

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 & Rosenberg) | Symposium Breaking Through Biases: What We’ve Learned from Female Birds (Odom & Bennett) | 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, Heltl 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> | Montane Biogeography and the Evolution of Disjunct Ranges: a Case Study in the Diglossa Flowerpiercers <i>Hiller AE, Brumfield RT, Faircloth BC</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 L, Hathcock TJ, Najar N, Mitchell L, Cavar J, Logue D</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 HR, Valqui T, Jason WD, Williamson JL, Witt CC</i> | Behavioral Landscape of ‘Oma’o Vocalizations in a Naturally Fragmented Habitat <i>Netoskie EC, Paxton KL, Paxton EH, Hart PJ</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> | *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 CM</i> | Climate Delineates the Northern Range Boundary of the Northern Cardinal <i>Miller CR, Porter WP, Fitzpatrick MJ, Zuckenberg B</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> | Multiple Hybrid Zones in a Widespread Amazonian Bird Reveal Different Evolutionary Processes <i>Moncrieff AE, 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 EC, Paxton EH, Hart PJ</i> | Diversification and Biogeography in an Indo-Pacific Bird Radiation (Pachycephalidae) <i>Brady SS, Joseph LG, Moyle RG, Andersen MJ</i> | Quantifying Multiple-Benefits of Bird Conservation in the Agricultural Mosaic of California’s Central Valley <i>Seavy NE, Humple D</i> |
| 1130 | American Seabirds: A Review of Status, Threats, and Conservation on Land and at Sea <i>Nevins HM, Goyert H, Keitt B, Wiedenfeld D</i> | Migratory Landbird Conservation Compromised by Failure to Address Sexual Segregation <i>Bennett RE, Rodewald AD, Rosenberg KV</i> | Comparative Phylogeography of Amazonian Riverine Island Birds <i>Johnson O, Brumfield RT</i> | Deep Convolutional Neural Network to Detect Forest Owls of the Pacific Northwest <i>Lesmeister DB, Ruff ZJ, Sullivan CM</i> | *Patterns and Mechanisms of Heterogeneous Breeding Distribution Shifts in North American Migratory Birds <i>McCaslin HM, Heath JA</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> | 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> | Comparing Land-Sparing and Land-Sharing Conservation Approaches in a Coffee-Growing Region with High Avian Biodiversity <i>Valente JJ, Ryder TB, Rice RA, Gómez C, Bayly NJ, Sillett TS, Marra PP</i> |
| LUNCH BREAK | | | | | | |

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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 & Kennedy) | Evolution | Conservation | Migration & Stopover | Symposium Social Dynamics in Interspecific Interactions (Johnson & Shizuka) | Symposium Avian Biology and the Annual Life Cycle: Shorebirds as Models to Understand Dynamic Boundaries (Gurney & Ruthrauff) |
| 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> | Extinction Debt and Species Credit in Tropical Forest Bird Communities: Conservation Implications for Two Biodiversity Hotspots <i>Newmark WD</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, Larkin JL, 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> | *Cross-Scale Interaction Effects of Climate and Forest Patch Size on the Persistence of Forest-Interior Birds <i>Chaudhary A, Gutzwiller KJ</i> | Phenology of the Purple Martin Annual Cycle <i>Kelly JF, Horton KG, 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, Slaughter 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 Flammulated 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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1730–1830 EARLY PROFESSIONAL SYMPOSIUM

