

Wednesday, Morning Session

*indicates student presenters eligible for AOS presentation award

| Room | Atwood Hall | Cook Theatre | Summit 1 | Summit 2 | Summit 3 | Summit 4 |
|-------------|---|---|---|--|---|---|
| Session | Symposium Understanding and Addressing the Collapse of the North American Avifauna (Marra) | Symposium Breaking Through Biases: What We've Learned from Female Birds (Odom) | Phylogenetics & Phylogeography | Songs & Vocalizations | Biogeography | Birds & Agriculture |
| 1030 | Evidence for Massive Decline in the North American Avifauna <i>Rosenberg KV, Dokter AM, Blancher PJ, Sauer JR, Smith AC, Smith PA, Stanton JC, Panjabi AO, Helft L, Parr M</i> | Extra-Pair Copulations in Passerines: Why Females Matter <i>Stutchbury BJ</i> | *Evolution of Migration in the Nightingale-Thrushes (Turdidae: Catharus) Inferred via Morphometric and Phylogenetic Analysis <i>Halley MR, Klicka J, Catanach TA, Weckstein JD</i> | It's the Same Old Song: Benefits of Song Dialects in the Lapland Longspur <i>Montgomerie RD, Cox A, Mullie A</i> | Climate Delineates the Northern Range Boundary of the Northern Cardinal <i>Miller CR, Porter WP, Fitzpatrick MJ, Zuckerberg B</i> | *GPS-Tracking Reveals Selection for Prairie Ponds by Tree Swallows in Cropland-Dominated Landscapes <i>Elgin AS, Morrissey CA, Clark RG</i> |
| 1045 | Decline and Survival of North America's Migratory Avifauna Determined by a Weather Radar Network <i>Dokter AM</i> | Female Bird Songs -- The Other Half of the Conversation <i>Benedict LN, Hathcock T, Najar N, Mitchell L, Cavar J, Logue D</i> | Multiple Hybrid Zones in a Widespread Amazonian Bird Reveal Different Evolutionary Processes <i>Moncrieff AE, Brumfield RT</i> | Behavioral Landscape of 'Oma'o Vocalizations in a Naturally Fragmented Habitat <i>Netoskie EC, Paxton KL, Paxton EH, Hart PJ</i> | Montane Biogeography and the Evolution of Disjunct Ranges: a Case Study in the Diglossa Flowerpiercers <i>Hiller AE, Brumfield RT, Faircloth BC</i> | *Impact of Wildfires on Barn Owl Habitat Selection in a Vineyard Agroecosystem in Napa Valley <i>Huysman AE, Johnson M</i> |
| 1100 | Grassland Bird Declines: How Can We Stop the Downward Spiral? <i>Panjabi AO, Correll M, Strasser EH, Bernath-Plaisted J, Beh A, VerCauteren TL</i> | Female Preferences Shape Elaborate Male Displays and Social Skills on the Lek <i>Patricelli GL</i> | Fine-Scale Genetic Population Structure of an Understory Bird (Thamnophilus atrinucha) Across the Panama Canal Zone <i>Maddox JD, Kelley JP, Tarwater CE</i> | *Behavioral and Spectrographic Analysis of Chatter: A Novel Vocalization in Northern Mockingbirds <i>Brown BB, Stracey C</i> | Diversification and Biogeography in an Indo-Pacific Bird Radiation (Pachycephalidae) <i>Brady SS, Joseph L, Moyle RG, Andersen MJ</i> | Does a "Sonic Net" Protect Sunflower from Damage by Blackbirds? <i>Werrell AK, Klug PE, Swaddle JP</i> |
| 1115 | Volunteer-Led Surveys Document 40-Years of Shorebird Declines Across North America <i>Smith PA, Smith AC, Brown S, Friis C, Paquet J, Winn B, MacDonald A</i> | Habitat Saturation Drives the Frequency of a Rare Behavior in the Females of a Social Bird <i>Barve SS, Koenig WD, Haydock J, Walters EL</i> | Comparative Phylogeography of Amazonian Riverine Island Birds <i>Johnson O, Brumfield RT</i> | *Repertoire Size and Individual Variation in Vocalizations of 'ōma'o (Myadestes obscurus) an Endemic Hawaiian Thrush <i>Tysall EE, Paxton KL, Netoskie E, Paxton E, Hart PJ</i> | *Patterns and Mechanisms of Heterogeneous Breeding Distribution Shifts in North American Migratory Birds <i>McCaslin HM, Heath JA</i> | Quantifying Multiple-Benefits of Bird Conservation in the Agricultural Mosaic of California's Central Valley <i>Seavy NE, Humple D</i> |
