

Wednesday, Morning Session *indicates student presenters eligible for AOS presentation award

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Room	1	2	3	4	5	6
Ses-sion	Population biology	Biogeography	Agriculture	Songs\Vocalizations	Conserva-tion\Popn Dynamics	Habitat relationships
10:30	*Growth of two Atlantic Coast Piping Plover populations <i>Weithman CE, Robinson SG, Hunt KL, Altman J, Bellman HA, DeRose-Wilson AL, Walker KM, Fraser JD, Karpanty SM, Catlin DH</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>	It's the same old song: benefits of song dialects in the Lapland Longspur <i>Montgomerie RD, Cox A, Mullie A</i>	*Cutting out without losing out: subsampling soundscapes for long-term avian biodiversity monitoring <i>Eiseman JP, Vonhof MJ, Gill SA</i>	*Shrub encroachment alters distributions and demography of breeding birds in semiarid grasslands <i>Andersen EM, Steidl RJ</i>
10:45	When the freezer breaks: will climate warming impact the persistence of resident birds in Alaska? <i>Williams EJ, Phillips LM, Grigsby T, Norris R, Chicalo R, Marzloff J, Swift K</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>	Behavioral landscape of 'Oma'o vocalizations in a naturally fragmented habitat <i>Netoskie EC, Paxton KL, Paxton EH, Hart PJ</i>	Spatial Models to Facilitate Broad-Scale Conservation of Breeding Habitat for Secretive Marsh Birds <i>Stevens BS, Conway CJ</i>	*Are We Sure About Shearing? Evaluating the Impact of a Widely Used but Poorly Assessed Habitat Management Practice <i>Buckardt Thomas AC, Roth AM, McNeil Jr DJ, Johnson K, Rodewald AD, Larkin JL</i>
11:00	Population genomics of Hawaiian House Finches (<i>Haemorrhous mexicanus</i>): investigating genetic variation of an introduced population <i>Demery AC, Edwards S, Shultz AJ</i>	Diversification and biogeography in an Indo-Pacific bird radiation (<i>Pachycephalidae</i>) <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>	*Behavioral and Spectrographic Analysis of Chatter: A Novel Vocalization in Northern Mockingbirds <i>Brown BB, Stracey C</i>	A Bayesian network approach for improved seasonal distribution models of long-distance migratory passerines using <i>Tyrannus flycatchers</i> <i>MacPherson MP</i>	Restoration Success: Avian Richness and Abundance Among 1,000 Acres of Restored San Francisco Bay Tidal Marsh Habitat, Based on Point Count Surveys That Employ Citizen Scientists <i>Edelstein D</i>
11:15	*Using integrated models to identify ecology and population dynamics of a threatened arctic species <i>Dunham KD, Abebe A, Dobson SF, Koons DN, Grand JB</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>	*Repertoire size and individual variation in vocalizations of <i>EžãÑmaÈzo</i> (<i>Myadestes obscurus</i>) an endemic Hawaiian thrush <i>Tysall EE, Paxton KL, Netoskie E, Paxton E, Hart PJ</i>	Contrasting long-term population trends of beach-nesting shorebirds under shared environmental conditions <i>Kwon EB, Robinson S, Weithman C, Fraser JD, Karpanty SM, Catlin DH</i>	*Post-fire nest site selection and survival of Black-backed Woodpeckers <i>Stillman AN, Siegel RB, Wilkerson RL, Johnson M, Howell CA, Tingley MW</i>
11:30	Population dynamics of a long-distance migratory passerine at the edge of its range <i>Murphy MT, Redmond LJ, Dolan AC, Cooper NW, Chutter CM, Cancelleri S</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>	Deep Convolutional Neural Network to Detect Forest Owls of the Pacific Northwest <i>Lesmeister DB, Ruff ZJ, Sullivan CM</i>	*Investigation of population change in a hurricane affected Piping Plover population <i>Robinson SG, Gibson D, Fraser JD, Bellman HA, DeRose-Wilson AL, Karpanty SM, Walker KM, Catlin DH</i>	*Identifying critical nesting habitat for ducks in Alberta's western boreal forest <i>Dyson ME, Slattery SM, Fedy BC</i>
