830-0900	Announcements and Special Achievement Award Presentation		
0900-1000	PLENARY: DR. GEMMA CLUCAS		
1000-1030	Coffee Break		
1030-1200	Contaminants	Conservation and Policy	Equitable Hiring Workshop
1200-1330	Lunch (provided) and PSG Members' Meeting - All Welcome		
1330-1500	Simultaneous session	Breeding Biology	Population Monitoring
1500-1530	Coffee Break		
1530-1630	Seabird Habitat Creation	Risk Assessment and Threats	Population Dynamics
1630-1730	Habitat Creation Workshop	Falconry Abatement Workshop	Bird Banding Lab Workshop
1730-1900	Chairs' Round Table		
1900-2100	POSTER RECEPTION		

Friday 23 February 2024			
	Leonesa Ballroom	Princessa I	Discovery A & B
0730-1700	Registration Desk open		
0830-0900	Announcements and Lifetime Achievement Award Presentation		
0900-1000	PLENARY: DR. STEPHEN KRESS		
1000-1030	Coffee Break		
1030-1200	Climate Change	Habitats and Distribution	Restoration
1200-1330	Lunch (on your own) / Past Chairs' Luncheon (private)		
1330-1500	Tools and Techniques	At-sea Habitat Use	
1500-1530	Coffee Break		
1530-1630	Conservation Committee Meeting - All Welcome		
1630-1830	Break		
1830-2200	CLOSING CELEBRATION		

Saturday 24 February 2024	
0800-1700	Field Trips

LOCAL COMMITTEE WELCOME

Welcome to the 51st Annual Meeting of the Pacific Seabird Group. The Seattle Local Organizing Committee put in a considerable amount of work to bring us together for an in-person conference this year, and we hope that you get a chance to take in some of the natural beauty of the Pacific Northwest while you are in town!

This meeting will feature some of the most popular elements of our in-person meetings, including field trips, interactive social events, an incredible scientific program, and a silent "AUKtion". We made every effort to provide a high level of engagement for all participants, and worked to ensure all feel welcome.

We are excited about the incredible Scientific Program that our Incoming PSG Chair Juliet Lamb and her team have created. The Scientific Program features Plenary Speakers, Special Paper Sessions, and a Symposium. In addition, the Equity, Inclusion, and Diversity Committee of PSG is hosting a **workshop on equitable hiring practices in seabird conservation** led by MOSAIC, a Vancouver-based nonprofit focused on promoting inclusive and equitable employment practices.

Outside the scientific program, we have several great events geared toward early career scientists, including an **ECS panel discussion** and a **student-mentor mixer**. For the first time at an in-person meeting, we're also featuring an evening **storytelling session** with the theme of Overly Honest Methods. You're invited to grab the mic and tell us a short (5-minute) story behind your science that will never make it into the official record. Sign up at the registration desk in advance to secure your spot, or just show up to cheer on your colleagues and learn their darkest secrets! Friday's **closing celebration** will give us a chance to come together and celebrate the end of another successful meeting. Our Tuesday and Saturday field trips offer opportunities to bird-watch local Seattle waters (and maybe spot an Ancient Murrelet!) and to go behind the scenes with the Burke Museum and the Seattle Aquarium.

Once again, seabird ecologist and natural science illustrator Sophie Webb has created incredible artwork for the meeting. If you ordered merchandise featuring Sophie's logo (in the official Wild Apricot storefront) please visit the registration table to pick up your gear! We will have extra merchandise on sale in person as well.

Finally, our Silent AUKtion to benefit students is up and running. Please visit Room 'Portland A' to bid early and often! The auction ends Friday, February 23, at 1pm, so get those bids in now!

Once again, welcome to the 51st Annual Meeting of the Pacific Seabird Group. We look forward to sharing this time with you.



Jackie Lindsey, Laura Koehn, and Elizabeth Phillips, Local Committee Chairs
locochair@pacificseabirdgroup.org

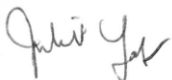
GREETINGS FROM THE PROGRAM CHAIR

As I wandered the halls of Scripps Oceanographic Institute at last year's 50th anniversary meeting, I couldn't help reflecting on the thing that keeps us coming back to PSG: the people. In-person meetings are challenging to organize. They're expensive, take us away from families and pets, and involve a carbon footprint that many of us would rather avoid. And yet, no virtual format can replace the energy of being together, discussing common challenges and hopes and working toward shared goals. Those reflections inspired this year's meeting theme: **Faces of Seabird Conservation**.

Our scientific program centers the humans that study and conserve seabirds, beginning with the giant albatross mural at registration (a local community art project!). We'll kick off with a plenary by **Dr. Sarah Converse**, whose use of decision science to inform seabird conservation, both locally in Puget Sound and throughout the Pacific, demonstrates the value of recognizing the human element in conservation planning. Wednesday's afternoon keynote will feature **Dr. Natalie Ban** and Ph.D. candidate **Jaime Ojeda**, who will discuss the importance of incorporating the experiences and perspectives of indigenous and local communities into seabird and marine conservation. **Dr. Gemma Clucas**, an extremely collaborative scientist and consummate communicator quietly revolutionizing the study of seabird diets, will present Thursday's EARS plenary. And Friday's plenary will be given by our 2024 Lifetime Achievement Award Winner, **Dr. Stephen Kress**, who has refined seabird restoration techniques used throughout the world while empowering scientists and non-scientists alike to tackle thorny conservation challenges. We'll also present a Special Achievement Award to **Linda Elliott**, founder and director of the Hawaii Wildlife Center, who inspires local communities to care for their native ecosystems by rehabilitating injured seabirds.

In addition to a full schedule of oral and poster presentations, you won't want to miss Wednesday's symposium on **Highly Pathogenic Avian Influenza**, which will bring together international experts to highlight trends and discuss responses to this emerging threat. Thursday's program will feature a Special Paper Session on **offshore wind energy development**, and an array of interactive panels and workshops on **equitable hiring, industrial-scale habitat creation for seabirds, falconry abatement** (with live falconry demonstrations!), and a **Q&A with the Bird Banding Lab** to dispel myths and provide guidance on seabird banding. We also encourage everyone to attend the **PSG Members' Meeting** at noon on Thursday (bonus: you get lunch!) and the **Conservation Committee Meeting** on Friday afternoon to learn more about PSG's work and how you (yes, you!) can get involved. Grounding our meeting theme is the **Faces of Seabird Conservation Photo Exhibit**, which will be on display throughout. The exhibit features profiles of people who keep the engines of seabird conservation running: scientists, community members, volunteers, interns, administrators, and others with a passion for engaging with and championing seabirds. This exhibit is an invitation to reflect on the extent and diverse perspectives of the humans that sustain our work, both those whose faces we see at these meetings and those we never meet.

If you take anything away from this meeting, I hope it will be a new energy to maintain and broaden PSG's human community in creative ways. It's our greatest asset, and perhaps our greatest hope.



Juliet Lamb, Scientific Program Chair

SPONSORS

We acknowledge the generous support of the following sponsors:

Marbled Murrelet



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Department of*
**FISH and
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EXHIBITORS



LAUREL MUNDY ILLUSTRATION
Wildlife & Nature Art
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DONORS

We thank the following individuals for their financial contributions.

<i>Early-Career/International Scientist</i>		<i>Student Travel Fund</i>
Kim Abplanalp Shannon Fitzgerald Elizabeth Flint Douglas Forsell Peter Hodum Jim Howard Stephen Kress Juliet Lamb Vivian Mendenhall Julia Parrish Scott Pearson	Mark Rauzon Lee Robinson Emily Runnells Roberta Swift Linda Takahashi Richard Veit Sarah Wang Ron Ydenberg Yat-tung Yu	Gary Collar Gary Falxa Che Frausto Doug Forsel Anthony Gaston Cathy Granholm Max Hoberg Daniel Roby Advance Wildlife Education Oikonos Ecosystem Knowledge

<i>PSG General Support Fund</i>		<i>Craig S. Harrison Conservation Fund</i>	<i>Former Chairs Fund</i>
Eric Baker Bryon Chin Gary Collar Simon Ducatez Max Hoberg Emma Kelsey	Emma Kelsey Sophie Lanco Bertrand Kuniko Otsuki Daniel Richards Yat-tung Yu	David Ainley Doug Forsell Robert Pitman Jeffrey Spendelow Richard Veit	Doug Forsell Roberta Swift



Pacific Seabird Group

PACIFIC SEABIRD GROUP EXECUTIVE COUNCIL FOR 2023–2024

Officers

Chair Dick Veit

Chair-elect Juliet Lamb

Past Chair Rachel Sprague

Vice-chair for Conservation Lindsay Adrean

Treasurer Pamela Michael

Secretary Lara Brenner

Representatives

Alaska and Russia Alexis Will

Washington and Oregon Amelia DuVall

Northern California Sarah Ann Thompson

Southern California, Latin America, & Hawai'i Jaime Ojeda

Non-Pacific USA Julia Gulka

Canada Kerry Woo

Asia and Oceania Jean-Baptiste Thiebot

Europe and Africa Tegan Carpenter-Kling

Student Representative Karen Lau Alarcón

Local Organizing Committee for the 2024 Annual Meeting

Jackie Lindsay - Local Committee co-Chair
Laura Koehn - Local Committee co-Chair
Elizabeth Phillips - Local Committee co-Chair

Justine Miller, Luana Events - Conference Planner
Wieteke Holthuijzen, Anna Vallery - Communications Committee co-Coordinators
Kate Stoner, Sarah Guitart - Equity, Inclusion & Diversity Committee co-Coordinators
Juliet Lamb - Chair of the Scientific Program
Dick Veit - PSG Chair
Rachel Sprague - Awards Chair
Pamela Michael and Kirsten Bixler - Treasurers
Emily Pentilla - Finance Manager

Local Committee Members:
Anna Vallery, Eve Hallock, Todd Hass, Veronica Padula, Amelia DuVall, Suzanne Dodge, Liam
Pendleton

PACIFIC SEABIRD GROUP'S DIVERSITY STATEMENT

The Pacific Seabird Group is an all-inclusive international society of professional seabird researchers and managers dedicated to the study and conservation of seabirds and their environment. PSG is committed to making diversity a core and abiding strength among our membership and all of our activities including programs, events, publishing, and professional development. Achieving diversity requires an enduring commitment to inclusion that must find full expression in the culture, values, norms and behaviors of the PSG. We support diversity in all of its forms, encompassing but not limited to age, disability status, economic circumstance, ethnicity, gender, race, religion and sexual orientation.

ACKNOWLEDGEMENTS

We would like to thank the following people and organizations for all their hard work to make this meeting possible.

Conference Planning: Justine Miller, Luana Events

Scientific Program: Juliet Lamb

Local Chairs: Jackie Lindsey, Laura Koehn, & Elizabeth Phillips

Student Events: Anna Vallery, Eve Hallock, & Liam Pendleton

Early Career Scientist Panelists: Lara Brenner, Megan Friesen, Ariel-Micaiah Heswall, Scott Pearson, & Marc Romano

Fundraising: Jackie Lindsey, Laura Koehn, & Elizabeth Phillips

Wild Apricot Conference Website Management: Wieteke Holthuijzen, Justine Miller

Silent AUKtion: Anna Vallery, Eve Hallock and all the generous donors who contributed

Social Media: Anna Vallery, Wieteke Holthuijzen, Katelynn Gulley, Cassidy Ruge, Kamyia Patel, Jenna Schlener, Ariel-Micaiah Heswall, & Olivia Townsend

Field Trip Organizing: Todd Hass, Veronica Padula, Jackie Lindsey

Field Trips: Charlie Wright, Jackie Lindsey

Program Booklet: Jackie Lindsey, Laura Koehn, Elizabeth Phillips, Juliet Lamb, Rachel Sprague, Anna Vallery, Wieteke Holthuijzen, Justine Miller

Communications: Wieteke Holthuijzen, Anna Vallery

Social Events: Eve Hallock, Liam Pendleton

Diversity, Equity, Inclusion Event: Katie Stoner, Sarah Guitart

Special Session Hosts and Discussion Organizers: Kim Abplanalp, Stephanie Avery-Gomm, Alina Blankenship, Simba Chan, Sarah Guitart, Alayna Lawson, Jennifer McKay, Scott Pearson, David Pereksta, Mark Rauzon, Katie Stoner, Roberta Swift

Volunteer Organizer: Justine Miller

Volunteers: Han-Po Chang, Tabatha Cormier, Martin Frye, Melissa Grunst, Andrea Grunst, Ariel Micaiah Heswall, Julie Howar, Laura Koehn, Carina Kusaka, Erin Leal, Jackie Lindsey, Erica Mills, Kyra Mills, Anne Mary Myers, Katie O'Reilly, Veronica Padula, Elizabeth Phillips, Marc Romano, Sara Wang, Yun Xuan, Stephani Zador

Moderators: Christina Ahlstrom, Daniel Barton, Tommy Clay, Brie Drummond, Julia Gulka, Annette Henry, Nina Karnovsky, Emma Kelsey, Michelle Kissling, Andre Raine, Marc Romano, Tammy Russell, Lauren Scopel, Rachel Sprague, Jill Tengeres, Anna Vallery, Dick Veit, Eric Wagner, Carlos Zavalaga

Student Presentation Judges: We are grateful to the volunteer judges who have reviewed the scientific presentations of students at the annual meeting: Josh Adams, Daniel Barton, Megan Boldenow, Douglas Causey, Tommy Clay, Gemma Clucas, Sarah Converse, Tabatha Cormier, Risa Dickson, Erika Dittmar, Jane Dolliver, Brie Drummond, Elizabeth Flint, Adrian Gall, Morgan Gilmour, Natasha Gownaris, Melissa Grunst, Andrew Grunst, Julia Gulka, Faiza Hafeez, Angela Hansen, Wieteke Holthuijzen, Cinthia Irigoien-Lovera, Motohiro Ito, Michael Johns, Robert Kaler, Nina Karnovsky, Laura Koehn, Jenni Learned, Robin Corcoran, Lisa Manne, Anne Mary Meyers, Kyra Mills, Patrick O'Hara, Katie O'Reilly, Veronica Padula, Julia Parrish, Martin Raphael, Marc Romano, Stephen Rossiter, Michael Schrimpf, Justin Schuetz, Lauren Scopel, Roberta Swift, Jill Tengeres, Sarah Ann Thompson, Anna Vallery, Sara Wang, Kerry Woo, Carlos Zavalaga

About the Front Cover: Our PSG 2024 Annual Meeting artwork was once again designed by seabird ecologist and natural science illustrator Sophie Webb.