| 1130 | Conservation of Boreal Birds: Status, Trends, and Data Gaps <i>Toms JD, Solymos P, Stralberg D, Barker NK, Micheletti T, Leston L, Hache S, Cumming S, Song S, Schmiegelow F</i> | Migratory Landbird Conservation Compromised by Failure to Address Sexual Segregation <i>Bennett RE, Rodewald AD, Rosenberg KV</i> | Contrasting Drivers of Diversity and Turnover in Andean Birds and Their Parasites <i>McNew SM, Barrow LN, Bates JM, DuBay SG, Galen SC, Hackett SJ, Johnson AB, Skeen H, Valqui T, Jason WD, Williamson JL, Witt CC</i> | Deep Convolutional Neural Network to Detect Forest Owls of the Pacific Northwest <i>Lesmeister DB, Ruff ZJ, Sullivan CM</i> | Is Specialism an Evolutionary Dead-End? Estimates of Transition Rates Between Generalism and Specialism in a New World Clade <i>Conway M, Olsen BJ</i> | Estimating the Effect of Prairie Strips on Grassland Birds <i>Giese JC, Schulte LA, Klaver RW</i> |
| 1145 | Songbirds of the Sagebrush Sea: Declines and Mechanisms <i>Chalfoun AD, Sanders L, Scherr T, Hethcoat M</i> | Elaborate Female Coloration and Song: Diverse Perspectives Lead to a More Comprehensive Understanding of Avian Biology <i>Omland KE, Rose EM, Haines CD</i> | Resolving Difficult Nodes in Manakin Phylogeny Using Low-Coverage Whole Genome Sequencing <i>Braun EL, White ND, Kimball RT, Moncrieff AE, Zhao M, Kurtis SM, Brumfield RT</i> | *Sex and Species Divergence in Vocalizations Between Role-Reversed Shorebirds, Jacana spinosa and Jacana jacana <i>Buck EJ, Lipshutz SE, Derryberry EP</i> | Cryptic Bird Species on a Remote Archipelago of the Pacific Ocean <i>Cibois A, Thibault J, Friedman NR, Omland KE, Desutter-Grandcolas L, Robillard T, Pasquet E</i> | Comparing Land-Sparing and Land-Sharing Conservation Approaches in a Coffee-Growing Region with High Avian Biodiversity <i>Valente JJ, Ryder TB, Rice RA, Gomez C, Bayly NJ, Sillett TS, Marra PP</i> |
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| Room | Summit 5 | Summit 6 | Summit 7/8 | Summit 9/10 | Summit 11/12 | Summit 13/14 |
|--------------|---|--|--|--|---|--|
| Session | Symposium Biodiversity Mediated Trade-offs in Agroecosystems: When Do Birds Help or Hurt Farmers? (Pejchar) | Evolution | Conservation | Migration & Stopover | Symposium Social Dynamics in Interspecific Interactions (Shizuka) | Symposium Avian Biology and the Annual Life Cycle: Shorebirds as Models to Understand Dynamic Boundaries (Gurney) |
| 1400 | Net Effects of Birds in Agroecosystems <i>Pejchar L, Clough Y, Ekroos J, Nicholas K, Olsson O, Ram D, Tschumi M, Smith H</i> | *A Tale of Two Transects: Sexual Selection Across a Hummingbird Hybrid Zone <i>Myers BM, Rankin DT, Brelsford A, Burns KJ, Clark CJ</i> | *Cross-Scale Interaction Effects of Climate and Forest Patch Size on the Persistence of Forest-Interior Birds <i>Chaudhary A, Gutzwiller KJ</i> | *A Range-Wide Geolocator Project Fills Critical Knowledge Gaps of Our Understanding of the Full Annual Cycle of Cerulean Warblers <i>Raybuck DW, Buehler DA, Boves TJ, L LJ, Stoleson SH, Bulluck LP, George GA, Kearns LJ, Slankard KG, Petzinger S, Cox JJ, Mylecraine KA</i> | Heterospecific Sociality: How Cooperation, Competition, and Communication Across Species Shape Avian Behavior <i>Johnson AE</i> | Can Stable Isotopes Help Identify Links Between Wintering, Migration, and Breeding Areas of Semipalmated Sandpiper? <i>Gurney KE, Mizrahi DS, Alisauskas RT</i> |
| 1415 | Strategies for Navigating Trade-Offs Between Avian-Mediated Services and Disservices Affecting Food Production and Safety <i>Kennedy CM, Latimer CE, Smith OM, Taylor JM, Owen JP, Rankin E, Snyder WE</i> | Cultural Evolution Promotes Rapid Character Displacement in Sympatric Crossbills <i>Porter CK, Benkman CW</i> | Extinction Debt and Species Credit in Tropical Forest Bird Communities: Conservation Implications for Two Biodiversity Hotspots <i>Newmark WD</i> | Phenology of the Purple Martin Annual Cycle <i>Kelly JF, Horton K, Stepanian P</i> | Learning to Join the Information Web <i>Magrath RD, Ratnayake C, Radford A, McLachlan J, Igic B, Potvin D</i> | Migratory Dynamics of Beringian Dunlin on the East Asian-Australasian Flyway <i>Launcot RB, Lagasse BJ, Yezerinac S, Brown S, Kendall S, Latty C, Liebezeit J, McGuire RL, Robards M, Saalfeld ST, Slaght J, Wunder M</i> |