11:45	Using museum specimens to investigate fitness variation across avian hybrid zones <i>Dougherty PJ, Carling MD, Fosberg SL</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, Gómez C, Bayly NJ, Sillett TS, Marra PP</i>	*Sex and species divergence in vocalizations between role-reversed shorebirds, Jacana spinosa and Jacana jacana <i>Buck EJ, Lipshutz SE, Derryberry EP</i>	Road Mortality in Barn Owls: Identifying Temporal and Spatial Hotspots in the Fraser Valley of British Columbia <i>Krebs EA, Hindmarch SR, Powers G</i>	Persistence in a Changing Landscape: Recurring Bird Concentration Areas on Alaska's Arctic Coastal Plain <i>Sullender BK, Smith MA</i>

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Room	7	8	9	10	11	12
Ses- sion	Move- ments/Dispersal	Phylogenet- ics/Phylogeography	Sexual selection	Sym: Understanding and addressing the collapse of the North American Avifauna (Marra)	Sym: Breaking through biases: what weâ€™ve learned from female birds (Odum)	Sym: Assessing the Cumulative Effects of Resource Development on Migratory Birds in Northern Boreal Regions (Mahon)
10:30	*Effects of source population and release strategy on reintroduced Scaled Quail mortality and dispersal <i>Ruzicka RE, Doherty, Jr PF, Rollins D</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>	Can male zebra finches perceive their own quality and adjust mate choice accordingly? <i>Martin JO, Chien E, Henson KE, Burley NT</i>	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>	Soaring to new heights: analytical approaches for cumulative effects assessment for migratory birds <i>Pelech SA, Mahon CL, Lowry N</i>
10:45	*A burning question: Does personality predict how pre-breeding Florida Scrub-Jays explore habitat in a fire history mosaic? <i>Sherer DL, Bohlen PJ, Bowman JR</i>	Multiple hybrid zones in a widespread Amazonian bird reveal different evolutionary processes <i>Moncrieff AE, Brumfield RT</i>	Experimentally increasing perceived competition for nests reduces female reproductive performance and extra-pair offspring <i>Murphy TG, Korsten P, Birker M, Marfull R, Komdeur J</i>	Decline and survival of North America's migratory avifauna determined by a weather radar network <i>Dokter AM</i>	Female Bird Songs â€” The other half of the conversation <i>Benedict Ln, Hathcock T, Najar N, Mitchell L, Cavar J, Logue D</i>	Understanding cumulative effects for land management in Alberta: models and applications <i>Solymos P, Toms JD, Bayne EM</i>
11:00	Long-term dynamics of breeding dispersal distances by adult Northern Spotted Owls <i>Jenkins JM, Lesmeister D, Forsman E, Dugger K</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>	Male Red Carotenoid Coloration Indicates Mitochondrial Performance in the House Finch <i>Hood WR, Hill GE, Kavazis AN, Zhang Y</i>	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>	Additive and interactive cumulative effects on boreal landbirds: winners and losers in a multi-stressor landscape <i>Mahon CL, Holloway GL, Bayne EM, Toms JD</i>
11:15	Does experimental local extinction of a flowering plant affect hummingbird movement patterns? <i>Leimberger KG, Hadley AS, Betts MG</i>	Comparative phylogeography of Amazonian riverine island birds <i>Johnson O, Brumfield RT</i>	Infanticide and Adoption in the Green-rumped Parrotlet: Killing Cavities, Remorseless Rogues and Betrayed Saints <i>Beissinger SR, Berg KS</i>	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>	Community-level response to cumulative effects of forestry and energy development <i>Toms JD, Carpenter TM</i>
11:30	Habitat Use and Foraging Flights of Roseate Spoonbills in Florida Bay <i>Lago EA, Baldwin JD, Lorenz JJ</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>	Within-pair annual and lifetime reproductive success drives the opportunity for sexual selection in black-throated blue warblers <i>Germain RR, Hallworth MT, Sillett TS, Webster MS</i>	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>	Adverse effects of climate change on boreal bird communities accentuated by natural and anthropogenic disturbances <i>Tremblay JA, Cadieux P, Boulanger Y, Cyr D, Taylor AR, Price DT, Solymos P, Stralberg D</i>