This meeting is being held on Coast Salish land, specifically the ancestral land of the Duwamish, Suquamish, Stillaguamish, and Muckleshoot People. We also acknowledge that many members of this organization work with seabirds on traditional lands of numerous Tribes. We honor with gratitude the land itself and these native people, past and present.

CONFERENCE MEETINGS

We encourage all to come to Thursday's PSG Members' meeting (lunch provided) and Friday's Conservation Committee meeting, where you can learn about PSG's year-round activities and make comments or raise issues that concern you.

Tuesday, February 20

8:00 - 14:00 Executive Council Meeting
Stevens Room

8:00 - 10:00 Aleutian Tern Technical Committee
Portland A&B

8:00 - 10:00 Seabird Monitoring Committee
Discovery A&B

10:00 - 12:00 Tufted Puffin Technical Committee
Portland A&B

10:00 - 13:00 North Pacific Albatross Working Group
Discovery A&B

13:00-17:00 Marbled Murrelet Technical Committee
Discovery A&B

14:00-16:00 Northeast Asia Seabird Conservation Committee
Portland A&B

14:00 - 17:00 Scripps Murrelet, Guadalupe Murrelet, and Craveri's Murrelet Technical Committee
Stevens Room

Wednesday, February 21

12:30 - 13:30 EID Committee Meeting
Leonesa Ballroom

Thursday, February 22

12:00-13:30 PSG Members' Meeting (lunch provided)
Leonesa Ballroom

Friday, February 23

12:00 - 13:30 Past Chairs' Luncheon (private)
Stevens Room

15:30-16:30 Conservation Committee Meeting
Leonesa Ballroom

Detailed Schedule

Presenting author, * Student presenter, ^ Recorded talk

Wednesday 21 February 2024			
830	Welcome and Opening Remarks		
900	<i>PLENARY: Dr. Sarah Converse</i> ADVANCING DECISION-INSPIRED SCIENCE TO INFORM SEABIRD CONSERVATION		
1000	Coffee Break		
	Leonesa Ballroom	Princessa I	Discovery A & B
	Symposium: Highly Pathogenic Avian Influenza Chairs: Stephanie Avery-Gomm, Simba Chan, Scott Pearson	Foraging Chair: Julia Gulka	Migratory and Non-breeding Biology Chair: Brie Drummond
1030	SYMPOSIUM INTRODUCTION	SEX, BUT NOT SIZE, IS RELATED TO FORAGING SUCCESS AND EFFICIENCY IN MAGELLANIC PENGUINS Katie Holt* , Sarah Converse, Dee Boersma	WIDE-RANGING YEAR ROUND MOVEMENT OF ALEUTIAN ISLAND BREEDING CRESTED AUKLETS DURING 2011-2015 Heather L Major , Katherine F Robbins, Jill Robinson, Carley R Schacter, Jeffrey C Williams, Ian L Jones
1045	HIGH PATHOGENICITY AVIAN INFLUENZA IN SOUTH AFRICAN SEABIRDS: LESSONS LEARNT FROM RESPONSE EFFORTS AND EPIDEMIOLOGICAL OBSERVATIONS Laura Roberts , Celia Abolnik, David Roberts, Albert Snyman, Katrin Ludynia, Darrell Abernethy	DIETARY PLASTICITY OF SOCOTRA CORMORANTS IN ABU DHABI, UNITED ARAB EMIRATES Sabir Muzaffar , Mohamed Al Mussalami	NON-BREEDING ECOLOGIES OF TUFTED AND HORNED PUFFINS (FRATERCULA CIRRHATA, F. CORNICULATA) FROM THE KODIAK ARCHIPELAGO, ALASKA Katelyn Stoner* , Robin Corcoran, Megan Boldenow, Don Lyons

1100	<p>HPAI-LINKED MORTALITIES IN EASTERN CANADA: A QUIET YEAR (2023) FOLLOWS A YEAR OF MASS MORTALITIES (2022) BUT POPULATION LEVEL IMPACTS ARE EVIDENT</p> <p>Tabatha Cormier, Stephanie Avery-Gomm, Tatsiana Barychka, Matthew English, Jean-François Rail, Robert Ronconi, Sabina Wilhelm, Matthieu Beaumont, Campbell Bowser, Tori Burt, Sydney Collins, Steven Duffy, Jolene Giacinti, Scott Gilliland, Jean-François Giroux, Carina Gjerdrum, Magella Guillemette, Kathryn Hargan, Megan Jones, Andrew Kennedy, Stéphane Lair, Andrew Lang, Christine Lepage, Gretchen McPhail, William Montevecchi, Glen Parsons, Jennifer Provencher, Ishraq Rahman, Gregory Robertson, Yannick Seyer, Catherine Soos, Christopher Ward, Regina Wells, Jordan Wight, Zoe Lucas</p>	<p>SUBSTANTIAL AND CONTINUOUS USEAGE OF MESOPELAGIC MICRONECTON BY BREEDING BLACK-TAILED GULLS</p> <p>Motohiro Ito, Hikari Ozawa, Kazuhiko Hirata, Teru Kanaida</p>	<p>DIVERGENT HABITAT USE BY MIGRATORY AND RESIDENT GULLS CREATES CONTRASTING PATHWAYS FOR PATHOGEN ACQUISITION AND SPREAD</p> <p>Juliet Lamb, Thierry Boulinier</p>
1115	<p>UNPRECEDENTED MORTALITY OF PERUVIAN PELICANS (PELECANUS THAGUS) DURING THE 2022-2023 H5N1 INFLUENZA VIRUS OUTBREAK IN PERU</p> <p>Carlos Zavalaga, Cinthia Irigoin-Lovera, Diego Gonzales-DelCarpio, Sebastian Lozano-Sanllehi, Cristina Burga, Lucero Chavez, Fernando Mejia-Vargas, Jessica Oliden-Garcia</p>	<p>FLYING FISH DISTRIBUTION AND CO-OCCURRENCE WITH SOOTY TERNS IN THE NORTHERN GULF OF MEXICO</p> <p>Pamela Michael, J Chris Haney, Jeffery S. Gleason, Kathy M. Hixson, Yvan G. Satgé, Patrick G. R. Jodice</p>	<p>PUFFIN MIGRATORY CONNECTIVITY IN THE NORTHWEST ATLANTIC</p> <p>Emily Runnells*, Mark Baran, Heather Major, April Hedd, Raphael Lavoie, Dave Fifield, Tony Diamond, Gail Davoren</p>
1130	<p>STRONG REDUCTION OF PERUVIAN PELICAN (PELECANUS THAGUS) POPULATION IN PERU BY THE HIGHLY PATHOGENIC AVIAN INFLUENZA VIRUSES (HPAIVS) H1N5 AND ITS CONSERVATION IMPLICATIONS</p> <p>Cynthia Romero, María Meza, Liliana Ayala, Rodrigo Mena</p>	<p>BRIDGING SEABIRDS AND MARINE ECOSYSTEM RESEARCH IN ALASKA: RECENT EXAMPLES AND FUTURE APPROACHES</p> <p>James Thorson, Mayumi Arimitsu, John Piatt, Elizabeth Siddon</p>	<p>SEX-SPECIFIC MIGRATORY BEHAVIOR IN MAGELLANIC PENGUINS RESULTS IN MORE RISKS FOR FEMALES</p> <p>Ginger Rebstock, Dee Boersma</p>

1145	<p>PREPARE FOR THE WORST - HIGHLY PATHOGENIC AVIAN INFLUENZA IN THE EAST ASIAN AUSTRALASIAN FLYWAY</p> <p>Simba Chan</p>	<p>IDENTIFYING PREDATOR-FACILITATED FORAGING BEHAVIOR IN TROPICAL SEABIRDS USING GPS DATA IN A CORRELATED RANDOM WALK MODEL, VALIDATED WITH VIDEO AND ACCELEROMETRY</p> <p>Abigail Schiffmiller*, Greg Breed, Sara Maxwell, Scott Shaffer, Hillary Young, Michael Johns</p>	
1200	Lunch (on your own) / EID Committee Meeting		
	Leonesa Ballroom	Princessa I	Discovery A & B
	<p>Symposium: Highly Pathogenic Avian Influenza</p> <p>Chairs: Stephanie Avery-Gomm, Simba Chan, Scott Pearson</p>	<p>Fisheries and Bycatch</p> <p>Chair: Tommy Clay</p>	<p>Behavior</p> <p>Chair: Dick Veit</p>
1330	<p>AVIAN INFLUENZA RESPONSE AND SURVEILLANCE EFFORTS FOR ALASKAN SEABIRDS</p> <p>Robb Kaler, January Frost</p>	<p>INCORPORATING SEABIRD-DERIVED INFORMATION INTO U.S. FISHERIES MANAGEMENT</p> <p>Thomas Good, Stephani Zador, William Sydeman</p>	<p>DISPERSAL, RANGE EXPANSION AND COLONIZATION BY SEABIRDS</p> <p>Richard Veit, Lisa Manne</p>
1345	<p>HIGHLY PATHOGENIC AVIAN INFLUENZA H5N1 2.3.4.4B MORTALITY EVENT HAS SEVERE IMPACTS TO CASPIAN TERNS (HYDROPROGNE CASPIA) NESTING IN WASHINGTON USA AND TO THE PACIFIC FLYWAY TERN POPULATION</p> <p>Scott Pearson, Katherine Haman, Sarah Tanedo, Katie Laushman, Chad Norris, Allison Black, Lauren Frisbie, M. James Lawonn</p>	<p>PREDICTING ALBATROSS BYCATCH HOTSPOTS ACROSS THE NORTH PACIFIC OCEAN</p> <p>Thomas Clay, Scott Shaffer, Josh Adams, David Anderson, Steven Bograd, Jonathan Felis, Yuliana Bedolla Guzmán, Elliott Hazen, Michelle Hester, David Hyrenbach, Julio César Hernández Montoya, Frederick Dallas Jordan, Federico Méndez Sánchez, Bungo Nishizawa, Rachael Orben, Kiyooki Ozaki, Evaristo Rojas-Mayoral, Fumio Sato, Robert Suryan, Jean-Baptiste Thiebot, Lesley Thorne, Heather Welch, Lindsay Young, Gemma Carroll</p>	<p>DIFFERENTIAL PATTERNS OF MOVEMENT BY GULLS INDICATE MECHANISMS FOR COLONIZATION</p> <p>Lisa Manne, Richard Veit</p>