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|--------------|--|---|--|---|---|---|
| Session | Genomics | Behavior | Symposium Cross-Pacific Migration: How the Impossible Becomes Commonplace (Ruthrauff & Gill) | Symposium Molecular Ecology is for the Birds: Using Molecular Techniques to Advance Our Understanding of Avian Ecology (Jusino & Lorenz) | Conservation | Migration & Stopover |
| 1400 | Genomic Differentiation Along the Speciation Continuum in Three Hummingbird Species Pairs <i>Henderson EC, Brelsford A</i> | *Plasticity of Aggressive Behavior in Bachman's Sparrows <i>Niederhauser JM, Ali S, Ziadi MP, Anderson RC</i> | Two Millennia in the Making: Understanding Trans-Pacific Avian Migration <i>Gill Jr E</i> | An Ornithologist's Toolkit for Molecular Community Ecology <i>Jusino MA</i> | Captivity and the Gut Microbiota of 'Akikiki: Implications for Conservation of a Critically Endangered Hawaiian Honeycreeper <i>Costantini MS, Crampton C, Masuda B, Reed F</i> | Quantifying Passage Population Size and Migration Phenology of Endangered Rufa Red Knots Staging in Southwestern James Bay, Ontario, Canada <i>MacDonald AJ, Smith PA, Friis CA, Lyons JE, Nol E</i> |
| 1415 | *Genomics and Color Morphs: Comparison of Whole Genome Sequence Data Between a Melanin-Based and a Carotenoid-Based Species <i>Shakya SB, Brumfield RT, Sheldon FH</i> | *Exploratory Behavior in Brown-Headed Nuthatches May Indicate Successful Population Reintroduction Strategy <i>Gray MM</i> | Tropical Convection, Atmospheric Teleconnections, and Possible Links to Wind-Assisted Bird Migration Over the North Pacific <i>Feldstein SB, Gill RE, Douglas DC</i> | | Down in the 'weeds' Searching for Answers to Wood Thrush Fledgling and Juvenile Survival <i>Hayes SM, Boyd B, Stutchbury BJ</i> | A Comparison of Spring and Fall Body Condition and Hematological Parameters in Two Migratory Songbirds <i>Hatch MI, Smith RJ</i> |
| 1430 | *Genomics of Parallel Divergence and Local Adaptation in Two North American Woodpeckers <i>Moreira LR, Smith BT</i> | Incubation Behavior of Trumpeter Swans Measured by Continuous Infrared Videography <i>Delehanty DJ, Bush DA</i> | What Nonstop Trans-Pacific Flights of Shorebirds Mean for Our Understanding of the Energetic and Physiological Limits to Endurance Flight <i>Guglielmo CG, Lindstr"om</i> | Using Molecular Methods to Identify Fungi at Woodpecker Excavated Cavities in Western Coniferous Forests <i>Lorenz TJ, Jusino MA, Schilling JS, Andrews E, Seveyka J, Fischer PC</i> | Comparison of Abundance and Annual Return Rates of Wintering Piping Plovers on Natural and Man-Made Beaches in the Mississippi Sound <i>Darrah AJ</i> | Annual Variation in Use of a Spring Stopover Site by Three Migratory Shorebirds <i>Tucker AM, McGowan CP</i> |