11:45	The allometry of movement and connectivity of bird communities <i>Hartfelder J, Fletcher RJ, Reynolds C, Monadjem A, McCleery R</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>	Associations of the cloacal microbiome with sexual ornamentation, condition, sex and habitat in molting House Finches <i>Hutton P, Giraudeau M, Sepp T, McGraw KJ</i>	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>	
LUNCH BREAK						

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Room	1	2	3	4	5	6
Ses- sion	Sym: Avian biology and the annual life cycle: shorebirds as models to understand dynamic boundaries (Gurney)	Climate	Sym: Species Limits in Birds: Integrative and Practical Considerations for Taxonomy (Winker & Rasmussen)	Breeding biology	Conservation	Sym: Social Dynamics in Interspecific Interactions (Shizuka)
14:00	Can stable isotopes help identify links between wintering, migration, and breeding areas of semipalmated sandpiper? <i>Gurney KE, Mizrahi DS, Alisauskas RT</i>	Validating climate suitability projections: Community science reveals that birds track their ecological niche in summer and winter <i>Saunders SP, Michel NL, Bateman BL, Wilsey CB, Slavin Z, Dale K, LeBaron G, Langham GM</i>	Integrative approaches to species delimitation in birds <i>Cicero C, Mason NA, Jimenez RA, Wait DR, Wang-Claypool CY, Bowie RC</i>	Can nest concealment in Wood Thrushes predict reproductive success? <i>Israel AM, Stutchbury BJ</i>	*Cross-scale interaction effects of climate and forest patch size on the persistence of forest-interior birds <i>Chaudhary A, Gutzwiller KJ</i>	Heterospecific sociality: how cooperation, competition, and communication across species shape avian behavior <i>Johnson AE</i>
14:15	Migratory Dynamics of Beringian Dunlin on the East Asian-Australasian Flyway <i>Lancot RB, Lagasse BJ, Yezerinac S, Brown S, Kendall S, Latty C, Liebezeit J, McGuire RL, Robards M, Saalfeld ST, Slaght J, Winder M</i>	Climate change threatens a songbird population through its impacts on breeding <i>Bonnot TW, Cox WA, Thompson FR, Millspaugh JJ</i>	Revisionist History - Towards comparable species across avian taxonomy <i>Bates JM, Reddy S</i>	Nest survival, predator assemblage, and patterns of predation at Veery (Catharus fuscescens) nests in a mature forest <i>Goguen CB, Murray LD</i>	Extinction debt and species credit in tropical forest bird communities: conservation implications for two biodiversity hotspots <i>Newmark WD</i>	Learning to join the information web <i>Magrath RD, Ratnayake C, Radford A, McLachlan J, Igic B, Potvin D</i>
14:30	Movement Patterns of Arctic-breeding Shorebirds during Post-breeding and Southbound Migration <i>Saalfeld ST, Lancot RB, Brown S, Lamarre J, McGuire R, Ruthrauff D, Elliot K, Latty C</i>	*Contrasting Demographic Responses of Eastern Bluebird Populations to Climatic Variability <i>Harrod SE, Rolland V</i>	Genoscapes & Species Limits - Lessons from the Last 5 years <i>Ruegg KC, Smith T, Bossu C, Rajbandary J</i>	*Viewing habitat through another lens: Bird nest-site selection and productivity across the beach thermal landscape <i>Schaale LE, Baxley JB, Pricope NG, Danner RM</i>	*Experimental forest fragmentation alters interaction networks of Amazonian mixed-species flocks <i>Rutt CL, Mokross K, Stouffer PC</i>	
14:45	Migratory Connectivity of a declining boreal shorebird, the Lesser Yellowlegs <i>Christie KS, McDuffie L, Johnson JA, Taylor A</i>	Climate warming reduces population growth and recruitment rates over 30 years in an Afrotropical bird community <i>Neate-Clegg MH, Stanley TR, Sekercioglu CH, Newmark WD</i>	The utility and significance of population genomic data in assessing avian species limits <i>Sorenson MD</i>	*Intraspecific variation and adaptive significance of a little-known life-history trait, laying interval length, along a latitudinal gradient <i>Lundblad CG, Conway CJ</i>	Forest management, habitat conservation and monitoring Northern Goshawks in Southeast Alaska <i>Titus K</i>	Sister, sister: song recognition and the role of early experience in sympatric Zonotrichia <i>Hudson EJ, Shizuka D</i>