1400	<p>HIGHLY PATHOGENIC AVIAN INFLUENZA VIRUSES AFFECTING ALASKA SEABIRDS AND OTHER WILDLIFE EXHIBIT EVIDENCE OF INTERSPECIES TRANSMISSION AND GLOBALLY DIVERSE RECENT COMMON ANCESTRY</p> <p>Christina Ahlstrom, Mia Kim Torchetti, Kristina Lantz, Krista Dilione, Robert Gerlach, Kimberlee Beckmen, Megan Boldenow, Angela Matz, Eric Taylor, Bryan Daniels, David Sinnett, Laura Scott, Evan Buck, David Stallknecht, Rebecca Poulson, Julianna Lench, Andrew Ramey</p>	<p>GLOBAL PREVALENCE OF SETTING LONGLINES AT DAWN HIGHLIGHTS BYCATCH RISK FOR THREATENED ALBATROSS</p> <p>David Kroodsma, Joanna Turner, Cian Luck, Tim Hochberg, Nathan Miller, Philip Augustyn, Stephanie Prince</p>	<p>EFFECTS OF INCREASING REPRODUCTIVE COSTS ON BEHAVIOR AND TELOMERE LENGTH IN THE RHINOCEROS AUKLET, A LONG-LIVED SEABIRD</p> <p>Kazuya Matsumoto*, Kohei Oshima, Chris Tyson, Yasuaki Niizuma, Yutaka Watanuki, Tatsuki Kojima, Akiko Shoji</p>
1415	<p>A GUIDE FOR RESPONDING TO MORTALITY IN SEABIRDS CAUSED BY HIGHLY PATHOGENIC AVIAN INFLUENZA</p> <p>Trevor Thompson, Michael Brown, Émilie Bouchard, Carina Gjerdrum, Robert Ronconi, Chris Sharp, Hannah Lewis, Stephanie Avery-Gomm, Jolene Giacinti, Cynthia Pekarik</p>	<p>DETAILED SPECIES COMPOSITION, OCCURRENCE AND BEHAVIOR OF SEABIRDS SPECIES DURING THE FISHING OPERATION OF ARTISANAL LONGLINE FISHERIES, AND STRATEGIES TO PREVENT SEABIRD BYCATCH IN PERUVIAN OFFSHORE WATERS</p> <p>Javier Quiñones, Cynthia Romero, Johannes Fischer, Igor Debski</p>	<p>FACTORS DRIVING ASSORTATIVE MATING BASED ON SEABIRD PERSONALITY: INSIGHTS FROM BEHAVIORAL SYNDROME BETWEEN THE PERSONALITY AND FORAGING BEHAVIOR</p> <p>Wataru Takeda, Yusuke Goto, Ken Yoda</p>
1430	<p>HIGHLY PATHOGENIC AVIAN INFLUENZA: A PERSPECTIVE FROM THE WILD BIRD HEALTHCARE REALM</p> <p>Rebecca Duerr</p>	<p>INCIDENTAL MORTALITY OF GUANO BIRDS IN PERUVIAN PURSE SEINE FISHERY TARGETING ANCHOVY</p> <p>Cynthia Romero, Gersson Roman, María Meza, Javier Quiñones</p>	<p>A SPATIAL APPROACH TO QUANTIFYING ECOLOGICAL CAUSES AND CONSEQUENCES OF COMMON TERN AGGRESSION</p> <p>Kay Garlick-Ott*, Don Lyons, Elisha Hull</p>
1445	<p>SYMPOSIUM WRAP-UP</p>	<p>A REVIEW OF SEABIRD BYCATCH AND MITIGATION EFFORTS IN ALASKA FISHERIES FROM 2013 THROUGH 2022</p> <p>Joshua Moffi</p>	<p>AT-SEA VOCAL BEHAVIOR OF COMMON MURRES (URIA AALGE)</p> <p>Katrina Wilcox*, Gail Davoren</p>
1500	Coffee Break		
	Leonesa Ballroom	Princessa I	Discovery A & B
	<p style="text-align: center;">Symposium: Highly Pathogenic Avian Influenza</p> <p>Chairs: Stephanie Avery-Gomm, Simba Chan, Scott Pearson</p>	<p style="text-align: center;">Community Engagement</p> <p>Chair: Nina Karnovsky</p>	<p style="text-align: center;">Physiology</p> <p>Chair: Marc Romano</p>

1530	SYMPOSIUM DISCUSSION: SYNTHESIS AND NEXT STEPS	SOWING SEEDS OF FUTURES IN SEABIRD CONSERVATION THROUGH PARTICIPATION IN HABITAT RESTORATION WORK ON ANACAPA ISLAND Nina Karnovsky	BEYOND BODY CONDITION: EXPERIMENTAL EVIDENCE THAT PLASMA METABOLITES IMPROVE NUTRITIONAL STATE MEASUREMENTS IN A FREE-LIVING SEABIRD Lauren M. Jackson* , Don-Jean Léandri-Breton, Shannon Whelan, Alexandre Turmaine, Scott A. Hatch, David Grémillet, Kyle H. Elliott
1545		REGARDING THE PROTECTION OF THE CRESTED MURRELET AND OTHER RARE CREATURES IN KAMINOSEKI TOWN, YAMAGUCHI PREFECTURE, JAPAN Airi Kowata , Midori Takashima, Hisayoshi Yamamoto, Takehiro Yoshimoto	THE THERMAL STRESS RESPONSE OF AN ARCTIC SEABIRD IS MAGNIFIED BY HIGH TEMPERATURES AND SENSITIVE TO BODY CONDITION, BUT IS NOT AFFECTED BY MERCURY EXPOSURE Melissa Grunst , Andrea Grunst, David Grémillet, Jérôme Fort
1600		MEDICAL HISTORY AND POST-RELEASE SURVIVAL OF REHABILITATED CALIFORNIA BROWN PELICANS PELECANUS OCCIDENTALIS CALIFORNICUS, 2009–2019 Rebecca Duerr , Deborah Jaques, Barton Selby, Julie Skoglund, Suzanne Kosina	FORAGING STRATEGIES AND SWIMMING MODE AFFECT DIVE DURATIONS IN DIVING BIRDS Hiroya Matsushita* , Yuuki Watanabe
1615			MORE THAN MEETS THE EYE: USING SEABIRD EYEBALLS AND BRAINS TO EXPLORE THREATS TO SEABIRDS Ariel-Micaiah Heswall* , Peter Hadden, Dane Gerneke, Agustina Dominguez, Lynn Miller, Kristal Cain, Megan Friesen, Anne Gaskett
1630		PLENARY: Dr. Natalie Ban and Jaime Ojeda SEABIRD CONSERVATION: WHY PEOPLE MATTER	
1730	ECS Panel		
1830	Student-Mentor Mixer (with foraging opportunity)		
2000	Storytelling Session: Overly Honest Methods		

Thursday 22 February 2024

Presenting author, * Student presenter, ^ Recorded talk			
830	Announcements and Special Achievement Award Presentation		
900	<i>PLENARY: Dr. Gemma Clucas</i> USING DRONES, FECAL DNA, AND SATELLITE TRACKERS TO GATHER BASELINE DATA FROM THE WORLD'S LARGEST AND UNDER-STUDIED PENGUIN COLONY		
1000	Coffee Break		
	Leonesa Ballroom	Princessa I	Discovery A & B
	Contaminants, Diseases, and Toxins Chair: Christina Ahlstrom	Conservation and Policy Chair: Annette Henry	EID Workshop Chairs: Katie Stoner and Sarah Guitart
1030	SHOREBIRDS PLASTIC INGESTION: A MULTISPECIES ANALYSIS OF INGESTION RATES AND FEEDING ECOLOGY Brian Wijaya* , Anne Gaskett, Phil Battley	HOW DO MARINE PROTECTED AREAS PROTECT SEABIRDS NOW AND IN THE FUTURE? Morgan Gilmour , Josh Adams, Nick Holmes, Sara Maxwell, Scott Shaffer, Alex Wegmann	Equitable Hiring Practices In Seabird Conservation MOSAIC & PSG EID Committee
1045	CONSISTENCY OF MERCURY CONCENTRATIONS IN TAIL FEATHERS OF STREAKED SHEARWATERS Hikari Odagiri* , Sarara Azumi, Yoshinori Ikenaka, Mayumi Ishizuka, Hideshige Takada, Yoshito Chikaraishi, Ken Yoda, Jean-Baptiste Thiebot, Yutaka Watanuki	CHANGES IN SEABIRD COMMUNITIES WITHIN WEST COAST NATIONAL MARINE SANCTUARIES SINCE THE 1980'S Tammy Russell* , Jaime Jahncke, Maria Vernet, Lisa Ballance	
1100	RISK-TAKING BEHAVIOR RELATED TO MERCURY CONTAMINATION IN AN ARCTIC SEABIRD Andrea Grunst , Melissa Grunst, David Grémillet, Olivier Chastel, Salomé Friry, Aby Giraud, Antoine Grissot, Dariusz Jakubas, Akiko Kato, Katarzyna Wojczulanis-Jakubas, Jérôme Fort	NOAA FISHERIES NATIONAL SEABIRD PROGRAM: A COLLABORATIVE CONSORTIUM Annette Henry , Mi Ae Kim, Thomas Good, Lee Benaka, Joshua Moffi	
1115	ECOLOGICAL TRANSFER OF MERCURY FROM SEABIRDS TO TERRESTRIAL BIOLOGICAL COMMUNITY: INSIGHTS FROM RHINOCEROS AUKLET BREEDING GROUNDS Kohei Oshima* , Kazuya Matsumoto, Yasuaki Niizuma, Yutaka Watanuki, Shigeki Wada, Akiko Shoji	BIRD DIVERSITY, THREATS, AND CONSERVATION PLAN IN NORTHERN LAKES, EGYPT Basma Sheta	

1130	THE POTENTIAL ROLES OF ALGAL BIOTOXINS AND AVIAN INFLUENZA IN A RECENT AVIAN MORTALITY EVENT IN THE NEAR ISLANDS Elizabeth Byrd, Douglas Causey , Eric Bortz	SEABIRD RESEARCH AND CONSERVATION IN THE NORTH INDIAN OCEAN: A REVIEW OF PAST AND CURRENT STUDIES, CONSERVATION AND POLICY FRAMEWORKS Ravichandra Mondreti ^	
1145	PARALYTIC SHELLFISH TOXIN (SAXITOXIN) IN MARINE FOOD WEBS ACROSS ALASKA AND ASSOCIATION WITH SEABIRD DIE-OFFS Sarah Schoen , Mayumi Arimitsu, Naomi Bargmann, Smith Matthew, John Piatt	PROPOSED SEABIRD SURVEYS WITHIN OLYMPIC COAST NATIONAL MARINE SANCTUARY Tammy Russell* , Andrew Micks, Jenny Waddell	
1200	Lunch (provided) and PSG Members' Meeting - All Welcome		
	Leonesa Ballroom	Princessa I	Discovery A & B
	Special Paper Session: Offshore Wind Energy and Seabirds Chair: Emma Kelsey	Breeding Biology Chair: Eric Wagner	Population Monitoring Chair: Jill Tengeres
1330	EVALUATING POTENTIAL DISPLACEMENT IMPACTS OF OFFSHORE WIND DEVELOPMENT ON LEACH'S STORM-PETRELS HYDROBATES LEUCORHOUS Keenan Yakola* , Don Lyons	TO BREED OR NOT TO BREED: PATTERNS OF SKIPPED BREEDING AND REPRODUCTIVE SUCCESS IN MAGELLANIC PENGUINS (<i>SPHENISCUS MAGELLANICUS</i>) Eric Wagner , P. Dee Boersma	ESTIMATING THE NUMBER OF BREEDING PAIRS OF WEDGE-TAILED SHEARWATERS (<i>ARDENA PACIFICA</i>) IN MAUI NUI BASED ON OCCUPANCY RATES Mariah Rivera , Jennifer Learned, Martin Frye, Skye Anderson, Cheryl King, Joshua DeCambra, Jay Penniman
1345	TWO NOVEL APPROACHES GENERATE INSIGHT INTO SEABIRD INTERACTIONS WITH PLANNED FLOATING OFFSHORE WIND FACILITIES ALONG THE U.S. WEST COAST Scott Terrill , Stephanie Schneider, Sophie Bernstein, Sharon Kramer, David Ainley, Shari Matzner	ACCOUNTING FOR MULTIPLE SOURCES OF UNCERTAINTY WHEN ESTIMATING REPRODUCTIVE SUCCESS OF ENDANGERED HAWAIIAN PETRELS ('UA'U, <i>PTERODROMA SANDWICHENSIS</i>) ON LĀNA'I Justin Schuetz , Rachel Sprague, Jonathan Sprague, Grazel Caceres, Christina Pisani, John Deslippe	POPULATION ESTIMATES AND CONSERVATION CONCERNS OF ALEUTIAN TERNS BREEDING IN THE KODIAK ARCHIPELAGO Robin Corcoran , Jill Tengeres