| 1430 | Trade-Offs Between Ecosystem Services and Disservices Provided by Birds Covary with Agricultural Intensification in the US <i>Latimer CE, Smith OM, Owen J, Snyder W, Kennedy CM</i> | The Relative Roles of Natural Selection and Sexual Selection in Speciation in the Tanagers <i>Price-Waldman RM, Demery AJ, Mason NA, Shultz AJ, Title PO, Burns KJ</i> | *Experimental Forest Fragmentation Alters Interaction Networks of Amazonian Mixed-Species Flocks <i>Rutt CL, Mokross K, Stouffer PC</i> | Conservation Implications of a Migratory Network for the Common Nighthawk <i>Knight EC, Harrison A, Scarpignato AL, Van Wilgenburg SL, Bayne EM, Marra PP</i> | | Movement Patterns of Arctic-Breeding Shorebirds During Post-Breeding and Southbound Migration <i>Saalfeld ST, Launcot RB, Brown S, Lamarre J, McGuire R, Ruthrauff D, Elliot K, Latty C</i> |
| 1445 | *Understanding Food Safety Risks Associated with Wild Birds: a Meta-Analysis and Conceptual Framework <i>Smith OM, Owen JP</i> | Pleistocene Glacial Cycles and the Relative Ease of Speciation with Periodic Gene Flow <i>Linck EB, Battey C</i> | Forest Management, Habitat Conservation and Monitoring Northern Goshawks in Southeast Alaska <i>Titus K</i> | Conservation in the Context of Migratory Connectivity: A Golden-Winged Warbler Case Study <i>Roth AM, Buckardt Thomas A</i> | Sister, Sister: Song Recognition and the Role of Early Experience in Sympatric Zonotrichia <i>Hudson EJ, Shizuka D</i> | Migratory Connectivity of a Declining Boreal Shorebird, the Lesser Yellowlegs <i>Christie KS, McDuffie L, Johnson JA, Taylor A</i> |
| 1500 | Managing Wild Birds for Strawberry Production, Pest Control, and Food Safety Outcomes in the California Central Coast <i>Olimpi EM, Garcia K, Gonthier D, Karp DS</i> | Early Stage of the Speciation Process: Two Coloration Genes Underlie Species Differences in a Pair of Capuchino Seedeaters (Sporophila)" <i>Estalles MC, Campagna L, Rodriguez Cajarville MJ, Tubaro PL, Lovette I, Lijtmaer DA</i> | *Grassland Bird Response to Spring Cover Crops in an Agricultural Landscape <i>Godar AJ, Annis A, Haukos D, Prendergast J</i> | Migratory Pathways, Stopover Locations, and Wintering Destinations of Flamulated Owls Breeding in Colorado <i>Linkhart BD, Yanco SW, Fox JW</i> | Identifying Functional Roles in Mixed-Species Groups <i>Vander Meiden LN, Shizuka D</i> | Stopover Ecology of Semipalmated Sandpipers in Maritime Canada <i>Hamilton DJ, Bliss S, Geldart E, Linhart R, Neima SG, Paquet J, Gratto-Trevor CL</i> |
| 1515 | Birds in Fruit Production Systems: Contexts, Outcomes, Costs, and Benefits <i>Lindell CA</i> | Signal Evolution and Morphological Complexity in Hummingbirds (Aves: Trochilidae) <i>Eliason CM, Maia R, Parra JL, Shawkey MD</i> | Using Remote Sensing of Avian Habitat to Direct Bird Conservation <i>Bonfield SB, Schimel D, Stavros N, Questad E, Schneider F, Ferraz A</i> | Full Annual Cycle Ecology of Migratory Birds in the Lower Great Lakes <i>Tonra CM</i> | Loss of a Keystone Informant Disrupts Information Cascades among Ant-Following Birds in a Tropical Forest Fragment <i>Pollock HS, Martinez AE, Kelley JP, Touchton JM, Tarwater CE</i> | How Can Habitat Degradation Push Extreme Migrants Over the Edge? <i>Chan Y, Tibbitts TL, Hassell CJ, Peng H, Piersma T</i> |
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|-------------|---|--|--|---|--|---|
| Session | Molecular Ecology | Behavior | Symposium Migratory Connectivity of Alaskan Birds (Harrison) | Lightning Talks | Biogeography | Climate |
| 1030 | Variation in the Microbiome of Kirtland’s Warblers Between Their Wintering and Breeding Areas <i>Skeen HR, Cooper NW, Hackett SJ, Bates JM, Marra PP</i> | Social Network Metrics Predict Future Social Status in Male Lance-Tailed Manakins <i>Beckman AK, Vanderbilt CC, DuVal EH</i> | One State, Global Connections: Insights from 100 Years of Bird Banding in Alaska <i>Scarpignato AL, Harrison A, Marra PP</i> | Mexican Hummingbird Nesting <i>Nuñez-Rosas LE et al.</i> ----- Individual Variation in Suboscine Vocalizations <i>Tagestad JT et al.</i> ----- Social Polygyny in Eastern Bluebird <i>King KM et al.</i> | Modeling the Implications of Future Bioenergy Scenarios on Bird Diversity and Abundance in the Northern Great Plains <i>Baltensperger AP, Goljani-Goljani-Amirkhiz R, Dixon M, Swanson D</i> | |