| 1445 | A Genomic Comparison Between Flycatchers Only Distinguishable by Innate Song Differences <i>Garcia NC, Campagna L, Rush AC, Bowie RC, Lovette IJ</i> | *Deep Snow and Dense Cover Influence Habitat Selection in a Winter-Adapted Bird <i>Shipley AA, Zuckerberg B</i> | Wind Assistance Along the Trans-Pacific Migration Corridor of the Bar-Tailed Godwit: Past, Present, and Future <i>Gill Jr RE, Douglas DC, Feldstein SB, Mills CM, Battley PF, Handel CM</i> | *The Nidobiome as a Framework to Understand Microbiome Assembly <i>Campos-Cerda F, Bohannan BJ</i> | *Patterns of Northern Bobwhite Juvenile Survival on Extensive Prairies and Mixed Agricultural, Grassland, and Wooded Landscapes in Missouri <i>Sinnott EA, Thompson FR, Weegman MD, Thompson T</i> | What Causes Vagrancy in Some New World Warblers Along the Pacific Coast? <i>Ralph CJ, Wolfe JD</i> |
| 1500 | Gradual Evolution Towards Flightlessness in Steamer-Ducks <i>Campagna L, McCracken K, Lovette IJ</i> | *Stinky is Sexy: The Major Histocompatibility Complex, Mate Choice and Personal Odor in Leach's Storm-Petrels <i>Jennings SL, Hoover BA, Sin Y, Nevitt GA, Edwards SV, Ebeler SE</i> | Minding the Gap: An Energetics-Based Perspective on Not Migrating <i>Ruthrauff DR, Dekinga A, Gill Jr RE, Piersma T</i> | *Is There an Association Between Communities of Wood Decay Fungi and Black-Capped Chickadee Nest Cavities? <i>Gable CL, Lindsay AR, Jusino MA</i> | Cumulative Effects of Forest Harvesting, Wildfires, and Roads on Olive-Sided Flycatcher Habitat in British Columbia: Implications for Environmental Assessment Processes <i>Norris AR, De Groot K, Robinson A, Dohms KM, Thomas J, Lee A, Moore K, Martin K</i> | *Migratory Bird Use of Stopover Sites in Midwestern Forests and Urban Habitats During Spring and Fall <i>Outcalt JM, Buler JJ, Smolinsky JA, Dunning JB</i> |
| 1515 | Is Mutation Rate Linked to Diversification in Birds? <i>Oliveros CH, Faircloth BC</i> | *Dominance Rank and Sex Predict Social Network Position in a Winter Social Groups in a Passerine Bird <i>Block TA, Shizuka D, Chaîne AS, Lyon BE</i> | Rapid Global Differentiation of Migratory Phenotypes in Bar-Tailed Godwits <i>Conklin JR, Verkuil YI, Piersma T, Fontaine MC</i> | Revealing Unknown Interactions: The Role of Patagonian Tapaculos (Rhinocryptidae) on the Dispersal of Endemic Truffles <i>Caiafa MV, Jusino MA, Díaz IA, Smith ME</i> | Responses of State-Endangered Common Terns (Sterna Hirundo) in Ohio to the Use of Artificial Nesting Platforms <i>Kearns LJ, Shirkey B, Picciuto M, Crouser A, Scott E</i> | What Can Weather Surveillance Radar Data Tell Us About Stopover Duration of Migrating Land Birds? <i>Buler JJ, Zenzal Jr TJ, Moore FR, CalderiÑn LN, Barrow Jr W, Wilson B</i> |
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Thursday, Late Afternoon Session