1400	<p>UPDATED MARINE BIRD VULNERABILITY INDEX TO INFORM RISKS OF OFFSHORE WIND ENERGY PROJECTS WITHIN THE PACIFIC OUTER CONTINENTAL SHELF REGION</p> <p>Emma Kelsey, Josh Adams, Jonathan Felis, David Pereksta</p>	<p>FAMILIARITY AND COMPLEMENTARITY: DIVERGENT CONTRIBUTIONS OF MALE AND FEMALE CASSIN'S AUKLETS TO REPRODUCTIVE OUTCOMES WITH MATE FAMILIARITY</p> <p>Amy Yanagitsuru, Christopher Tyson, Frédéric Angelier, Mike Johns, Thomas Hahn, John Wingfield, Haley Land-Miller, Amanda Spears, Rebecca Forney, Elisha Hull</p>	<p>AN ALASKA-WIDE SURVEY FOR ALEUTIAN TERNS: YEAR ONE</p> <p>Heather Renner, Megan Boldenow, Robin Corcoran, Robert Kaler, Michael Goldstein, Donald Lyons, Trent McDonald, Elizabeth Moore, Susan Oehlers, Martin Renner, Anne Schaefer</p>
1415	<p>GUIDANCE FOR DETECTING CHANGES IN SEABIRD DISTRIBUTIONS AND HABITAT USE RELATED TO OFFSHORE WIND ENERGY DEVELOPMENT IN THE UNITED STATES</p> <p>Julia Gulka, Kate Williams, Iain Stenhouse, Holly Goyert, Edward Jenkins, Kate McClellan Press, Caleb Spiegel, Tim White</p>	<p>PARENTAL DUTIES AND FEEDING STRATEGIES IN RED-BILLED TROPICBIRDS (PHAETHON AETHEREUS) DURING THE BREEDING SEASON</p> <p>Alberto Piña-Ortiz^{*^}, Diego Adolfo González-Zamora, Jesica Andrea Paz, Salvador Hernández-Vázquez, Eric Mellink, Paco Bustamante, José Alfredo Castillo-Guerrero, Petra Quillfeldt</p>	<p>OPTIMIZING RANGE-WIDE MONITORING STRATEGY FOR TUFTED PUFFINS</p> <p>Matthew Farr, Beth Gardner, Lisanne Petracca, Peter Hodum, Robb Kaler, Scott Pearson, Heather Renner, Sarah Converse</p>
1430	<p>COULD AN OCEANIC JOINT VENTURE WORK FOR SEABIRDS?</p> <p>Brad Keitt, Sea McKeon</p>	<p>EVALUATING THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON PIGEON GUILLEMOT BREEDING SUCCESS IN THE SALISH SEA</p> <p>Liam Pendleton[*], Lee Robinson, Eric Wagner, Scott Pearson, Susan Thomas, Sarah Converse</p>	<p>DO MORE WITH LESS: IMPROVING THE EFFICENCY OF SEABIRD ATTENDANCE MONITORING ON ST. GEORGE ISLAND</p> <p>Matthew Rustand, Jared Laufenberg</p>
1445	<p>DEVELOPING A PROCESS TO FUND OFFSETS FOR CUMULATIVE RESIDUAL IMPACTS OF OFFSHORE WIND ENERGY TO MARINE BIRDS</p> <p>Aspen Ellis[*], Evan Adams, Aonghais Cook, Wing Goodale, Holly Goyert, Julia Gulka, Kate Searle, Elizabeth Masden, Kate Williams, Donald Croll</p>	<p>ASSESSING THE IMPACTS OF PREDATION AND PREY AVAILABILITY ON NESTING CALIFORNIA LEAST TERNS IN CENTRAL CALIFORNIA</p> <p>Dan Robinette, Emily Rice, Nadav Nur, Jaime Jahncke</p>	
1500	Coffee Break		
	Leonesa Ballroom	Princessa I	Discovery A & B
	<p>Predator Management and Habitat Creation</p> <p>Chair: Rachel Sprague</p>	<p>Risk Assessment and Threats</p> <p>Chair: Daniel Barton</p>	<p>Population Dynamics</p> <p>Chair: Michelle Kissling</p>
1530	<p>INVESTIGATION OF BARN OWL DIET AND PREDATION ON SEABIRDS ON KAUA'I</p> <p>Anne Wiley, Alex Dutcher, Taylor Wilcox, Joanna Elmore, Andre Raine, Kyle Pias</p>	<p>STATUS OF TRINIDAD, CALIFORNIA COMMON MURRE COLONIES AND INTERACTIONS WITH RAVENS, EAGLES, AND CLIMATE EXTREMES</p> <p>Daniel Barton, Lily Stricker, Jocelyn Garcia</p>	<p>EXPLORING K-VALUES TO IMPROVE MURRE POPULATION ESTIMATES AT ALASKA MARITIME NATIONAL WILDLIFE REFUGE MONITORING SITES</p> <p>Brie Drummond, Heather Renner,</p>

			Nora Rojek
1545	‘ĀINA OLA O HI‘I: FENCE CONSTRUCTION AND PREDATOR REMOVAL IN HAWAII’S LARGEST MONTANE PREDATOR-EXCLUSION AREA ON THE ISLAND OF LĀNA‘I Rachel Sprague , John Deslippe	WHO, WHAT AND WHEN? USING A DETAILED ASSESSMENT OF THE BREEDING PHENOLOGY OF TWO ENDANGERED SEABIRDS TO INFORM POWERLINE COLLISION RISK ANALYSIS Andre Raine , Marc Travers, Scott Driskill, Jennifer Rothe, Karim Hanna	ACCOUNTING FOR NON-BREEDING WHEN ESTIMATING POPULATION DYNAMICS OF A LONG-LIVED SEABIRD, THE KITTLITZ’S MURRELET Michelle Kissling , Paul Lukacs, Scott Gende, Grey Pendleton, Jonathan Felis
1600	BRIDGING SUCCESS: NAVIGATING THE RECOVERY OF THE DOUBLE-CRESTED CORMORANT IN THE STRAIT OF GEORGIA AMID URBAN AND ECOLOGICAL CHALLENGES Samantha Broadley* , Rachel Stapleton, Ruth Joy	EXPOSURE RISK FOR ALCIDS FROM MARINE VESSEL ASSOCIATED OIL POLLUTION IN WESTERN CANADA Patrick O’Hara , Douglas Bertram, Sonya Pastran, Alexandra King, Ken Morgan, Caroline Fox, Shanti Davis, Gary Kaiser, Laurie Wilson, Vivian Pattison, Yuri Zharikov	VARYING POPULATION SIZE OF THE CAPE ROYDS ADÉLIE PENGUIN COLONY, 1955-2020: A SYNTHESIS David Ainley , Virginia Morandini, Megan Elrod, Michelle LaRue, Kerry Barton, Phil Lyver, Jean Pennycook
1615	BUILD AN ISLAND – TERNS WILL COME! Kim Abplanalp , David F. Brinker, David Curson, Roman Jesien	FROM MONTHS TO MINUTES: REAL-TIME BIOSECURITY MONITORING FOR SEABIRD CONSERVATION USING WIRELESS CAMERA TRAPS & AI Nathaniel Rindlaub, Nick Holmes, Lara Brenner , Juliana Matos, Sue Pollock, Scott Meyler, Falk Schuetzenmeister	HISTORY AND SIGNIFICANCE OF ALBATROSS BANDING EFFORTS AT MIDWAY ATOLL, 1936-2023 Jonathan Plissner , Beth Flint, Jennifer McKay
1630	Workshop BEYOND RESTORATION — THE NEEDS AND CHALLENGES OF CREATING INDUSTRIAL SCALE SEABIRD HABITAT	Workshop FALCONRY ABATEMENT — A NONLETHAL HAZING PRACTICE Alina Blankenship, Alayna Lawson <i>(partially outdoors)</i>	Workshop MYTHS AND MISCONCEPTIONS AND THE BIRD BANDING LAB Jennifer McKay, Roberta Swift
1645			
1700			
1715	Mark Rauzon, Kim Abplanalp, David Pereksta		
1730	Chairs' Round Table		
1900	Poster Session (with foraging opportunity)		

Friday 23 February 2024

Presenting author, * Student presenter, ^ Recorded talk

830	Announcements and Lifetime Achievement Award Presentation		
900	PLENARY - Dr. Stephen Kress LESSONS FROM 50 YEARS OF ACTIVE SEABIRD RESTORATION: USING AVIAN BEHAVIOR FOR CONSERVATION		
1000	Coffee Break		
	Leonesa Ballroom	Princessa I	Discovery A & B
	Climate Change Chair: Lauren Scopel	Habitats and Distribution Chair: Carlos Zavalaga	Restoration Chair: Andre Raine
1030	VARIABILITY OF THE DIETARY COMPOSITION OF GUANAY CORMORANTS (PHALACROCORAX BOUGAINVILLIUS) ALONG THE PERUVIAN COAST IN THREE DIFFERENT EL NIÑO EVENTS Maria Andrea Meza-Torres*, Cynthia Romero , Jhonatan Esplana, Delia Vega	WHOLE GENOME SEQUENCING REVEALS STEPPING-STONE DISPERSAL BUFFERED AGAINST FOUNDER EFFECTS IN A RANGE EXPANDING SEABIRD Rachael Herman , Gemma Clucas, Jane Younger, John Bates, Bryce Robinson, Sushma Reddy, Julia Stepanuk, Katie O'Brien, Krishna Veeramah, Heather Lynch	NIHOKU ECOSYSTEM RESTORATION PROJECT: HAWAIIAN PETREL AND NEWELL'S SHEARWATER POST-TRANSLOCATION OUTCOMES Lauren Pederson , Dylan Blanchard, Lindsay Young, Robert Kohley, Eric VanderWerf, Leilani Fowlke, Erika Dittmar, Andre Raine
1045	VARIED BREEDING RESPONSES OF SEABIRDS TO A REGIME SHIFT IN PREY BASE IN THE GULF OF MAINE Lauren Scopel , Antony Diamond, Stephen Kress, Paula Shannon	PETRELS IN THE DESERT: DIEL, SEASONAL AND SPATIAL PATTERNS OF MARKHAM'S STORM-PETREL (HYDROBATES MARKHAMI): PAMPA PERDIZ COLONY, ATACAMA DESERT, CHILE Maya Philipp* , Abram Fleishman, Jeff Schlueter, Cristian Pinto, Rodrigo Silva, Brad Keitt	STATUS OF SOCIAL ATTRACTION AND TRANSLOCATION OF 4 SEABIRD SPECIES ON O'AHU, HAWAI'I Eric VanderWerf, Robby Kohley, Erika Dittmar , Leilani Fowlke, Kelly Goodale
1100	MARBLED MURRELET CHICK PROVISIONING UNDER DIVERGENT OCEAN CONDITIONS Cecelia E. Frisinger* , Jonathan C. Dachenhaus, Kaitlyn E. Osborne, Daniel D. Roby, S. Kim Nelson, Matthew G. Betts, James W. Rivers	SPATIO-TEMPORAL DISTRIBUTION OF HORNBY'S STORM PETREL (HYDROBATES HORNBYI) (GRAY, 1854) IN PERU Cynthia Romero	THE STATUS OF CRAVERI'S MURRELETS ON ALCATRAZ AND SAN PEDRO MÁRTIR ISLANDS IN THE GULF OF CALIFORNIA, MEXICO Jaime Martinez, Lauren Dolinski , Paulina Camarena, Lorayne Meltzer
1115	EVALUATING CLIMATE IMPACTS ON DIET AND PRODUCTIVITY IN CALIFORNIA LEAST TERNS Erica Mills*	VEGETATION COVER AND LANDSCAPE FEATURES PREDICT BREEDING SEABIRD SPACE USE ON A PACIFIC ATOLL Eve Hallock* , Sarah Converse, Jayna DeVore, Amelia DuVall, Beth Gardner	IMPACT OF INVASIVE RODENT ON STREAKED SHEARWATERS (CALONECTRIS LEUCOMELAS) BREEDING ON MIENHUA ISLET, TAIWAN Han-Po Chang* , Chung-Hang Hung, Hsiao-Wei Yuan, Yun-Xuan Lin, An Chou

1130	CLIMATE CHANGE IMPACTS ON BREEDING PHENOLOGY OF AN ENDANGERED SEABIRD Nacho Vilchis , Rachel Smith, Justin Schuetz	OPTIMIZING NUMBER AND DISTRIBUTION OF TRANSMITTERS TO MAXIMIZE POPULATION-LEVEL REPRESENTATIVENESS IN AUTOMATED RADIO TELEMETRY STUDIES OF ANIMAL MOVEMENT Juliet Lamb , Pam Loring, Peter Paton	HOW LOW IS LOW ENOUGH? RESTORING SEABIRD POPULATIONS IN INVADED ECOSYSTEMS Michael Fox* , Todd Landers, Brendon Dunphy, James Russell
1145	DIFFERENTIAL RESPONSE OF NEST SURVIVAL TO OCEANOGRAPHIC CONDITIONS INDICATES LOCALIZED ADAPTATIONS FOR CASSIN'S AUKLET (PYTCHORAMPHUS ALEUTICUS) AT THE CALIFORNIA CHANNEL ISLANDS Amelia J DuVall* , Josh Adams, David Mazurkiewicz, Catherine A Carter, Sarah J Converse	IDENTIFYING "IN SITU" NORTHERN BULLER'S ALBATROSS (THALASSARCHE BULLERI PLATEI) DURING THE ARTISANAL LONGLINE FISHERY IN OFFSHORE WATERS OF SOUTHERN PERÚ Javier Quiñones, Christopher Robertson, Carlos Zavalaga	
1200	Lunch (on your own) / Past Chairs' Luncheon		
	Leonesa Ballroom	Princessa I	Discovery A & B
	Tools and Techniques Chair: Anna Vallery	At-sea Habitat Use Chair: Tammy Russell	
1330	SEEING THE BIGGER PICTURE: USING AERIAL PHOTOGRAPHY TO ASSESS TUFTED PUFFIN HABITAT ON THE OREGON COAST Carina Kusaka* , Melanie Davis, James Peterson, Shawn Stephensen	NICHE PARTITIONING BETWEEN SYMPATRIC ATLANTIC PUFFINS (FRATERCULA ARCTICA) AND RAZORBILLS (ALCA TORDA) DURING THE PRE-LAYING PERIOD IN THE NORTH ATLANTIC Kristina McOmber* , Gail Davoren	
1345	IMAGERY ANALYSIS FOR DEVELOPING A NEW ACCURATE ESTIMATION METHOD OF PERUVIAN GUANO BIRDS Cynthia Irigoien-Lovera , Mathieu Bonneau, Carlos Zavalaga, Guillermo Luna-Jorquera, Teo Cochou	DIVERGENT FORAGING EFFORT OF ATLANTIC PUFFINS AND RAZORBILLS IN COASTAL NEWFOUNDLAND, CANADA Megan Dalton* , Matthew Legard, Kristina McOmber, Gail Davoren	
1400	TRAIL CAMERAS, GOPROS, AND THEIR ABILITY TO MONITOR COMMON AND ROSEATE TERN CHICK PROVISIONING Sarah Guitart* , Michelle Staudinger	IMPROVING DISTANCE SAMPLING METHODS FOR BIRDS IN FLIGHT Michael Schrimpf , Alison Johnston, Wesley Hochachka	