| 1045 | Admixture Mapping the Genetic Basis of Species Differences in Avian Hybrid Zones <i>Brelsford AT, Nwankwo E, Myers B, Clark CJ, Kirschel A</i> | Effects of the Social Environment on Cloacal Microbiome Diversity <i>Houtz JL, Taff CC, Zimmer C, Vitousek MN</i> | Revealing the Migratory Path and Wintering Areas of Olive-Sided Flycatchers that Breed in Alaska <i>Hagelin JC, Johnson JA, Hallworth MT</i> | Nest Defense in Eastern Bluebirds <i>Gillespie LM et al.</i> ----- Cross-species Auditory Stimuli and Responses <i>Crook-Hill JR et al.</i> ----- Coloration Mechanisms in Painted Bunting <i>Justyn NM et al.</i> | Extraordinary Plumage Polymorphism in the Variable Antshrike (Thamnophilus Caerulescens, Thamnophilidae) is Consistent with Gloger’s Rule <i>Marcondes RS, Brumfield RT</i> | Understanding the Effects of Nest Site Temperature on Songbird Reproductive Fitness and Parental Care <i>Scherr TM, Chalfoun AD</i> |
| 1100 | Population Genetics and Phylogeography of Merlin (Falco Columbarius) in North America <i>Martinico BL, Sage GK, Gravley MC, Talbot SL, Haak BA, Hull JM</i> | Differences in Foraging Strategies among Common Loons Overwintering on a Large Freshwater Reservoir in Northwest South Carolina <i>Mager JN, Paruk JD, Wade B</i> | Connectivity of Pre-Adult, Non-Territorial Migratory Golden Eagles During the Nesting Season in Alaska <i>McIntyre CL, Lewis SB, Katzner TE, Miller TA, Lanzone M, Collopy MW, Douglas DC</i> | Molt Dynamics of Eiders <i>Ulman SE et al.</i> ----- Bill Divergence and Speciation in New World Jays <i>Scott BF et al.</i> ----- Melanistic Pathways in Harlan’s Hawk <i>Barry JL et al.</i> | Natural Selection on Body Size During Range Expansion in Red-Bellied Woodpeckers <i>Ralston J, Mayette-Draper E, Hamilton S, Kirchman JJ</i> | Extreme Weather Lengthens Incubation Periods and Lowers Productivity for a Sagebrush-Obligate Songbird <i>Sanders LE, Hall LE, Chalfoun AD</i> |
| 1115 | Asymmetric Gene Flow in an Understory Fijian Bird <i>Gyllenhaal EF, Mapel XM, Andersen MJ</i> | Does Object Neophobia Predict Exploratory Behavior in a Free-Living Wild Bird? <i>Tringali A, Prussing S, Sherer D, Windsor R, Bowman R</i> | Contrasting Patterns of Migratory Connectivity in Two Species of Alaska-Breeding Shorebirds <i>Tibbitts TL, Gill, Jr R, Ruthrauff D, Warnock N, Harwood C, Harrison A, Hallworth M, Douglas D</i> | Red-crowned x Lilac-crowned Hybridization <i>Maley JM et al.</i> ----- Where did Cuban Bobwhites Come From? <i>Salter JF et al.</i> ----- Phylogeny and Evolution of the Gallopheasants <i>Hosner PA et al.</i> | Modelling the Niche in Present and Past Climatic Scenarios for the Great Tit <i>Machado-Stredel FJ, Song G, Zhang R, Alstr”om P, Qu Y, Qiao H, Mays H, Ericson PG, Fjelds a J, Peterson AT, Chinese Academy of Sciences NAL</i> | |
| 1130 | Does Range Expansion or Ongoing Dispersal Explain Apparent Panmixia in Bachman’s Sparrow? a Temporal Study Using Museum DNA <i>Settlekowski AE, Faircloth BC, Brown JM, Cox JA, Tucker JW, Carpenter JP, Taylor SS</i> | A Tale of Two Todies: Understanding How Vocalizations Mediate Behaviors in a Sympatric Zone <i>Garrod HM, Curry R</i> | Migration Patterns of Three Loon Species (Gaviidae) Breeding in the Arctic <i>Schmutz JA, Uher-Koch BD, Harrison A, Mulcahy DM, Fair JS, Wright KG, DeSorbo CR</i> | Phylogenomics of Euphoniinae <i>Vázquez Lopez AM et al.</i> Genetic and Phenotypic Variation in Piranga bidentata <i>Robles Bello SM et al.</i> ----- | How Do Dispersal and Migration Influence Range Expansion of Birds? <i>Pegan TM, Weeks B, Winger B</i> | Mesoscale Winds Shape Spring Stopover Distributions of Migrating Birds Along the Gulf of Mexico <i>Clipp HL, Cohen EB, Smolinsky JA, Farnsworth A, Horton KG, Buler JJ</i> |
| 1145 | The Common Loon Genoscape <i>Lindsay AR, Larison B, Bossu C, Rajbhandary J, Sorenson MD, DaCosta JM, Kaplan JD, Evers DC, Paruk J, Smith TB, Ruegg K</i> | Neighbor-Stranger Discrimination in a Neotropical Suboscine Bird: Embracing Behavioral Complexity to Uncover Patterns <i>Kelley JP, Tarwater CE</i> | Synthesis <i>Harrison A</i> | | The Importance of Geography and Environment for Diversification: a Case Study in the Northern Double-Collared Sunbird Cinnyris Reichenowi <i>Cooper JC, Maddox D, McKague K, Bates J</i> | Intraspecific Variation in Morphological Traits of an Understory Insectivore Across a Precipitation Gradient in the Tropics <i>Tarwater CE, Kelley P</i> |