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|---------|--|--|---|--|---|--|
| Session | Genomics & Systematics | Behavior | Symposium Cross-Pacific Migration: How the Impossible Becomes Commonplace (Ruthrauff & Gill) | Symposium Molecular Ecology is for the Birds: Using Molecular Techniques to Advance Our Understanding of Avian Ecology (Jusino & Lorenz) | 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 JM</i> | Migratory Patterns of Sooty Shearwaters (<i>Ardenna Grisea</i>) Across the Pacific Ocean <i>Shaffer SA, Harrison A</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 CM</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> | *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> | 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 (Myadestes) Based on UCE and Mitochondrial DNA Sequences <i>Fleischer RC, McInerney N, McIntosh CE, Sonsthagen SA, 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> | Cross-Seasonal Interactions: The Pacific as the World's Greatest Theater of Bird Migration <i>Piersma T</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 D, 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, Pearce 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> | | 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 KC</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 Jr 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> |

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| Session | Human Dimensions & Policy | Symposium Undergrad Symposium | Urban Ecology | Symposium Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves Et AL.) | Morphology & Molt | Symposium Lessons from Avian Hybrid Zones and the Maintenance of Species Boundaries (Aguillon Et AL.) |
| 1600 | <p>*Wedge-Tailed Shearwater Persistence in Human-Dominated Areas</p> <p><i>Idle JL, Friswold BM, Harmon KC, Price MR</i></p> | <p>*Development, Not Bird Feeders, is Associated with Increased Occupancy of Northern Cardinals in Northern Michigan</p> <p><i>Toner SM, Bonter DN</i></p> | <p>*Investigating the Influence of Polarized Light and Artificial Night Lighting on Bird-Building Collisions</p> <p><i>Lao S, Anderson AW, Blair RB, Eckles JW, Robertson BA, Turner RJ, Loss SR</i></p> | <p>*Aspects of Municipalities Associated with Occupancy and Abundance of Chimney Swifts in Illinois</p> <p><i>Hurd ML, Benson TJ, Ward MP</i></p> | <p>The Role of Diet and Nesting in Bill Shape Diversification of Frugivorous Asian Barbets</p> <p><i>Krishnan A, Souza N, Reddy S</i></p> | <p>Hybridization in Northern Flickers Reveals Loci Associated with Feather Coloration</p> <p><i>Aguillon SM, Lovette IJ</i></p> |
| 1615 | <p>If You Build It, They Will Come: Avian Utilization and Predation at a Large-Scale Photovoltaic Solar Facility</p> <p><i>Griffiths JL, Meade DE, Dart JD</i></p> | <p>*Integrating Machine Learning and Citizen Science Data to Generate High-Performing Species Distribution Models for the Globally Vulnerable Gray Tinamou (Tinamus Tao)</p> <p><i>Wiebe RA</i></p> | <p>Urbanization and Elevated Cholesterol in American Crows</p> <p><i>Townsend AK, Staab H, Barker CM</i></p> | <p>Cross-Cultural Considerations in Wildlife Management and Conservation</p> <p><i>Leonetti CC</i></p> | <p>Glare Reduction Properties of Dark Avian Facial Markings</p> <p><i>Lebow CK, Burt DB</i></p> | <p>Cardinals Are Red, Buntings Are Blue; Because They Hybridize, They're Interesting Too!</p> <p><i>Megna LC, Carling MD</i></p> |