1415	<p>AN UPDATE ON THE DEVELOPMENT OF MACHINE LEARNING TOOLS FOR PRECISION WATERBIRD MONITORING</p> <p>Anna Vallery, Krish Kabra, Richard Gibbons, Arko Barman</p>	<p>CORMORANT OCEANOGRAPHY PROJECT: INSIGHTS FROM CORMORANT MOVEMENT ECOLOGY AND OCEAN OBSERVING OPPORTUNITIES</p> <p>Adam Peck-Richardson, Alexa Piggott, James Lerczak, Greg Wilson, Jessica Garwood, Xiaohui Liu, Tycho Anker-Nilssen, John P. Y. Arnould, Thomas Cansse, Susana Cárdenas-Alayza, Nina Dehnhard, Mindaugas Dagys, Annette Fayet, Alexa D. Foster, Stefan Garthe, Scott A. Hatch, Michael E. Johns, Miran Kim, Kate Layton-Matthews, Ariel Lenske, Gregory T. W. McClelland, Julius Morkūnas, Sabir Bin Muzaffar, Mahendiran Mylswamy, Gayomini Panagoda, Victor R. A. Pimenta, Flavio Quintana, Matt J. Rayner, Tone Kristin Reiertsen, Sampath S. Seneviratne, Mariëlle van Toor, Pete Warzybok, Eleanor A. Weideman, Yat-Tung Yu, Carlos B. Zavalaga, Rachael Orben</p>	
1430	<p>DEEP LEARNING APPLICATIONS ON REMOTE ISLANDS WITH ACOUSTIC IDENTIFICATION AND POPULATION MONITORING OF BURROW-NESTING SEABIRDS</p> <p>An Chou, Chung-Hang Hung, Hsiao-Wei Yuan</p>	<p>FROM MUSING TO MARVELLING: INROADS INTO UNDERSTANDING PENGUINS AT SEA</p> <p>David Ainley, Rory Wilson</p>	
1445	<p>ACOUSTIC SURVEYS FOR JAPANESE MURRELETS SYNTHLIBORAMPHUS WUMIZUSUME AT BIROJIMA, MIYAZAKI JAPAN</p> <p>Kuniko Otsuki, Yoshitaka Minowa, Nina Karnovsky, Maria Kai</p>		
1500	Coffee Break		
1530	Conservation Committee Meeting -- All Welcome		
1630	Break		
1900	Closing Celebration: Dessert Buffet, Awards Ceremony, and Dancing		

POSTERS

*Note: **bold** indicates presenting author, * indicates student presenter*

Poster #	Poster Title	Topic
1	<p style="text-align: center;">THE SUCCESSFUL FLEDGE OF A MARBLED MURRELET IN OREGON USING WILDLIFE REHABILITATION TECHNIQUES</p> <p style="text-align: center;">Ginger Nealon*, Erica Long-Bobian, Stefanie Collar</p>	Breeding biology
2	<p style="text-align: center;">PREDATOR DISTURBANCE CONTRIBUTED TO COMMON MURRE URIA AALGE BREEDING FAILURES IN COOK INLET, ALASKA, FOLLOWING THE 2014–16 PACIFIC MARINE HEATWAVE</p> <p style="text-align: center;">Caitlin Marsteller, Mayumi Arimitsu, Sarah Schoen, Sam Stark, John Piatt</p>	Breeding biology
3	<p style="text-align: center;">CONTINUED OBSERVATIONS OF ASSORTATIVE MATE CHOICE IN A SYMPATRIC COLONY OF BROWN BOOBY SUBSPECIES IN MAUI COUNTY</p> <p style="text-align: center;">Martin Frye, Eric VanderWerf, Jenni Learned, Zach Pezzillo, Alex Calma, Sophia Rooney, Skye Anderson, Cheryl King, Mariah Rivera, Joshua DeCambra, Jay Penniman</p>	Breeding biology
4	<p style="text-align: center;">DEVELOPMENT OF A COMMUNITY ART PROJECT TO BUILD AWARENESS OF PLASTIC POLLUTION</p> <p style="text-align: center;">Oxana Sistla*</p>	Citizen science, outreach, and local engagement
5	<p style="text-align: center;">A “DARK SKIES” PROGRAM HAS REDUCED SEABIRD LIGHT ATTRACTION FALLOUT AT PMRF</p> <p style="text-align: center;">Leah Miller, Stephen Rossiter, Daniela Casillas, Tessa Broholm, Katherine Finney, Brooke McFarland</p>	Citizen science, outreach, and local engagement
6	<p style="text-align: center;">LOCAL COMMUNITY PARTNERSHIPS ENABLE MONITORING OF SEABIRDS IN REMOTE BRITISH COLUMBIA</p> <p style="text-align: center;">Angela Hansen, Liam Ragan</p>	Citizen science, outreach, and local engagement
7	<p style="text-align: center;">HIGH PACIFIC DECADAL OSCILLATION INDEX IS ASSOCIATED WITH POOR FORAGING CONDITIONS OF RHINOCEROS AUKLETS ACROSS THEIR ANNUAL CYCLE</p> <p style="text-align: center;">Ui Shimabukuro, Akinori Takahashi, Jean-Baptiste Thiebot, Alexis Will, Yasuaki Niizuma, Yutaka Watanuki, Alexander S. Kitaysky</p>	Climate change effects
8	<p style="text-align: center;">ANNUAL CHANGES IN COMMON MURRE (URIA AALGE) CHICK PROVISIONING: SOME YEARS ARE BETTER THAN OTHERS</p> <p style="text-align: center;">Jacque McKay*, William L. Kennerley, Robert Suryan, Amanda Gladics, Rachael A. Orben</p>	Climate change effects
9	<p style="text-align: center;">THE ECOLOGICAL RESPONSES OF RHINOCEROS AUKLETS ON LONG-TERM AND SHORT-TERM MARINE ENVIRONMENTAL EVENTS</p> <p style="text-align: center;">Hikari Ozawa*, Nanaka Tojo, Teru Kanaida, Shunsuke Nibe, Kohei Oshima, Ui Shimabukuro, Kazuhiko Hirata, Motohiro Ito</p>	Climate change effects
10	<p style="text-align: center;">TEMPORAL CHANGE IN DISTRIBUTION AND QUANTITY OF KITTLITZ’S MURRELET NESTING HABITAT IN THE KENAI FJORDS REGION</p> <p style="text-align: center;">Brendan Higgins*, Tuula Hollmen</p>	Climate change effects
11	<p style="text-align: center;">TESTING FOR SYNCHRONY IN TEMPORAL CHANGES IN SEABIRD PREY USE ACROSS NORTHERN HEMISPHERE ECOSYSTEMS</p> <p style="text-align: center;">Sarah Ann Thompson, Helen Killeen, William Sydeman, Brian Hoover, Erendira Ceballos, Trond Kristiansen, Gammon Koval, Marisol Garcia-Reyes</p>	Climate change effects

12	HAWAIIAN PETRELS AND NEWELL'S SHEARWATERS ON O'AHU, HAWAI'I Lindsay Young, Eric VanderWerf, Erika Dittmar , Zoey Gustafson, Chris Miller	Conservation, restoration, and policy
13	A LEGACY OF RESTORATION: A REVIEW OF CALIFORNIA NATURAL RESOURCE DAMAGE ASSESSMENT RESTORATION FUNDED SEABIRD RESTORATION PROJECTS OVER THE LAST DECADES Jennifer Boyce , Annie Little, Carolyn Marn, Laird Henkel	Conservation, restoration, and policy
14	TMX RECOMMENDATION 3: UPDATES AND PATH FORWARD Nikolas Clyde , Caroline Fox, Natalie Lund	Conservation, restoration, and policy
15	ANALYSIS OF LAYSAN ALBATROSS DIETS FROM TWO COLONIES ON OAHU, HAWAII Philip Duchild* , Nina Karnovsky, Lindsay Young	Conservation, restoration, and policy
16	SIGNS OF SUCCESSFUL SEABIRD SOCIAL ATTRACTION AT PALMYRA ATOLL Katie Franklin, Dana Sabine , Alex Wegmann, Nick Holmes	Conservation, restoration, and policy
17	USING GAME CAMERAS AT TRAP LOCATIONS TO FURTHER INVESTIGATE TRAP EFFECTIVENESS AND PREDATOR BEHAVIOR Joshua DeCambra	Conservation, restoration, and policy
18	THE STAMP EGG COLLECTION AT THE NIST BIOREPOSITORY Jennifer Hoguet , Rebecca Pugh	Contaminants and disease
19	FEATHER CORTICOSTERONE INFERS DIFFERING FORAGING RESPONSES BY TWO PERUVIAN SEABIRDS TO INTERANNUAL ENVIRONMENTAL VARIATION Sara Wang* , Isabella Díaz-Santibañez, Diego Gonzales-DelCarpio, Cinthia Irigoien-Lovera, Christine Lattin, Michael Polito	Foraging and fisheries
20	SEX-RELATED VARIATION IN THE DISTRIBUTION AND RELATION WITH LONGLINE FISHERIES OF BLACK-FOOTED ALBATROSSES Haruka Hayashi, Bungo Nishizawa, Naoki Tomita, Daisuke Ochi	Foraging and fisheries
21	BLACK SKIMMER (RYNCHOPS NIGER) DIET USE AS COMPARED TO AVAILABILITY Ellie Madigan* , Collette Lauzau	Foraging and fisheries
22	A POTENTIAL TRACKING RESEARCH OF SENKAKU-TYPE SHORT-TAILED ALBATROSS IN TAIWAN Yun-Xuan Lin , Scott Shaffer, Rachael Orben, Hsiao-Wei Yuan, Chung-Hang Hung, Han-Po Chang, An Chou	Habitats and distribution
23	COMBINING BIO-LOGGING, STABLE ISOTOPES AND DNA METABARCODING TO REVEAL THE FORAGING ECOLOGY AND DIET OF THE ENDANGERED BERMUDA PETREL PTERODROMA CAHOW Letizia Campioni, Francesco Ventura, José Pedro Granadeiro, Jeremy Madeiros, Carina Gjerdrum , Mónica Silva	Habitats and distribution
24	HABITAT ENHANCEMENT AND SITE SELECTION OF CALIFORNIA LEAST TERNS Kristina Wolf , Rachel Smith, Ron Swaisgood, Taylor Garner, Elena Oey, Nacho Vilchis	Habitats and distribution
25	UPDATED STATUS OF RED FOOTED BOOBIES IN MAUI NUI Sophia Rooney , Alex Calma, Jennifer Learned, Martin Frye, Mariah Rivera, Joshua DeCambra, Jay Penniman	Habitats and distribution