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|--------------|---|--|---|--|---|---|
| Session | Endocrinology & Physiology | Symposium Undergrad Symposium | Disease & Ecotoxicology | Symposium Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves) | Songs & Vocalizations | Symposium Lessons from Avian Hybrid Zones and the Maintenance of Species Boundaries (Aguillon) |
| 1400 | Chronic, Sublethal Effects of High Temperatures Will Cause Severe Declines in Arid-Zone Birds During the 21st Century <i>Conradie SR, Woodborne SM, Susan CJ, McKechnie AE</i> | Use of Thermal Imaging for the Study of Seabirds in the Gulf of Alaska: Implications for Management and Conservation <i>Kidder EA, Sherwin R</i> | *Geographic Variation in Host Immunogenetics and Malarial Parasite Infection in a Catharus Thrush Species Complex <i>Starkloff NC, Sammons MA, Westerdahl H, Turner WC, Kirchman JJ</i> | How Do Individual Attributes Predict Bird Conservation Behaviors Among Birders in the United States? <i>Rich TD</i> | Partitioning of Signal Space in a Breeding Warbler Community <i>Sblendorio JM, Vonhof MJ, Gill SA</i> | Mechanisms Underlying the Maintenance of Species Boundaries: Lessons from Avian Hybrid Zones <i>Walsh JL, Aguillon SM, Clucas GV</i> |
| 1415 | *Will Low Oxygen Slow Range Shifts? Response to a Novel High Elevation Environment from Populations Across a Hummingbird Range <i>Spence AR, Tingley MW</i> | Genomics for the Management of 'Alalā (Corvus Hawaiiensis) in a Conservation Breeding Program <i>Leaviitt JS, Blanchet G, Datlof E, Bellinger R, Geib S, Masuda B, Sutton J</i> | Regional Variation in the Abundance of House Finches Created the Context that Determined the Impact of an Emerging Pathogen <i>Hochachka WM, Dhondt AA</i> | Preferences of Birdwatchers and Waterfowl Hunters in the United States and Canada: Results of Discrete Choice Experiments (DCEs) <i>Fulton DC, Dietsch A, Harshaw H, Raedeke A, Dayer A, Duberstein J</i> | Examining the Effect of Helicopter Noise on Bird Assemblages in Hawai'i's Protected Natural Areas <i>Gallardo Cruz KV, Paxton KL, Hart PJ</i> | Genetic Architecture and Asymmetric Introgression of Plumage-Related Reproductive Barriers in Hybridizing Birds <i>Semenov GA, Khaydarov DR, Safran RJ, Taylor SA</i> |
| 1430 | *Out in the Cold: a Novel Approach to Understanding the Physiological Drivers of Phenotypic Flexibility in Dark-Eyed Juncos <i>Stager M, Senner NR, Cheviron ZA</i> | Machine Annotation of Puaiohi Calls in Environmental Acoustic Recordings <i>Weyenberg GS, Rumpungworn MD, Howells LO, Paxton KL, Crampton LH, Hart PJ</i> | Cross-Ecosystem Subsidies in Acadia National Park: How Invertebrates Can Help Us Understand Mercury Exposure in Songbirds <i>Jackson AK, Frampton L, Garafalo M, Harris S, Nightingale B, Youre-Moses A</i> | Quantifying the Stability of Birds' Cultural Niches: Changing Public Perceptions of the North American Avifauna <i>Schuetz JG, Johnston A</i> | *Developmental Experience May Contribute to Adult Female Preferences for Male Mating Signals <i>Strauss AV, Podos J</i> | Using Comparative Genomics to Investigate Non-Geographic Drivers of Divergence and Introgression in Panamanian Birds <i>McLaughlin JF</i> |
| 1445 | Long-Term Effects of Early-Life Stress on the HPA Axis in a Short- And Long-Lived Bird <i>Grace JK, Anderson DJ, Angelier F</i> | A Comparison Between Traditional and Next Generation Screening Approaches to Characterize Avian Haemosporidian Parasites <i>Ray S, Henry M, Galen S, Ostrow EN, Disposto J, Kiziuk L, Weckstein JD</i> | Assessing Halogenated Marine Persistent Organic Pollutants in the Critically Endangered California Condor and Their Marine Mammal Prey <i>Stack ME, Hoh E, Dodder N, Tubbs C, Vilchis I, Felton R, Johnson J</i> | Minimizing All-Terrain Vehicle Impact in Bird Habitat: Reconciling Harvest and Conservation on Private Land in Western Alaska <i>Naneng W, Maroney RL, Naneng M, Tinker W</i> | Morphologically, Genetically and Vocally Divergent Warbling Vireo Subspecies Exhibit Indiscriminate Aggression Toward Intruders in a New Contact Zone <i>Spellman GM, Hammond A, Zhang T</i> | Differences in Introgression Across Two Hybrid Zones in the Great Plains <i>Billerman SM, Walsh J, Butcher BG, Lovette IJ</i> |