| 1630 | <p>Year-Round Monitoring Reveals a Unique Seasonal Pattern of Bird-Window Collisions Along the Pacific Coast of North America</p> <p><i>De Groot KL, Porter AN, Norris AR, Huang AC</i></p> | <p>*Modeling Persistent Effects of West Nile Virus on Avian Population Dynamics in the Northeastern United States</p> <p><i>Dupont GL, Bonter DN, Robinson OJ</i></p> | | <p>Sustainability in Long-Term Collaborations: The Harvest Assessment Program of the Alaska Migratory Bird Co-Management Council</p> <p><i>Naves LC, Fall J, Tulik C, Pederson M, Keating JM, Fischer J, Schwalenberg P</i></p> | <p>Evolution of Molt-Migration: a Large-Scale Phylogenetic Approach</p> <p><i>Pageau C, Reudink MW</i></p> | <p>Sex Chromosome Inversions May Enforce Reproductive Isolation Across an Avian Hybrid Zone</p> <p><i>Hooper DM, Griffith SC, Price TD</i></p> |
| 1645 | <p>Engaging Undergraduate Students in an Authentic Course-Based Research Experience Using Archived Nest Video Footage</p> <p><i>Stracey CM</i></p> | Panel Discussion | <p>Relationships Between Local- And Landscape-Scale Management and Urban Bird Communities Across Six Major Metropolitan Areas: Do Yards Matter?</p> <p><i>Narango DL, Lerman SB, Hall SJ, Hobbie SE, Neill C, Trammell TL, Groffman P</i></p> | <p>Banding Together to Learn and Preserve: 25 Years of Research in Cross-Cultural Western Alaska</p> <p><i>Ely CR</i></p> | <p>Molt-Migration in the Mexican Monsoon: 90 Years of Specimens Reveal a Phenological Mismatch Caused by Anthropogenic Climate Change</p> <p><i>Terrill RS, Tsai WL, Maley JM, Rohwer S, Pimm G, McCormack JE</i></p> | <p>Genomic and Morphological Approaches to Understanding Speciation in Jamaican-Endemic Streamertail Hummingbirds</p> <p><i>Judy CD, Brumfield RT, Graves GR</i></p> |
| 1700 | <p>Engaging with Veterinarians to Reduce Cat Overpopulation and Cat Impacts on Wildlife Populations</p> <p><i>Sherwood LJ, Wilson AG, South CS, Roche SM, Luszcz TM</i></p> | | <p>Songbirds Alter Their Use of Bird Feeders in Response to Vocalization Playback</p> <p><i>Barron DG, Sarna SD, Middleton RL</i></p> | <p>Human Dimensions Applications in Shorebird Subsistence Harvest and Indigenous Knowledge in Alaska</p> <p><i>Keating JM, Naves LC, Tibbitts TL, Ruthrauff DR</i></p> | <p>Simultaneous Rectrix Molt and Comparative Molt Ecology of Eastern Wood-Warblers</p> <p><i>Mumme RL, Mulvihill RS</i></p> | <p>Ancient and Contemporary Hybridization Amongst Wood Warblers</p> <p><i>Toews DP, Taylor SA, Streby H, Kramer G, Brennan C, Jones A, Lovette IJ</i></p> |
| 1715 | <p>Evaluating Bird Feeders as Tools to Connect People with Nature, and Challenges Associated with Middle School Interventions</p> <p><i>Hammond RL, Theimer TC</i></p> | | <p>*Effects of Habitat Type on Provisioning Florida Burrowing Owl Space Use and Movements</p> <p><i>Rose EH, Boughton RK</i></p> | <p>Panel Discussion</p> <p><i>Dayer A</i></p> | <p>Bill Size Evolution in Response to Human-Mediated Ecological Change in a Tidal Marsh Songbird</p> <p><i>Benham PM, Bowie RC</i></p> | <p>Assessing Assortative Mating in Hybrid Zones</p> <p><i>Scordato ES</i></p> |