26	CHARACTERISTICS OF ACTIVE MARBLED MURRELET NEST SITES IN OREGON Ethan Woodis* , James Rivers, S. Kim Nelson, Daniel Roby, Matthew Betts	Habitats and distribution
27	STABLE ISOTOPE ANALYSIS REVEALS PRIMARY FLIGHT FEATHER MOULT PATTERNS OF ATLANTIC PUFFINS (FRATERCULA ARCTICA) Carolyn Currie* , Emily Runnells, Gail Davoren	Migratory and non-breeding biology
28	THE HABITAT SELECTION OF BLACK-TAILED GULL DURING BREEDING AND NON-BREEDING PERIODS Teru Kanaida* , Hikari Ozawa, Kazuhiko Hirata, Ui Shimabukuro, Motohiro Ito	Migratory and non-breeding biology
29	THE HOME RANGE AND BREEDING SEASON MOVEMENT OF BRIDLED TERNS ONYCHOPRION ANAETHETUSIN HONG KONG, SOUTH CHINA Chun Ting Chung , Yat Tung Yu	Movement and behavior
30	INVESTIGATING ALEUTIAN TERN BREEDING AND MIGRATION SEASON MOVEMENTS USING SATELLITE TELEMETRY 2019-2023 Robin Corcoran , Jill Tengeres, Don Lyons, Kelly Nesvacil, Tory Rhoads, Susan Oehlers, Timothy Lawes, Katelyn Stoner	Movement and behavior
31	UPDATE ON THE ABUNDANCE AND DISTRIBUTION OF MACARONI PENGUINS (EUDYPTES CHRYSOLOPHUS) IN THE ANTARCTIC PENINSULA REGION Madeline Hallet* , Heather Lynch	Population dynamics and trends
32	MARINE BIRD POPULATIONS TRENDS IN PRINCE WILLIAM SOUND, ALASKA, 1989-2022 Robb Kaler	Population dynamics and trends
33	MULTIPLE OBSERVER COMPARISON OF SATELLITE-BASED COUNTS OF THE ENDANGERED SHORT-TAILED ALBATROSS (PHOEBASTRIA ALBATRUS) Risa Dickson, Jane Dolliver , Jennifer Spegon, Kristopher Pacheco, Rachael Orben	Population dynamics and trends
34	ASSESSING FACTORS THAT AFFECT MARBLED MURRELET FORAGING BEHAVIORS IN THE SOUTH PUGET SOUND Erik Grey* , Peter Hodum	Population dynamics and trends
35	GAINING NEW INSIGHTS INTO SEABIRD PRE-LAYING BEHAVIOUR USING ARCHIVED GEOLOCATOR DATASETS Kristina McOmber* , Gail Davoren	Tools and techniques
36	PREY SIZE ESTIMATION FOR SEABIRDS TRANSPORTING PREY TO THEIR NESTS IN THEIR BILLS USING FREE, OPEN-SOURCE SOFTWARE Kaitlyn E. Osborne , Cecelia E. Frisinger, Daniel D. Roby, James W. Rivers	Tools and techniques
37	MONITORING GROWTH OF COMMON MURRES FROM WILD EGGS RAISED IN CAPTIVITY Jenna Schlenner , Tuula Hollmen, Kristen Steinmetzer, Aidan Lee, Matthew Smith	Tools and techniques
38	HIDDEN MARKOV MODELS IDENTIFY REGIME SHIFT FROM SEABIRD AT-SEA-DENSITY IN THE NORTHERN CALIFORNIA CURRENT Zoe Rand* , Eric Ward, Jen Zamon, Thomas Good	Tools and techniques

PSG 2024 Special Achievement Award Recipient Linda Elliott



Linda Elliott is the Founder, President and Center Director of the Hawai'i Wildlife Center. She is a graduate of Kalaheo High school on O'ahu, attended the University of Hawai'i at Mānoa, and holds a degree in Wildlife Biology from Arizona State University. Linda's dedication to wildlife began before she was ten years old. She will tell you that her earliest life-defining moment was when she saw the movie, *Born Free*. From that point forward Linda has pursued her passion for wildlife and conservation. Her father's military career brought her family to Hawai'i in 1974, sparking her interest in island wildlife and ecosystems. Linda began her wildlife conservation career at the Honolulu Zoo with reptiles, birds and mammals, successfully running the Zoo's wildlife health center. She developed major improvements and standards for the care of captive animals at the Zoo and for a national resort corporation, including unique public-private partnerships.

Linda began providing wildlife rehabilitation services in Hawai'i in 1988 as the Wildlife Manager of a partnership program with State and Federal wildlife agencies. A resort sponsored this program and made available a set of unique resources to support it. However, the program ended in 1994 with a change in ownership of the resort, and this left the state without a wildlife rehabilitation center. Linda stepped into this void by founding the first dedicated wildlife rehabilitation hospital in Hawai'i, which broke ground in 2008 and welcomed its first patient in 2012. In the first 10 years of the Hawai'i Wildlife Center, she single handedly (at first) built a community of supporters, raised money for a facility, and created a valuable resource for the entire State of Hawai'i and other islands in the tropical Pacific. The hospital reached its 1,000th patient milestone in 2020, and its 2,000th patient milestone in 2021! Of the 70+ native taxa they care for, 90% are federally threatened, endangered, or of high conservation concern.

Linda is the only oiled wildlife response manager in the region, with over two decades of experience as an educator, supervisor and emergency response manager. She is a leading member of an international wildlife emergency response team, participating in eighteen international rescue operations to date. As Rehabilitation Director for the world's largest and most successful oiled penguin response in South Africa, Linda was instrumental in releasing 93% of 20,000 treated penguins. More recently, Linda was the Animal Care Manager with Focus Wildlife International rescuing nearly 3,000 oiled birds, mammals, and freshwater turtles at the Marshall Michigan oil pipeline leak on the Kalamazoo River in 2010. Linda also works on recovery and conservation in partnership with Hawai'i and U.S. territorial governments, including translocating Laysan ducks to Kure Atoll State Wildlife Sanctuary in Papahānaumokuākea Marine National Monument and teaching wildlife response courses throughout Hawai'i, Guam, and the Commonwealth of the Northern Mariana Islands.

The Hawai'i Wildlife Center has recently been part of a coordinated effort to rescue downed White Terns that cannot be returned to their own nest sites with the group Hui Manu o Ku, coordinate transport to the airport by volunteer drivers, care for the chicks at the Hawai'i Wildlife Center, and then release them at the Honolulu Zoo. The long post-fledging care system of White Terns is simulated by volunteers feeding the chicks at the release site until they gain proficiency to catch prey on their own. The Manu-o-Ku (White Tern) soft release program partnership of the Hawai'i Wildlife Center and the Honolulu Zoo was awarded the Plume Award of the Association of Zoos and Aquariums (AZA) Avian Scientific Advisory Group.

PSG 2024: PLENARY SPEAKERS

DR. SARAH CONVERSE

Wednesday February 21

09:00 – 10:00

Leonesa Ballroom

Sarah Converse is the Unit Leader of the US Geological Survey, Washington Cooperative Fish and Wildlife Research Unit, and an Associate Professor in the School of Aquatic and Fishery Sciences at the University of Washington in Seattle. Her research focuses on the development and application of methods to understand the functioning of populations and to improve their management. She works across a broad variety of taxa: seabirds, terrestrial



birds, marine mammals, terrestrial mammals, amphibians, reptiles, and others. Seabird research is a particular passion, and her seabird research spans the globe, including work in the South Atlantic, Baltic, and throughout the tropical and temperate Pacific. She also advises graduate students and post-doctoral research associates at the University of Washington. You can learn more about Sarah's work at: depts.washington.edu/qcons.

ADVANCING DECISION-INSPIRED SCIENCE TO INFORM SEABIRD CONSERVATION

Seabirds are one of the most highly imperiled groups of birds. Despite this, a disproportionate amount of seabird research focuses on the role of seabirds as ecosystem indicators. While seabirds have a unique role in this regard, seabird research also has a critical role to play in conserving seabirds themselves. There has perhaps never been a better time to focus the seabird science agenda on supporting the decisions that can be made to conserve seabirds, and the ecosystems on which they rely. We have more management tools at our disposal, and a deeper understanding of how to effectively undertake applied science, than ever before. A research agenda inspired by the needs of decision makers has the potential to galvanize conservation action and make the best use of limited resources in the face of increasing and differentially reducible threats. I will introduce the concept of decision analysis as a framework within which we can usefully approach our work as seabird scientists and managers, to keep our focus on determining the levers we can pull, and the smartest way to pull those levers, to conserve seabirds. I will demonstrate how this framing can help to ensure that the science we do is maximally relevant to decision makers, and has the greatest potential to effect positive conservation outcomes for seabirds.

DR. NATALIE BAN AND JAIME OJEDA

Wednesday, February 21

16:30 -17:30

Leonesa Ballroom

Dr. Natalie Ban, a Professor at the University of Victoria's School of Environmental Studies in Canada, is a marine conservation scientist who mixes social and natural sciences to understand conservation issues, priorities and actions for coastal species, places, and communities. Having obtained her PhD in Resource Management and Environmental Studies from the University of British Columbia, and a Master's degree in Geography from McGill University, Natalie's research focuses on marine conservation, fisheries, marine protected areas, and marine spatial planning. She has published over 120 peer-reviewed papers, and has received multiple awards for her scholarship, including being inducted in the Royal Society of Canada's College of New Scholars in 2022.

Jaime Ojeda is a researcher at the Universidad de Magallanes (Chile) and PhD candidate at the School of Environmental Studies, University of Victoria (Canada). Born in Patagonia, Chile, Jaime pursued an undergraduate degree in Marine Biology followed by a Master's degree in Coastal Management. His publications span two primary areas of research. In marine ecology, his work examines seabirds' spatial and temporal dynamics and their interactions with fisheries. In ethnoecology, he has been working in partnership with Indigenous communities and artisanal fishers in Patagonia and British Columbia. He is learning and listening to valuable insights into diverse biocultural marine relationships between people and the ocean. Currently, Jaime is dedicated to revitalizing small-scale and Indigenous fisheries in Canada and Chile. He is focused on integrating customary management practices, biocultural ethics, and resource stewardship.

SEABIRD CONSERVATION: WHY PEOPLE MATTER

With ever-increasing threats to seabirds, developing effective conservation strategies is paramount. A common and essential focus of conservation has been on decreasing threats. This view inadvertently ascribes people just as threats, and misses the importance of the many kinds of relationships that people have with seabirds. In this presentation, we will outline why and how people matter. In particular, in a world where a blue economy focus is increasing coastal and marine developments in most coastal countries, and marine spatial planning is gathering momentum to better plan seascapes, we focus on some of the human dimensions of marine planning and conservation. For example, most enabling conditions for effective marine spatial planning relate to social and legal contexts. From a local perspective, we will share stories of the important and reciprocal relationships that exist between seabirds and people. Highlighting a case study of the relationships between albatrosses and hake fishers in Chilean Patagonia, we will share the story of seabirds shape the fishing experience, being perceived as marine companions, while highlighting the fishers' efforts to protect seabirds by reducing bycatch and providing food. Seabirds foster diverse biocultural connections with local communities through seascapes, underscoring the need for transdisciplinary approaches in future marine planning that incorporate both human perceptions and ecological dynamics.





DR. GEMMA CLUCAS (EARS PLENARY)

Thursday, February 22

09:00 – 10:00

Leonesa Ballroom

Gemma Clucas received her PhD from the University of Southampton and the University of Oxford, specializing in the population structure of Antarctic and sub-Antarctic penguins. Using genomic techniques, Gemma was among the first to unveil relatively weak population structure in Emperor, King, Adélie, and Chinstrap Penguins, suggesting higher levels of connectivity among colonies than expected. She also discovered pronounced structure in Gentoo Penguins, attributing this to their limited dispersal patterns during the non-breeding season.

Post-PhD, Gemma moved to the US to study the stock structure of Atlantic Cod in the Gulf of Maine. Employing whole genome sequencing, she identified highly differentiated genomic regions among winter and spring spawning stocks, with important implications for fisheries management.

However, Gemma missed working on seabirds, and so took her research in a new, more applied direction, and began developing methods to study the diets of terns in the Gulf of Maine using fecal DNA metabarcoding. The success of this pilot project allowed her to broaden its scope and she now leads the Seabird Conservation Analytics Team (SCAT) at the Cornell Lab of Ornithology. Her primary research centers on understanding how climate change affects the diets of seabirds in the Gulf of Maine and Antarctica, but she is collaborating with researchers around the world on various seabird diet monitoring projects.

While her expertise lies in fecal metabarcoding, Gemma also incorporates drone technology to monitor seabird colonies and has dabbled in tracking to study penguin foraging ranges. Beyond seabirds, she is also investigating the potential of birds for pest control in apple orchards and studying woodpecker interactions with invasive emerald ash borers.

USING DRONES, FECAL DNA, AND SATELLITE TRACKERS TO GATHER BASELINE DATA FROM THE WORLD'S LARGEST AND UNDER-STUDIED PENGUIN COLONY

Zavodovski Island is about as remote and challenging as it can get. Battered by howling winds and waves, shrouded in cloud most of the time, and home to a regularly active volcano, the island is rarely visited, leaving its massive macaroni and chinstrap penguin colonies under-surveyed. Previous counts suggested it could be home to approximately 600,000 pairs of chinstrap penguins, and about 90,000 pairs of macaronis, but these estimates are course and a volcanic eruption in 2016 may have impacted these numbers. We also lack foraging data from both species, including foraging ranges during the breeding season, diet data, and winter distributions. This data deficiency creates challenges for designing suitable management plans for the island and its surrounding waters. In December 2023, I joined a British Antarctic Survey expedition to Zavodovski aboard the sailing yacht Vinson of Antarctica. In this talk, I'll focus on how modern seabird monitoring techniques allowed us to gather some much-needed baseline data about the island's penguin populations and how I'm using these techniques in other aspects of my work.