15:00	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>	Climate, storm-petrels, and chick growth <i>Mauck RA, Huntington CE, Haussmann MF, Dearborn DC, Ricklefs RE</i>	The past and future of 'benchmark' systems for delimiting bird species <i>Tobias JA</i>	Macroevolutionary dynamics of egg colour and patterning <i>Sheard CE, Street SE, Troisi C, Clark A, Healy SD, Laland KN</i>	*Grassland bird response to spring cover crops in an agricultural landscape <i>Godar AJ, Annis A, Haukos D, Prendergast J</i>	Identifying Functional Roles in Mixed Species Groups <i>Vander Meiden LN, Shizuka D</i>
15:15	How can habitat degradation push extreme migrants over the edge? <i>Chan Y, Tibbitts TL, Hassell CJ, Peng H, Piersma T</i>	Using big data to assess the vulnerability of North American Birds to climate change <i>Bateman BL, Wilsey C, Taylor L, Wu J, Langham G</i>	Endless forms less beautiful: relevance of morphological analyses to integrative taxonomy of Asian Prinia species complexes <i>Rasmussen PC, Alstrom P, Olsson U</i>	*To kill a mockingbird: the combined effects of two radically different parasites <i>Herman JM, Fiorini VD, Crudele I, Reboreda JC, Pladas SA, Bush SE, Clayton DH</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>	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>
COFFEE BREAK						

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Wednesday, Late Afternoon Session

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Room	1	2	3	4	5	6
Ses- sion	Sym: Avian biology and the annual life cycle: shorebirds as models to understand dynamic boundaries (Gurney)	Climate	Sym: Species Limits in Birds: Integrative and Practical Considerations for Taxonomy (Winker & Rasmussen)	Abundance, occupancy, trends	Conservation	Sym: Social Dynamics in Interspecific Interactions (Shizuka)
16:00	Connectivity and staging site pollution effects in a long distance migratory shorebird <i>Morrissey CA, Bianchini K, McKellar A, Newstead D</i>	*Characterizing a century of species losses in an isolated tropical forest fragment <i>Curtis JR, Robinson WD, Rompré G, McCune B</i>	Australo-Papuan perspectives on unravelling tangled knots on branches of species trees? <i>Joseph LG</i>	eBird Status and Trends: Species Distributions and Population Trends with Citizen Science Data <i>Fink D, Auer T, Johnston A, Strimas-Mackey M, Illiff M, Robinson O, Petersen B, Kelling S</i>	*Fear of predators influences nestling condition across a suburbanization gradient <i>Grade AM, Warren PS, Lerman SB</i>	
16:15	*Traveling as a newbie: Migratory Strategies linked to Survivorship in Juvenile Shorebirds in Peru <i>Tavera EA, Lank DB, Drever MC, Gutierrez-Ruiz V</i>	Dominance in hummingbird communities: an alternative way to visually represent it <i>Ortiz-Pulido R</i>	Coalescent-based species delimitation in avian taxonomy: history, promise, and pitfalls <i>Mason NA, Fletcher NK, Gill B, Funk C, Zamudio K</i>	Combining BBS and PIF Population Data to Estimate Recent Changes in Illinois's Total Bird Population <i>Herkert JR</i>	*Testing the proposed IUCN Green List categories and criteria <i>Gupta G, McGowan P, Dunn J, Sanderson R</i>	Effects of non-breeding foraging on mixed-species flocking in Florida <i>Jones HH, Walters MJ, Robinson SK</i>
16:30	Within-individual advancement in Bar-tailed Godwit departure from New Zealand does not lead to earlier arrival in Alaska <i>Conklin JR, Lisovski S, Battley PF</i>	Plague management on prairie dog colonies maintains habitat for grassland passerines and raptors <i>Convey RY, Tripp DW, Youngberg EN, Panjabi AO</i>	The genomic revolution and species delimitation in birds: gene flow matters, but what about other evolutionary forces? <i>Cadena C</i>	Results from a decade of banding Yellow Rails in Oklahoma and Texas <i>Butler CJ</i>	Saving the Red Siskin (<i>Spinus cucullatus</i>): Managing new flock member introductions in captivity <i>Hill SK</i>	Fighting over food unites the birds of North America in a continental dominance hierarchy <i>Miller ET, Bonter DN, Eldermire C, Freeman BG, Greig EI, Harmon LJ, Lisle C, Hochachka WM</i>