| 1500 | Do High-Energy Lifestyles in Birds Promote High Maximal Metabolic Capacities? <i>Swanson DL, Thomas NE, Zhang Y</i> | *Spatial Patterns of Habitat Use of the Sierra Madre Sparrow, Mexican and Endemic Mountain Bird, in Milpa Alta, Mexico City <i>Savarino-Drago A, Ruvalcaba-Ortega I, Martinez M, Martinez H, Martinez-Molina U, Martinez-Molina Y, Garcia-Loeza S, Rodriguez-Contreras V, Martinez-Molina G</i> | The Effects of Climate, Habitat, and Diet on Methylmercury Bioavailability for New York Songbirds <i>Adams EM, Sauer AK, Lane O, Regan K, Evers DC</i> | Prioritizing Regional Landscapes to Achieve Biological and Social Objectives Through Bird Habitat Conservation <i>Soulliere GJ, Al-Saffer MA</i> | *What Drives Flexible Signaling? Anthropogenic Noise and Social Context Affect Male House Wren Vocal Behavior <i>Grabarczyk EE, Vonhof MJ, Gill SA</i> | Evolutionary Genomics of Variable Carotenoid-Based Ornamentation in the Red-Backed Fairywren <i>Khalil S, Walsh J, Enbody ED, Baldassarre DT, Webster MS, Karubian J</i> |
| 1515 | From Shallow to Deep: A Torpor Spectrum in Hummingbirds Uncovered Using Thermal Imaging <i>Shankar A, Cisneros IN, Thompson S, Graham CH, Powers DR</i> | *Effects of Lead Exposure on Reproductive Success and Extra-Pair Paternity in a Common Urban Songbird <i>Hitt LG, Khalil S, Blanchette A, Finkelstein ME, Ribeiro RD, Iverson EN, McClelland SC, Karubian J</i> | Are Wetlands Hotspots for Bioaccumulation of Mercury in Songbirds? <i>Brasso RL, Rittenhouse KA, Winder VL</i> | Land Trusts and Birds: Partners in Strategic Conservation <i>Rodewald AD, Swarthout SB, Dayer AA, Rohrbaugh RW</i> | Who is There? Response to Different Type of Territorial Intruders <i>Sandoval L, Hamzaj T, Bonilla K, Gutierrez I</i> | Hybrid Zones and the Development of Reproductive Isolation in Flooded Versus Terra Firme Forest Birds of the Amazon <i>Weir JT</i> |
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| Session | Genomics & Systematics | Behavior | Symposium Cross-Pacific Migration: How the Impossible Becomes Commonplace (Ruthrauff) | Symposium Molecular Ecology is for the Birds: Using Molecular Techniques to Advance Our Understanding of Avian Ecology (Jusino) | Conservation | Migration & Stopover |
| 1600 | Identifying and Characterizing Transposable Element Polymorphisms in the Northern Flicker (<i>Colaptes auratus</i>) Species Complex <i>Hruska JP, Manthey JD</i> | *Provisioning Coordination Increases with Mate Familiarity in a Long-Lived Pelagic Seabird, the Manx Shearwater <i>Tyson CW, Gillies N, Guilford T, Hull J</i> | *Demographic and Distributional Responses by Long-Distance Migratory Shorebirds to the Rapid Loss of Staging Habitat <i>Chan Y, Lok T, Chung SS, Tibbitts TL, Hassell CJ, Piersma T, Zhang S</i> | Detecting Ecosystem Services from Insectivorous Birds <i>Jedlicka JA</i> | *Where in the World Are Migratory Birds Declining During the Annual Cycle? the Winter Survival of a Near Threatened Shorebird in South America <i>Herbert JA, Mizrahi D, Taylor C</i> | Assessing Optimality of Migratory Landbirds Crossing the Gulf of Mexico Using Individual-Based Modeling of Telemetry Data <i>Bolus RT, Diehl RH, Deppe JL, Ward MP, Moore FR, Celis-Murillo A, Zenzal Jr TJ, Smolinsky JA</i> |
| 1615 | Immigration May Decouple Heterozygosity and Inbreeding in Declining Populations of Florida Scrub-Jays <i>Nguyen TN, Chen N, Bowman R, Fitzpatrick JW, Clark AG</i> | Investigating the Role of Avian Vocalizations as 'Magic Traits' Using On-Bird Sensors <i>Tarango CA, Sillett TS, Gomez AJ, Fitzpatrick JW</i> | Cross-Seasonal Interactions: The Pacific as the World's Greatest Theater of Bird Migration <i>Piersma T</i> | Using Molecular Techniques to Study the Diets and Gut Microbiota of Migratory Birds <i>Trevelline BK</i> | *What Factors Influence Nest Survival of the Endangered Yellow-Headed Amazon? <i>Tarazona-Tubens FL, Britt CR, Abadi F, Desmond MJ</i> | Movement and Distribution of Red Knots (<i>Calidris canutus</i>) in the Southeastern U.S <i>Tuma ME, Powell AN</i> |