*indicates student presenters eligible for AOS presentation award

LUNCH BREAK

Friday, Morning Session

*indicates student presenters eligible for AOS presentation award

| Room | Summit 5 | Summit 6 | Summit 7/8 | Summit 9/10 | Summit 11/12 | Summit 13/14 |
|---------|---|---|---|--|---|--|
| Session | Foraging & Food Habits | Citizen Science | Symposium Counting Unmarked Birds: Matching Appropriate Sampling and Modeling Techniques with Particular Research Questions (Latif & Valente) | Symposium Wild Birds and the One Health Initiative: Dynamic Boundaries Affect the Health of Birds, Livestock, Humans, and the Environment (Ramey) | Symposium Birds with Benefits: Evidence and Trade-offs of Multiple-benefit Conservation Focused on Birds (Gardali Et AL.) | Symposium The Future of Global Bird Trait Datasets: A Game-changing Resource for Macroecology, Macroevolution and Conservation Biology? (Tobias Et AL.) |
| 1030 | Gyr Falcon Dietary Plasticity in a Changing Tundra Ecosystem <i>Johnson DL, Henderson M, Anderson DL, Booms T, Robinson B, Williams CT</i> | Eggshell Characteristics as Predictors of Heavy Metal Concentration in House Sparrow Eggs <i>Hartley SM, Cooper CB</i> | Estimating Avian Abundance from Unmarked Populations: Requirements, Assumptions, and Finding the Best Method for Your Research <i>Amundson CL, Latif QS, Valente J</i> | Wild Birds and One Health: Dynamic Boundaries Affect the Health of Birds, Livestock, Humans, and the Environment <i>Ramey AM</i> | What is Multiple-Benefit Conservation and Why Care? <i>Gardali T, Seavy NE, Dybala KE</i> | Life History Trait Variation Across a Tropical Elevational Gradient <i>Jankowski JE, Scholer MN, Londono GA</i> |
| 1045 | Canada Jay (<i>Perisoreus Canadensis</i>) Foraging Ecology in Denali National Park and Preserve, Alaska <i>Swift KN, Marzluff JM, Williams EJ</i> | The Role of eBird in Fine-Scale Distribution and Density Modeling <i>Hallman TA, Robinson WD</i> | Sampling Design Considerations for Making Strong Inference from Large-Scale Monitoring Programs <i>Pavlacki DC</i> | Evolutionary Changes Following a Successful Host Shift: The Case of <i>Mycoplasma Gallisepticum</i> | Trade-Offs Between Carbon Storage and Biodiversity Conservation in Reforested Riparian Zones <i>Dybala KE, Steger K, Walsh RG, Smart DR, Gardali T, Seavy NE</i> | Phylogenetic and Functional Structure of Avian Communities Along a Tropical Elevational Gradient <i>Boyce AJ, Shakya SS, Sheldon FH, Moyle RG, Martin TE</i> |
| 1100 | Trophic Transfer of Energy via Nestling Wading Birds to a Scavenger Community in an Oligotrophic Wetland <i>Gabel WW</i> | Webcams as an Untapped Opportunity to Conduct Citizen Science: Six Years of the American Kestrel Partnership's KestrelCam <i>Schulwitz SE, Spurling DP, Davis TS, McClure CJ</i> | On a Simulated Day, You Can See Forever: Comparing Analytical Methods Using Simulated Point Counts <i>Rigby EA, Johnson DH</i> | <i>Dhondt AA, Dhondt KV, Dobson AP, Geary SJ, Hawley DM, Hochachka WM, Ley DH, Pflaum K, Reinoso-Peres M, Tulman ER</i> | Dynamic Replenishment: Implementing a Multi-Benefit Approach to Creating Bird Habitat and Recharging Groundwater <i>Barfield J, Rohde M, Golet G, Reynolds M, Andrews K</i> | The Impact of Species Interactions on Latitudinal Gradients in Trait Evolution in Birds <i>Drury JP</i> |