16:45	Declines in Eastern Canada Piping Plovers: are overwintering grounds the key to conservation? <i>Gratto-Trevor CL, Rock J, Shaffer F</i>	*Behavioral niche partitioning reexamined: do behavioral foraging differences predict dietary differences? <i>Kent CM, Sherry TW</i>	An incomplete overview of determining avian species limits <i>Winker KS</i>	Population trends and habitat associations of conservation priority bird species in Iowa <i>Vanausdall RA, Dinsmore SJ, Kinkead KE, Frese PW</i>	*Conservation of tidal marsh sparrows in an urban setting referencing range wide nesting occurrence <i>Kocak AR, Elphick CS, Hodgman TP, Kovach AI, Olsen BJ, Ruskin KJ, Shriver G, Cohen JB</i>	Interspecific Aggression and The Evolution of Avian Mimicry in Woodpeckers <i>Leighton GM, Miller ET, Freeman BG, Lees AC, Ligon RA</i>
17:00	Linking demographic rates to population trends in six species of Arctic-breeding shorebirds <i>Weiser EL, Sandercock BK, Lancot RB, Brown SC, Arctic Shorebird Demographics Network NA</i>	Functional changes in assemblages of avian frugivores following extinction and invasion <i>Case SB, Tarwater CE</i>	Phylogenetic relationships within the Sharp-shinned Hawk complex with a focus on Caribbean populations <i>Catanach TA, Johnson JA, Thorstrom R, Halley MR, Palhano S, Weckstein JD</i>	Do drones bug songbirds? <i>Wilson AM, Boyle KS, Gilmore JL, Kiefer C</i>	Integrating genetic, population monitoring, and climate data to inform conservation of a declining migratory bird <i>Saracco JF, Ruegg KC, Harrigan RJ, Taylor CM, Rubenstein M</i>	Social dominance hierarchies among species and their consequences for behaviour, ecology and evolution <i>Martin PR</i>
17:15	Environmental drivers of annual survival and site fidelity of lekking Great Snipe in Norway <i>Sandercock BK, Saether SA, Kalas JA</i>	*Shifts in avian community composition across a human-modified landscape in Borneo, Malaysia <i>Hightower JN, Yusah KM, Fletcher RJ</i>	Phylogenomic analysis of species limits and hybridization in the Red-bellied/Golden-fronted Woodpecker clade (<i>Melanerpes</i>) <i>Miller MJ, Lavretsky P</i>	Risk Assessment of Great Lakes piping plovers using eABM: An R package to run Environment Agent-based Models <i>Edwards BP, Jacobs S, Gillis D</i>	Response of a southern California riparian bird community to habitat destruction by the invasive Kuroshio shot hole borer <i>Kus BE</i>	

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Ses- sion	Migration	Phylogenetics	Life history\Behavior	Sym: Understanding and addressing the collapse of the North American Avifauna (Marra)	Sym: Biodiversity mediated trade-offs in agroecosystems: When do birds help or hurt farmers? (Pejchar)	Sym: Conservation, and management of boreal birds in a changing climate: What do we expect, what have we observed, and what do we do about it? (Stralberg)
16:00	Satellite tracking a wide-ranging endangered vulture species to target conservation actions in the Middle East and East Africa <i>Buechley ER, McGrady MJ, Coban E, Sekercioglu CH</i>	Genomic and phenotypic divergence in Red Warblers (Cardellina rubra) <i>Tsai WL, White E, Maley JM, McCormack JE</i>	*Evolution of polygyny in weaverbirds (family Ploceidae) <i>De Silva TN, Fernando SW, Peterson A</i>	Pesticide exposure and effects on migratory songbirds: past and current threats <i>Morrissey CA, Eng M, Stutchbury B, Stanton R, Clark R</i>	Predation-mediated ecosystem services and disservices in agricultural landscapes <i>Smith HG, Tschumi M, Birkhofer K, Ekroos J, Hjort C</i>	Forecasting avian responses to climate-mediated increases in fire activity across the northwestern boreal forest <i>Matsuoka SM, Solyms P, Breen AL, Handel CM, Rupp TS, Mahon CL, Kurkowski TA</i>