| 1630 | Phylogeny of the Hawaiian Thrushes (<i>Myadestes</i>) Based on UCE and Mitochondrial DNA Sequences <i>Fleischer RC, McInerney N, McIntosh CE, Sonsthagen S, Olson S, James H</i> | Hierarchical Fear: Predation Risk Has Direct and Indirect Effects on Nestling Growth and Stress <i>de Zwaan DR, Martin K</i> | | Using Box-Nesting Birds to Explore Methods in Studying Developmental Immunity and Gut Microbiota <i>Knutie SA</i> | Effects of Translocation on Burrowing Owl (<i>Athene cunicularia</i>) Survival, Fidelity, and Nesting Rates in Arizona <i>Doublet DN, Desmond MJ, Johnson DH, Abadi F</i> | Movement Patterns and Habitat Use of Endangered Whooping Cranes During Migration Through Canada's Oil Sands Mining Region <i>Bidwell MT, Conkin JA, Ball J, Brandt DA, Harrell W, Kindopp R, Metzger K, Pearse AT, Wiacek R</i> |
| 1645 | Reconciling the Mitonuclear Compatibility Species Concept with Rampant Mitochondrial Introgression <i>Hill GE</i> | Increased Predator Density Changes Nest Attendance Behavior of Yellow-Headed Blackbirds (<i>Xanthocephalus xanthocephalus</i>) <i>Harms TM, Behrens C, Ruff ZJ, Dinsmore SJ</i> | Closing Summary: A Synthesis and Gap Analysis of Migratory Connectivity Knowledge Available for Alaskan Birds <i>Harrison A</i> | Anthelmintic Drugs Modulate the Acute Phase Immune Response but Not the Microbiome in Wild Song Sparrows <i>Vaziri GJ, Jusino MA, Brewer MT, Adelman JS</i> | Landscape Matrix and Species Traits Mediate Avian Responses to Forest Fragmentation <i>Kennedy CM, Marra PP</i> | Revisiting Red-Winged Blackbird Migration: Fine-Scale Temporal and Spatial Movements of Individuals Across Annual Migration <i>Eshleman MA, Klug PE, Greives TJ, Gillam EH</i> |
| 1700 | The Common Yellowthroat Genoscape- a Genomic Approach to Delineating Conservation Units <i>Bossu CM, Rajbhandary J, Smith TB, Ruegg K</i> | Parental Behaviors Mediate the Effects of Bird Blow Fly Ectoparasitism on Nestling Wood Thrushes in Suburban Forests <i>Straley KM, Warren PS, King DI</i> | | Assessing the Relationship Between Multiple Paternity and the Cloacal Microbiome in Female Tree Swallows <i>Hernandez J, McGlothlin JW, Belden LK, Moore IT</i> | *Demographic Consequences of Road Mortality to Snowy Plovers at Gulf Islands National Seashore, FL <i>Durkin MM, Cohen JB</i> | Age-, Sex-, and Size-Related Differences in the Distribution of Migrating Landbirds on the Northern Gulf Coast <i>Calderon LN, Zenzal TJ, Barrow W, Wilson B, Buler JJ</i> |
| 1715 | A Genomic Investigation of the Potential Despeciation of Deeply Divergent Lineages in a Malagasy Passerine <i>Perry NL, Block NL, Younger JL, Raheirilalao M, Goodman SM, Reddy S</i> | Testing the Social Intelligence Hypothesis in Wild Birds <i>McCune KB, Jablonski P, Lee S, Ha RR</i> | | Panel Discussion | When Prioritizing Regions for Migratory Bird Habitat Conservation, Quantifying Costs Can Supersede Parametrizing a Population Model <i>Stanton Jr RA, McGowan CP, Robinson OJ</i> | *Assessing the Potential for Using Weather Radar to Predict Bird Collisions <i>Elmore JA, Horton KG, Riding CS, O'Connell TJ, Loss SR</i> |
| LUNCH BREAK | | | | | | |

*indicates student presenters eligible for AOS presentation award

COFFEE BREAK

*indicates student presenters eligible for AOS presentation award

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*indicates student presenters eligible for AOS presentation award

LUNCH BREAK

Friday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

| Room | Summit 5 | Summit 7/8 | Summit 9/10 | Summit 11/12 | Summit 13/14 |
|--------------|--|--|--|--|---|