| 1115 | Using DNA Metabarcoding to Determine Seaside Sparrow Diet Following Large-Scale Disturbances <i>Snider AM, Bonisoli Alquati A, Woltmann S, Stouffer PC, Taylor SS</i> | Tiger Sharks Eat Passerines: Exploring the Prevalence of a Unique Cross-System Pulsed Subsidy <i>Drymon M, Feldheim K, Fournier A, Seubert E, Kroetz A, Powers S</i> | From Single-Day to Multi-Year Revisits: Matching Sampling Strategies to Inferential Goals <i>Tingley MW</i> | Harmful Algal Blooms in Northern Waters: An Emerging Issue for Alaskan Seabirds? | Waterbird Habitat Quality and Groundwater Recharge Potential of Alfalfa in the San Joaquin Valley <i>Strum KM, Sesser KA, Shuford WD, Golet GH</i> | Are Rates of Divergent Evolution in "Biotic Interaction" Traits Faster in the Tropics? A Test Using Bird Beaks <i>Freeman BG, Schluter D, Tobias JA</i> |
| 1130 | Validating the Barcode-Biomass Match: Can DNA Barcoding Determine the Contribution of Arthropod Taxa to the Diet of Birds? <i>Verkuil YI, Ubels R, Samplonius J, Nicolaus M, Dietz M, Galema A, Kieckebos K, de Knijff P, Both C</i> | Birds Across Borders: Uniting Curriculum, Students, Cultures, and Generations <i>Campbell-Smith JA, Cannady G</i> | Optimizing Aerial Seabird Survey Design: Pitfalls and Progress <i>Davis KL, Farr MT, Wilson RR, Silverman ED, Sussman A, Lyons JE, Zipkin EF</i> | <i>Van Hemert CR, Smith MM, Schoen SK, Dusek RJ, Piatt JF, Arimitsu ML, Litaker RW, Pearce JM</i> | Multiple Benefits from a Migratory Bird Species: Where They Originate and How it Matters to Management <i>Semmens DJ, Bagstad K, Diffendorfer J, Mattsson B, Dubovsky J, Thogmartin W, Wiederholt R, Loomis J, Bieri J, Sample C, Goldstein J, López-Hoffman L</i> | Global Biogeographic Gradients in Avian Colouration <i>Cooney CR, He Y, Thomas GH</i> |
| 1145 | Demographic and Seasonal Variation in Biofilm Consumption by Migratory Western Sandpipers (<i>Calidris Mauri</i>) <i>Hall LA, De La Cruz SE, Takekawa JY</i> | Creating Diverse and Quality Habitat for Birds Through Application of Management Guidelines for Land Managers in Northern Hardwood Forests <i>Treyger SM, Burger MF</i> | What Can We Do with Survey Design Specific Biases in Point-Count Data? Integrating Roadside Surveys and New Technologies <i>Solymos P, Matsuoka SM, Van Wilgenburg SL, Stralberg D, Cumming SG, Bayne EM</i> | Panel Discussion | Designing Coastal Conservation to Achieve Both Ecological and Human Well-Being Goals <i>Annis GM, Pearsall DR, May CA, Ewert DN</i> | Climate, Habitat, and Geographic Range Overlap Drive Plumage Evolution and Mimicry in Woodpeckers <i>Miller ET, Leighton GM, Freeman BG, Lees AC, Ligon RA</i> |