DR. STEPHEN KRESS (LIFETIME ACHIEVEMENT AWARD WINNER)

Friday, February 23

09:00 – 10:00

Leonesa Ballroom

Stephen W. Kress is the founder of Project Puffin and former vice president for bird conservation at the National Audubon Society. Dr. Kress received his Ph.D. from Cornell University, and his master's and undergraduate degrees from Ohio State University.

For more than 50 years, Dr. Kress's research has focused on developing techniques for restoring and managing colonial nesting seabirds. The innovative restoration methods he pioneered, including the use of social attraction and the translocation of seabird chicks, have earned global recognition. The combined use of chick translocation, seabird decoys, mirrors, and sound recordings was first used to restore colonies of Atlantic puffins and several species of terns on Maine coast islands. Project Puffin, now known as the Audubon Seabird Institute, boosted Maine's nearly-extirpated puffin population to about 1,300 nesting pairs on five islands, demonstrating that endangered seabird colonies, even at the limits of a species range, can be restored. Following his first seabird restoration project at Eastern Egg Rock, Dr. Kress worked with various conservation agencies to create a network of seven seabird sanctuaries that are now home to more than 42,000 seabirds, including most of Maine's rare and threatened seabird species. He credits his accomplishments to "three P's"—patience, persistence, and partnerships. The techniques he developed, along with the lessons learned, have broad applications. A recent global review of the use of social attraction and seabird chick translocation found that at least 138 seabird taxa (about a third of all seabird species) were subjects of restoration projects at more than 500 locations worldwide.



Dr. Kress has long recognized the importance of public education, leading him to teach both in-person and online ornithology courses for Audubon and the Cornell Laboratory of Ornithology, where he is a visiting fellow. He has mentored hundreds of young biologists from more than a dozen countries, many of whom trace their first interest in seabirds to summer positions with Project Puffin, living among seabirds on Maine islands, before moving on to careers in wildlife conservation. In addition, Dr. Kress has inspired thousands of conservation leaders of all ages as former director of the Hog Island Audubon Camp in Maine, where he continues to serve as an instructor. His autobiography, *Project Puffin: The Improbable Quest to Bring a Beloved Seabird back to Egg Rock* (Yale University Press, 2015), was co-authored with journalist Derrick Z. Jackson. Dr. Kress is also the author of numerous books, articles, and scientific papers on seabird conservation, birding, and gardening for birds. In recent years, his research has focused primarily on the changing diets of seabirds in the Gulf of Maine in response to climate change.

LESSONS FROM 50 YEARS OF ACTIVE SEABIRD RESTORATION: USING AVIAN BEHAVIOR FOR CONSERVATION

Bird protection legislation and habitat protection are the principal pillars of bird conservation, but these largely passive approaches often fall short when it comes to re-establishing extirpated seabird nesting colonies. The "field of dreams" approach to seabird colony restoration—that if suitable nesting habitat is created, colonization will follow—may work for land birds, but fails to consider the importance of colonial nesting behavior in seabirds. The absence of social cues and conspecifics in otherwise suitable nesting habitat is a limiting factor that may prevent breeding. This reality underlies the use of "social attraction," an increasingly popular tool for seabird managers. A recent global survey of active seabird restoration projects documented more than 800 uses of social attraction and translocation in over 500 locations, targeting 138 species. Breeding occurred in at least 76% of these projects, often resulting in new colonies of both common

and critically endangered seabirds. Such active interventions based on behavior can help seabirds adapt to a wide range of human-imposed threats. There is great potential for using bird behavior for conservation. For example, using tracking devices to discover seabird migration behavior and nonbreeding habitats at sea holds great promise for identifying the best places to establish marine protected areas. Likewise, remote wildlife cameras that record seabird behavior can reveal how seabirds respond to climate change. Given that seabirds sense the world in many ways that humans lack, paying closer attention to their behavior—and adapting our own behavior accordingly—can make us better wildlife stewards.

SPECIAL EVENTS

SYMPOSIA AND SPECIAL PAPER SESSIONS

Highly Pathogenic Avian Influenza

Wednesday, February 21st, 10:00-16:30, Leonesa Ballroom

Conveners: Stephanie Avery-Gomm, Simba Chan, and Scott Pearson

This symposium will bring together experts to discuss the latest findings and developments in the emergence and spread of highly pathogenic avian influenza (HPAI) in seabirds. This symposium will focus on the epidemiology, ecology, and evolution of avian influenza in wild bird populations, assessments of mortality and population-level impacts, and strategies for surveillance, prevention, and control. Attendees will have the opportunity to gain insights into the challenges and opportunities for understanding and managing this important global wildlife health issue.

Offshore Wind Energy Development

Thursday, February 22nd, 13:30-15:00, Leonesa Ballroom

This special paper session will include presentations on the latest research on effects of offshore wind energy development on seabirds in the Pacific and beyond, transitioning to an exploration of funding mechanisms and opportunities for habitat creation and improvement to offset effects of development, and culminating in a workshop exploring the feasibility and challenges of large-scale seabird habitat creation.

WORKSHOPS AND ROUND TABLES

Equitable Hiring Practices in Seabird Research and Conservation

Thursday, February 22nd, 10:30-12:00, Discovery A & B

Convener: MOSAIC and PSG EID Committee (Sarah Guitart and Katie Stoner, co-chairs)

Many employers in the seabird research, management, and conservation field recognize the importance of improving diversity in the workplace. Unfortunately, hirers often run into obstacles at the recruitment level and struggle to attract a diverse pool of applicants. This workshop, led by the B.C.-based MOSAIC Centre for Diversity, will introduce attendees to equitable hiring practices at the job advertisement stage. Participants will learn about techniques to make their position announcements more accessible to marginalized communities, with the goal of empowering attendees to bring these discussions to their own workplaces. This workshop is sponsored by the American Bird Conservancy, who are excited to support justice, equity, diversity, and inclusion in seabird conservation and beyond.

Falconry Abatement - A Nonlethal Hazing Practice

Thursday, February 22nd, 16:30-17:30, Princessa I

Conveners: Alina Blankenship and Alayna Lawson (Sky Guardian Falconry)

Seabird/nearshore bird hazing is a common problem that many biologists face, with climate change changing dispersal patterns and pushing birds into previously unoccupied areas. One method recently explored and adopted is falconry abatement. Recently, multi-year trials have been conducted by US Army Corps at the Dam Projects and by CRITFC on nesting colonies with promising results. This workshop will introduce participants to a brief history of the sport of falconry, training methods, and a discussion of field capabilities, applications and limitations in

a classroom setting. Participants can then meet our live falcons and hawks and learn about the equipment and handling. Note: come prepared to head outdoors, weather permitting!

Beyond Restoration: The Needs and Challenges of Creating Industrial Scale Seabird Habitat

Thursday, February 22nd, 16:30-17:30, Leonesa Ballroom

Conveners: Mark Rauzon (Laney College), Kim Abplanalp (Maryland Coastal Bays), and David Pereksta (Bureau of Ocean Energy Management)

Amid rising costs of island restoration, human-created habitat for seabirds (i.e., industrial habitat creation) is becoming an increasingly viable mitigation alternative. We describe examples that demonstrate the potential for, and the inherent problems with, industrial scale design. Industrial habitat creation is justified by sea-level rise and human encroachment of water edge habitat, yet costs, permissions, maintenance and political will limit its potential. We will present case studies including stainless-steel platforms on the new San Francisco Oakland Bay Bridge; construction delays of funded platforms on Berkeley pier due to a proposed ferry; oil platform conversion constrained by concerns surrounding the fossil fuel industry, and complexity of offshore wind platforms that could attract birds into harm's way. We will then discuss suggestions and new ideas for overcoming these challenges.

Myths and Misconceptions and the Bird Banding Lab

Thursday, February 22nd, 16:30-17:30, Discovery A & B

Conveners: Jennifer McKay (USGS Bird Banding Lab) and Roberta Swift (U.S. Fish and Wildlife Service)

This workshop will introduce attendees to the Bird Banding Lab (BBL), dispel common myths and misconceptions, and educate researchers about best practices related to banding and band management. This workshop is intended for anyone who uses bird banding and resighting in scientific studies. It will include an introduction to the BBL staff, demonstration of the new web-based data submission tool and Bander Portal, best practices for banding and data entry, common misconceptions and mistakes, and an open Q&A for people to ask their own questions and discuss experiences. Get to know the people on the other side of your banding data!

Chairs' Round Table

Thursday, February 22nd, 17:30-18:30, Discovery A & B

The PSG chairs, along with members of the PSG Executive Council and the 2025 Local Committee, will host an informal round table to discuss PSG's priorities for the upcoming year and get feedback from members. Discussion topics will include the listserv moderation policy currently under development, plans and volunteer needs for next year's annual meeting, and other ongoing and potential activities. Regardless of whether you are attending your first PSG meeting or your fifty-first, we'd love to meet you and hear your thoughts on the future of PSG!

STUDENT AND EARLY CAREER SCIENTIST EVENTS

Early Career Scientist (ECS) Panel

Wednesday, February 21st, 17:30-18:30, Princessa I

If you are an early-career scientist or want to help facilitate the professional advancement of early-career scientists, this event is for you! Our definition of ECS mirrors that of other professional societies: a current student (associates, bachelors, masters, or PhD) or scientist who has received their highest degree within the last 5 years. This virtual panel is an informational, structured event where panelists will give a brief background of their own research and career path, and then answer questions about career development asked by YOU!

Our panel this year consists of people with an intentional diversity of backgrounds and research interests, including:

- **Lara Brenner** – Ecologist, California Islands Science Team, The Nature Conservancy, Santa Cruz, CA, USA
- **Megan Friesen** – Assistant Professor of Biology, St. Martin's University, Lacey, WA, USA
- **Ariel-Micaiah Heswall, PhD** – PhD student in Seabird Sensory Ecology, School of Biological Sciences, University of Auckland, NZ
- **Scott Pearson, PhD** – Senior Research Scientist, Wildlife Science Division, Washington Department of Fish and Wildlife, Olympia, WA, USA
- **Marc Romano** – Coordinator, Pacific Seabird Program, US Fish and Wildlife Service, Anchorage, AK, USA

Questions for the panelists can be submitted anonymously prior to the event by emailing Anna Vallery (communications@pacificseabirdgroup.org), but there will be opportunities for attendees to ask questions during the event, as well. All are invited to attend!

Student-Mentor Mixer

Wednesday, February 21st, 18:30-20:00, Princessa I

We're excited to host another excellent student-mentor mixer at PSG 2024! The event will be an informal evening gathering and an opportunity for students and early career scientists to connect with mentors who are currently working in or have worked in seabird research or conservation. The event will have two parts. First, we will match a small group of 1-3 students to each mentor prior to the event, based on common research or career interests. These small groups will have an opportunity to meet for about 45 minutes and then we'll transition into a happy hour with tables set up based on research or career interests. This will give folks an opportunity to chat with more mentors/mentees in a casual setting! This event will include food (heavy appetizers) for all attendees.

OTHER EVENTS

Special Achievement Award Presentation to Linda Elliott

Thursday, February 22nd, 08:30–09:00, Leonesa Ballroom

Lifetime Achievement Award Presentation to Steve Kress

Friday, February 23rd, 08:30–09:00, Leonesa Ballroom

Photo Exhibit: Faces of Seabird Conservation

Ongoing, Foyer

A photo exhibit highlighting the variety of humans who love and live with seabirds will run throughout the conference alongside the posters. Stop in to learn more about your colleagues outside their work and reflect on the human community that drives seabird conservation, both within and beyond the Pacific Seabird Group.

Silent AUktion

Ongoing, Portland A&B

This year's auction will open on Wednesday, February 21st, at 7:30 am and close on Friday, February 23rd, at 1:00 pm. All proceeds from the silent auction will be used to support our student travel award program. Come and bid on some beautiful artwork, books, photographs,

and other items that have been donated for the auction. Sheets will be placed next to each item; indicate your bid on the sheet. Successful bidders should claim their item by 5:30 pm on the 23rd. We will accept payment by cash, check or credit card for items won. If you would like to donate items, please visit the registration desk.

Clothing and Gear Swap

Ongoing, Leonesa Ballroom

Clean out your closets and give your gently-used field clothing and gear a second life! This year, the EID Committee will be running a clothing and gear swap table in the back of the main plenary room (Leonesa Ballroom). Donations will be accepted at registration or directly at the swap table. Students and early-career researchers can select gear from the donation table on Wednesday and Thursday, and the table will be open to all attendees on Friday. Any items remaining at the close of the meeting will be donated to the West Seattle Food Bank.