| Session | Management & Policy | Symposium Counting Unmarked Birds: Matching Appropriate Sampling and Modeling Techniques with Particular Research Questions (Latif) | Symposium Wild Birds and the One Health Initiative: Dynamic Boundaries Affect the Health of Birds, Livestock, Humans, and the Environment (Ramey) | Symposium Translational Ecology - Producing Actionable Science (Saunders) | Symposium The Future of Global Bird Trait Datasets: A Game-changing Resource for Macroecology, Macroevolution and Conservation Biology? (Tobias) |
| 1600 | The NSF is Growing Pathways to STEM for Rural Community College Students via Community Partnerships and Intensive Mentoring <i>Gillespie LM, Heinisch S, Grandgenett N</i> | A General Framework to Integrate Repeated Count and Mark-Resight Data <i>Rushing CS, Hostetter NJ, Boettcher R, Lyons J</i> | It's Not Just Flowerpots and Tires: Defining the Impacts of West Nile Virus on a Woodland Bird, Ruffed Grouse <i>Williams LM, Brown JD, Nemeth NM, Hutchinson ML, Hebwig MW, Kyle AD</i> | Audubon's Vision: Restoring the Gulf of Mexico for Birds and People <i>Lankford KE</i> | Responses of Bird and Plant Communities to Global Change: Coupled or Decoupled? <i>Schleuning M</i> |
| 1615 | Landscape Composition Explains High Rates of Dispersal in Translocated Lesser Prairie-Chickens <i>Berigan LA, Aulicky C, Sullins D, Haukos D, Fricke K, Reitz J, Rossi L, Schultz K</i> | The Potential of Citizen Science Data for Population Monitoring <i>Johnston AA, Strimas-Mackey ME, Hochachka WM, Robinson O, Ruiz Gutierrez V, Miller E, Auer MT, Fink D</i> | Urban White Ibises Facing Trade-Offs in South Florida <i>Welch CN, Hernandez SM, Murray M, Curry SE, Kidd A, Hepinstall-Cymerman J, Lankau E, Yabsley M, Navarra K, Cummings C, Lipp E, Altizer S</i> | Using Structured Decision Making to Connect Bird Monitoring to Restoration Decision-Making <i>Adams EM, Fournier AM, Lyons JE, Wilson R, Gleason JS, Brush JM, Cooper RJ, DeMaso SJ, Driscoll MJ, Frederick PC, Jodice PG, Reeves DB</i> | Avian Functional Traits and the Impacts of Climate Change on Ecosystem Function <i>Pigot AL, Trisos C, Merow C, Tobias J</i> |
| 1630 | The Interactive Effects of Fire and Recreation on Golden Eagles <i>Davis CM, Heath JA</i> | Scaling Up by Integrating Standardized and Unstandardized, Community Science Count Data: a Case Study in the Upper Mississippi River <i>Michel NL, Meehan TD, Saunders SP</i> | Urban White Ibises Facing Trade-Offs in South Florida <i>Welch CN, Hernandez SM, Murray M, Curry SE, Kidd A, Hepinstall-Cymerman J, Lankau E, Yabsley M, Navarra K, Cummings C, Lipp E, Altizer S</i> | A Strategic Plan for Monitoring Birds in the Gulf of Mexico: Translating Stakeholder Values into Priorities <i>Fournier AM, Lyons JE, Wilson R, Gleason JS, Adams EM, Brush JM, Cooper RJ, DeMaso SJ, Driscoll MJ, Frederick PC, Jodice PG, Reeves DB</i> | How Trait Data Help Improve Avian Biodiversity Forecasts Under Global Change <i>Zurell D</i> |
| 1645 | Duration of Corvid Response to Forest Restoration Thinning: Implications for Conservation of the Threatened Marbled Murrelet <i>Hagar JC, Waianuheha LK</i> | Designing a Bird Survey for Latin America: The PROALAS Protocol in EBird <i>Ruiz-Gutierrez VV, Lello-Smith A, Ortega Alvarez R</i> | Lessons Learned from Research and Surveillance Directed at Highly Pathogenic Influenza Viruses in Wild Birds of North America <i>Ramey AM, DeLiberto TJ, Berhane Y, Swayne DE, Stallknecht DE</i> | Golden-Winged Warbler Conservation: Using Science to Take Action <i>Fowle MR, LaBarr MS, Barker SE</i> | The Impacts of Diversity and Assembly History on Community Vulnerability <i>Weeks BC, Tobias J</i> |
| 1700 | Effective Multi-Scale Governance for Migratory Shorebirds: Lessons from the EAAF and an Australian Wetland Site <i>Hamman EV</i> | Panel Discussion | Panel Discussion | An Assessment of Ecological Value and Vulnerability in the Bering, Chukchi, and Beaufort Seas <i>Smith MA, Goldman M, Knight E, Sullender B</i> | Panel Discussion |
| 1715 | | | Panel Discussion | Synthesizing Full Annual Cycle Science and Threats to Drive Conservation and Policy Actions for North American Migratory Birds <i>Deppe JL, Auer T, Knight E, Langham G, Marra P, Mackenzie S, Rosenberg K, Smith M, Taylor L</i> | |
| COFFEE BREAK | | | | | |