LUNCH BREAK

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COFFEE BREAK

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COFFEE BREAK

Friday, Late Afternoon Session

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| Room | Arteaga Theatre | Cook Theatre | Summit 1 | Summit 2 | Summit 3 | Summit 4 |
|---------|---|--|--|---|--|--|
| Session | Conservation | Symposium Long-term Studies of Cavity-nesting Birds: Windows into Environmental Change (Duckworth & Fair) | Migration & Stopover | Symposium Seabirds on the Edge of Two Worlds: Ecology and Conservation of Brachyramphus Murrelets in Marine and Terrestrial Environments (Rivers & Kissling) | Genomics | Behavior |
| 1600 | Site Fidelity and Pairing Behavior in a Wintering Population of American Kestrels in North Texas <i>Biles KS, Bednarz JC</i> | Long-Term Dynamics of Tree-Cavity-Nesting Communities in Temperate and Subtropical Forests | Global Trends in Avian Partial Migration: a Meta-Analysis <i>Zavaleta ES</i> | Breeding Season Movements and Marine Habitat Use by the Marbled Murrelet in Oregon <i>Garcia-Heras M, Adrean LJ, Nelson SK, Roby DD, Betts MG, Rivers JW</i> | Population Genomics of Greater White-Fronted Goose <i>Wilson RE, Sonsthagen SA, Ely CR, Talbot SL, DaCosta JM, Sorenson MD, Scribner KT, Weaver M, Skalos D</i> | Timing of Breeding in American Coots: Bet-Hedging Against Nest Predation When Reproductive Performance Declines with Season <i>Lyon BE</i> |
| 1615 | Life on the Edge: Density and Demography of Marsh Wrens and Seaside Sparrows in Northeastern Florida <i>Schwarzer AC, Cox WA</i> | <i>Cockle KL, Norris AR, Wiebe KL, Trzcinski MK, Edworthy AB, Martin K</i> | Nocturnal Bird Migration and Light: Midnight Sun, a Solar Eclipse and Artificial Light <i>Nilsson CH, Horton KG, Dokter A, Van Doren B, Farnsworth A</i> | Distribution and Use of Freshwater Habitats by Kittlitz's Murrelets on Lakes in the Lower Wood River Lake System, Alaska <i>Nesvacil KA, Pendleton G, Swaim M, Walsh P</i> | The Long and the Short of It: Linking Genome-Wide Signatures of Selection Across Evolutionary Timescales in Birds <i>Shultz AJ, Arnold B, Sackton TB</i> | Manipulated Sex Ratios Alter Group Structure and Cooperation in the Brown-Headed Nuthatch <i>Cox JA, Cusick JA, DuVal EH</i> |
| 1630 | Saving the Kiwiku (Pseudonestor Xanthophrys): Recovery Efforts in Maui, Hawaii <i>Mounce HL, Farmer C, Berry L, Masuda B, Warren C, Berthold L, Duvall F</i> | Population Increases Despite Habitat Saturation: What Can We Learn from Five Decades of Research? <i>Walters EL, Hagemeyer ND, Barve S, Pesendorfer MB, Koenig WD</i> | Migration of Buff-Breasted Sandpipers at Two Key Regions in the Mid-Continent: Northern Gulf of Mexico and the Flint Hills <i>Lyons JE, Andres BA, Penner RL, Stone K, Wolfenbarger LL</i> | Seasonal Offshore Distribution and Habitat Use of Brachyramphus Murrelets in Alaska <i>Labunski EA, Kuletz K, Osnas E</i> | Comparative Genomic Structure Within Alaskan Galliforms <i>Sonsthagen SA, Wilson RE, Merizon RA, Talbot SL</i> | Helpers Mitigate Negative Effects of Predation Threat in the Cooperatively Breeding Purple-Backed Fairy Wren <i>Meyer DK, Kinnebrew E, Pruett-Jones S, Johnson AE</i> |
| 1645 | Forest Area Required to Support Landbird Population Goals for the Mississippi Alluvial Valley <i>Twedt DJ, Mini A</i> | Consequences of Long-Term Habitat Change and Resource Selection for Population Limitation in Cavity-Nesting Birds | Migratory Bird Twilight Ascent and Descent Rates Along the Southwestern Shoreline of Lake Erie <i>Wellik MJ, Kirsch EM, Sheildcastle M</i> | Consistent Post-Breeding Movements of Marbled Murrelet from British Columbia to Alaska (2014-2016) <i>Bertram DF, MacDonald CA, O'Hara PD, Cragg JL, Corcoran R, Greene R, Woo K</i> | Evolutionary Genomics of the Brown Creeper <i>Manthey JD, Klicka J, Spellman GM</i> | |
| 1700 | Do Piping Plovers in the Northern Great Plains Function as a Metapopulation & Why Does it Matter for Conservation? <i>Anteau MJ, Swift RJ, Sherfy MH, Toy DL, Ring MM</i> | <i>Martin TE</i> | Migratory Behavior of the Western Burrowing Owl: Connecting Canada, United States, and Mexico <i>Conway CJ, Wellicome TI, Johnson DH, Conley JL, Lundblad CG, Bruinsma DR, Fisher RJ</i> | Post-Breeding Migration of Kittlitz's Murrelets from the Gulf of Alaska to the Bering Sea and Beyond <i>Douglas DC, Piatt JF, Arimitsu ML, Madison EN, Kissling ML, Schoen SK</i> | | |
| 1715 | | Panel Discussion <i>Fair J</i> | | | | |

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 & Valente) | 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 Et AL.) | Symposium The Future of Global Bird Trait Datasets: A Game-changing Resource for Macroecology, Macroevolution and Conservation Biology? (Tobias Et AL.) |
| 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 | 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 OJ, Ruiz Gutierrez VV, Miller E, Auer MT, Fink D</i> | <i>Williams LM, Brown JD, Nemeth NM, Hutchinson ML, Helwig MW, Kyle AD</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 JA</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 | 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 JA</i> |
| 1700 | Effective Multi-Scale Governance for Migratory Shorebirds: Lessons from the EAAF and an Australian Wetland Site <i>Hamman EV</i> | Panel Discussion | <i>Ramey AM, DeLiberto TJ, Berhane Y, Swayne DE, Stallknecht DE</i> | 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 GM, Marra P, Mackenzie S, Rosenberg K, Smith M, Taylor L</i> | |