SOCIAL EVENTS

Welcome Reception

Tuesday, February 20th, 18:00–21:00, Flatstick Pub, South Lake Union - 609 Westlake Ave N, Seattle

This year's welcome night event will be at [Flatstick Pub](#) in Seattle's South Lake Union neighborhood, not far from the conference venue (approximately 1 mile, easy transit on the [South Lake Union Streetcar](#)). This event venue features indoor mini golf and duffleboard (a mix between shuffleboard and mini golf)! There will also be food and beverages provided. Come play some games and connect with PSG colleagues!

Storytelling Session: Overly Honest Methods

Wednesday, February 21st, 20:00-21:00, Princessa I

We all know that the methods section only tells part of the story. For this session, come ready to share tales of how the research sausage is made that didn't make it into the official record. We're looking for stories from the field or the lab/office of total failure and on-the-fly innovation, of epic weather and unexpected good luck, of colorful bird and human characters that helped shape you or times your work went in unexpected directions. Participants can sign up for a 5-minute slot at the registration desk, with any remaining slots available on a first-come, first-serve basis. Or just come to listen and cheer on your colleagues!

Poster Session

Thursday February 22nd, 19:00–21:00, Foyer

View poster presentations and visit with colleagues. Heavy appetizers and one drink coupon per person will be provided. To navigate the poster session, refer to the poster numbers and presenters on p. 28-30.

Closing Celebration and Dance Party

Friday February 23rd, 18:30–22:00, Leonesa Ballroom

The evening will consist of a dessert buffet only, so make sure to eat beforehand! A brief awards ceremony will follow the dessert bar and is open to all attendees at 19:45, **even if you did not purchase a Closing Celebration ticket**. We will acknowledge Special and Lifetime Achievement recipients and present awards for best student oral and poster presentations. Evening will conclude with a live band and dancing.

MEETING LOGISTICS

For any issues regarding the scientific program, please contact Juliet Lamb at programchair@pacificseabirdgroup.org

SOCIAL MEDIA

We encourage anyone with X or Instagram to share updates from the meeting using the hashtag **#PSG2024**. You can also follow and mention @PacificSeabirds on X or @Pacific_Seabird_Group on Instagram. Presenters, if you prefer that your presentation or specific slides not be shared, please say so at the beginning of your talk or include a note on the slides that shouldn't be shared. PSG's own designated Tweeters will be tweeting live from the conference!

SUSTAINABILITY AT PSG2024

PSG members have expressed, loud and clear, the desire to make annual meetings more sustainable and less consumptive. This year's conference has printed programs only by request, plastic-free swag options, and conference activities that will take place within walking (or easy public transit) distance from the conference hotel. The Seattle conference hotel has its own sustainability standards, including avoiding the use of plastics with large water carafes for the conference spaces and large-format amenities in the guest rooms.

In addition, presenters have the option to pre-record their talks to be posted online following the conference, for the benefit of those who were unable to attend on the day. This option is a pilot test for a hybrid option at upcoming conferences. Though there are many benefits to an in-person conference, PSG is also considering alternating in-person conferences with virtual meetings, to reduce the energy/carbon footprint of our meeting schedule.

INFORMATION FOR PRESENTERS, SESSION CHAIRS, AND JUDGES

ORAL PRESENTATIONS:

For all oral presentations, if there are slides that you do not want shared online, please include a "no tweet" or "no photo" icon (such as shown here) on each slide that you do not want shared, to clearly indicate that you do not want a picture of your slide posted online by anyone in the audience. This helps people moving between sessions to know your preference because they may miss an announcement at the beginning of the talk.



Session Hosts

Thank you for your willingness to help manage the scientific program. You have a critical job in keeping presenters within the time allotted to their talk. As a reminder, each oral presentation is scheduled for 15 minutes—12 minutes for the presentation and the remaining 3 minutes for questions. As speakers arrive, be sure to remind them that they will be given 5- and 2-minute warnings near the end of their talk. At the scheduled start time for the Session, please welcome attendees and presenters and announce the Session's title. At the 7-minute mark, please display a 5-min warning card as a notice to the speaker that it's time to wrap up. At the 10-minute mark, it's time to communicate a more forceful warning by waving the 2-minute warning card. If the presentation goes over 12 minutes or there isn't enough time remaining to answer all questions, please remind attendees that they may follow up with the speaker after the session. At the 15-minute mark, thank the speaker, and begin your introduction of the next speaker. In the event of a last-minute cancellation, do not move the other talks up a slot and finish early. Instead, leave the canceled speaker's slot as time for discussion so that those in other sessions that have planned on attending specific talks later in the session do not get thrown off. If you have any questions, please ask Juliet Lamb, Scientific Program Chair.

Student Presentation Award Judges

Thank you, judges, for volunteering to give valuable feedback to students as they develop their scientific communication skills. Prior to the conference, judges signed up to evaluate student talks and posters. Judges will submit their scores electronically. Please submit scores **as soon as possible** after you score a talk or poster. Awards for the best oral and poster presentations will be presented at our Closing Celebration on Friday, February 23rd.

FIELD TRIPS

Burke Museum of Natural History and Culture, including behind-the-scenes Ornithology tour

Tuesday February 20, 1:00 - 3:00 pm.

Meet at the Burke Museum of Natural History and Culture, 4303 Memorial Way Northeast, Seattle

“The Ornithology Collection at the Burke Museum maintains a comprehensive collection of approximately 157,250 bird specimens from around the world. Specimen types include study skins, spread wings, bird skeletons, egg sets, nests and frozen tissue samples. The collection is relatively modern, with more than 90% of the total specimens added in the past 30 years, and is used for a variety of purposes, including research, education and art.” (BurkeMuseum.org)

This field trip includes general admission to the Burke Museum of Natural History and Culture plus a behind-the-scenes tour of the Ornithology collection and a demonstration of research using materials from the collection with museum staff.

Seattle Aquarium visit

Saturday February 24th, 9:30 group entry

Meet at the Seattle Aquarium, 1483 Alaskan Way Pier 59, Seattle

“The Seattle Aquarium is the ninth largest aquarium in the U.S. by attendance and among the top five paid visitor attractions in the Puget Sound region.” (SeattleAquarium.org). This field trip includes general admission to the Seattle Aquarium at a discounted rate, at a group timeslot so all PSG-ers can wander through together before flights depart!

Bird watching tour on board the Puget Sound Express

Saturday February 24th, 10am departure

Buses depart from the Grand Hyatt

Enjoy a day on the water with Puget Sound Express: bird watching and whale spotting! Buses will leave at 10:00 am from the conference hotel, and the boat will depart from Edmonds at 11:30 am for a seabird/gray whale watching trip (~2.5 hrs). We will have local birding expert Charlie Wright on-board to guide bird watching.

SEARCH FOR A PRESENTER

How to search for a presenter in a PDF

1. Press CTRL+F (Windows) or CMD+F (Mac).
2. In the text box, enter the name of the person you are looking for and press Enter
3. Press the Next or Previous buttons to navigate between the results.

You can also search for a specific phrase or species.

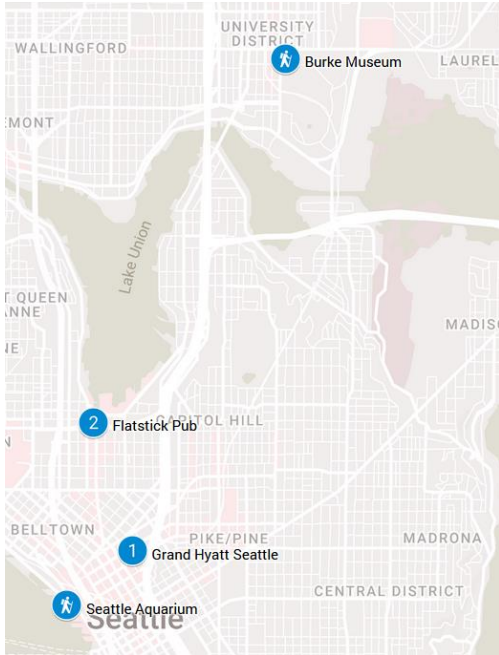
The screenshot shows a PDF viewer interface with a search bar in the top right corner. The search term 'Montevecchi' is entered, and the results are displayed in a table. The table has two columns: 'Track 1' and 'Track 2'. The search results are highlighted in blue.

Track 1		Track 2	
Conservation Biology		Tracking and Distribution	
1045	ASHY STORM PETREL EXPAND THEIR BREEDING HABITAT IN THE MEXICAN ISLANDS Maria Felix Lizarraga, Yuliana Bedolla Guzmán, Alejandra Pabla Blanco, C. Alicia Aztorga Ornelas		
1100	Coffee Break		
1115	A SPATIAL ANALYSIS OF WEDGE-TAILED SHEARWATER (ARDENNA PACIFICA) FALLOUT ON SOUTHEAST OAHU, HAWAII Jennifer Urmston, Susan Carstenn, Keith Swindle, K David Hyrenbach	INDIVIDUAL CONSISTENCY IN SPACE-USE AND TIMINGS DURING THE NON-BREEDING PERIOD OF A TROPICAL SEABIRD, THE ROUND ISLAND PETREL Kirsty Franklin*, Ken Norris, Jennifer Gill, Norman Ratcliffe, Simon Butler, Nik Cole, Carl Jones, Kevin Ruhomaun, Vikash Tatayah, Malcolm Nicolli	
1130	REDUCING ANTHROPOGENIC SUBSIDIES CURBS DENSITY OF AN IMPORTANT MARBLED MURRELET NEST PREDATOR IN A PROTECTED AREA Kristin Brunk*, Elena West, M Zach Peery, Anna Pidgeon	SEASONAL LIFE-STAGE AND MARINE HEATWAVE AFFECT MOVEMENT PATTERNS AND HABITAT-USE OF COMMON MURRES Stephanie Loredo*, Rachael Orben, Robert Suryan, Donald Lyons, Josh Adams, Shawn Stephensen, Jeannette Zamon	
1145	ASSOCIATIONS AMONG MASS MORTALITY EVENTS, SEABIRD DEMOGRAPHY, AND OCEAN CLIMATE TRENDS IN CENTRAL CALIFORNIA Kirsten Lindquist, Pete Warzybok, Meredith Elliott, Julie Howar, Jan Roletto, Nadav Nur, Taylor Nairn, Jaime Jahncke	IMPROVING UNDERSTANDING OF TROPHIC LINKS AND INDIVIDUAL-LEVEL MOVEMENT AND HABITAT USE OF NON-BREEDING NORTHERN GANNETS Julia Gulka, Evan Adams, Alicia Berlin, Kevin Friedland, Andrew Gilbert, Chandra Goetsch, William Montevecchi, Matthew Perry, Iain Stenhouse, Kate Williams	
1200-1300	LUNCH		Conservation Meeting

VENUE INFORMATION



Area Map



Conference Venues

1. Grand Hyatt Seattle (main program)
721 Pine St, Seattle
2. Flatstick Pub (Welcome Reception, 20 February)
609 Westlake Ave N, Seattle

Field Trips

Burke Museum
4303 Memorial Way Northeast, Seattle

Seattle Aquarium
1483 Alaskan Way Pier 59, Seattle

Grand Hyatt Floor Plan

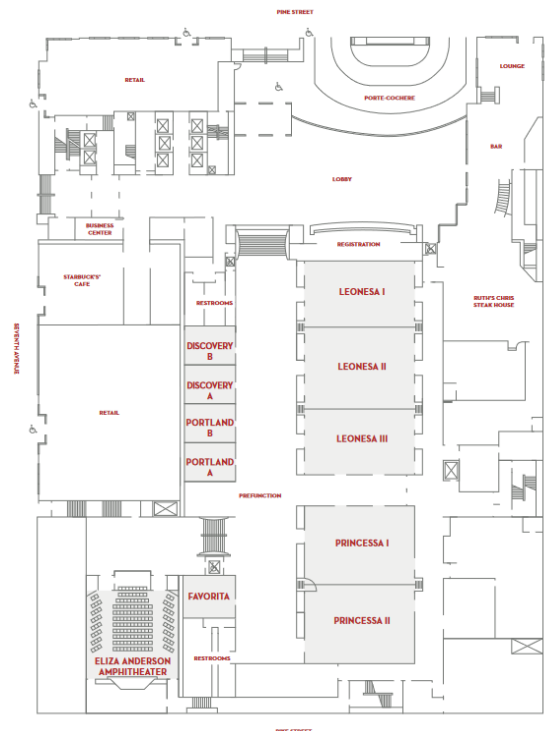
1st Floor

- Leonesa Ballroom:** Plenaries, Simultaneous Sessions, Clothing and Gear Swap
- Princessa:** Simultaneous Sessions, ECS Panel, Storytelling
- Discovery:** Simultaneous Sessions, Committee Meetings, Chairs' Round Table
- Portland:** Committee Meetings, Silent AUKtion
- Foyer:** Poster Session, Photo Exhibit

7th Floor

Stevens: ExCo Meeting, Committee Meetings

First Floor/Lobby Level Breakouts



Seventh Floor