16:15	Synthesis of migration ecology in the Gulf of Mexico guides species conservation <i>Deppe JL, Benson TJ, Bolus R, Buler J, Celis Murillo A, Diehl R, Feldman R, Knight E, Langham G, Mehlman D, Michel N, Moore F</i>	A Phylogenomic Tree of Screech-Owls: Elucidating the Evolution of Color Polymorphism and its Ecological Correlates <i>Kurtis SM, Owens HL, Oswald JA, Hosner PA, Guralnick R, Allen J, Ku M, Braun EL, Kimball RT</i>	*Patterns and causes of tropical montane life histories: an observational and experimental study in Malaysian Borneo <i>Mitchell AE, Martin TE</i>	Determining the role of human-caused bird mortality in the collapse of the North American avifauna <i>Loss SR</i>	Insectivorous birds foraging in temperate and tropical agricultural lands <i>Jedlicka JA</i>	Simulating the effects of climate change on fire regime & vegetation: implications for woodland boreal caribou & boreal landbird communities in the Northwest Territories <i>Hache SA, Micheletti T, Stralberg D, Cumming S, McIntire E, Tremblay J, Leblond M, Marchal J, Raymundo Sanchez A, van Telgen M</i>
16:30	Messy eaters: DNA on dirty talons and beaks reveal what a migrating raptor eats <i>Bourbour RP, Hull JM</i>	Phylogenomics of the Parrots of the World <i>Smith BT, Brumfield R, Ferreira M, Mauck W, Merwin J, Wright T, Joseph L</i>	*Quantifying trade-offs in migration and reproduction in long-distance migratory birds of contrasting life history <i>Cunningham SA, Schafer TL, Wikle CK, Ballard BM, VonBank JA, Weegman MD</i>	Limitations to predicting the future of climate-driven bird declines <i>Tingley MW</i>	Vertebrate control from raptors motivates farmers to install nest boxes, but is secondary poisoning a concern? <i>Martinico BL, Kross SM, Hull JM, Bourbour RP, Phillips EM, Hiroyasu E</i>	Conservation lessons from the study of boreal birds at their southern periphery <i>Ralston J, DeLuca WV</i>
16:45	Winter ecology and spring migration timing of Swainson's Thrush using forest and shade coffee plantations in Colombia <i>Hobson KA, Gonzalez Prieto AM, McElaney S, Bayly N</i>	Phylogenomics of pigeons and doves from whole genome sequencing <i>Johnson KP, Boyd BM, Nguyen N, Allen JM, Steadman DW, Waterhouse RM, Sweet AD, Clayton DH, Bush SE, Shapiro MD</i>	Timing is of the essence: later breeding predicts lower survival in American kestrels (Falco sparverius) <i>Callery KR, Smallwood JA, Eschenbauch AL, Luttmann ER, Heath JA</i>	Migratory Bird Policies: Changes, Threats and Opportunities for Action <i>Senner SE</i>	Foraging selectivity of insectivorous birds in Kenyan shade coffee systems <i>Kammerichs-Berke D, Johnson M, Bean T</i>	A Synthesis of Climate change impacts on boreal bird communities in managed landscapes of Canada <i>Tremblay JA, Cadieux P, Boulanger Y, Cyr D, Taylor AR, Price DT</i>
17:00	Population-Level Importance and Migratory Connectivity of a Shorebird Staging Site in the Midcontinental Flyway <i>Howell JE, McKellar AE, Espie RH, Bianchini K, Morrissey CA</i>	Wild Turkey speciation seen through full genomes <i>Vazquez-Miranda H, Zink RM</i>	*Loggers in artificial eggs reveal scarlet macaw incubation in natural and artificial nests <i>Woodman CJ</i>	Sorting through the ashes: a synthesis, roadmap and discussion for the conservation of the birds of North America <i>Marra PP, Rosenberg K</i>		Conservation planning for boreal birds in a changing climate: A framework for action <i>Stralberg D, Berteaux D, Drever M, Drever R, Naujokaitis-Lewis I, Schmiegelow F, Tremblay J</i>
17:15	Idiosyncratic changes in spring arrival dates of Pacific Northwest migratory birds <i>Robinson WD, Partipilo C, Hallman TA, Fairchild K, Fairchild J</i>	Molecular phylogeny of whistling ducks (Dendrocygninae) <i>Harshman J</i>	Application of a novel nest density estimator: an example using sagebrush-steppe songbirds <i>Reintsma KM, Berkeley LI, Dreitz VJ</i>			

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Room	7	8	9	10	11	12
Ses- sion	Molecular ecology	Sexual selection\Parental care	Lightning Talks	Sym: A bright future for birds: understanding the impacts of light pollution on avian wildlife (Kernbach)	Sym: Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves)	Sym: Migratory Connectivity of Alaskan Birds (Harrison)
10:30	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>	*Testing the Hotspot Hypothesis: Lesser Prairie-Chicken Lek Formation and Female Space Use <i>Aulicky CS, Haukos D</i>	Núñez-Rosas LE et al. Mexican Hummingbird Nesting Gillespie LM et al. Nest Defense in Eastern Bluebirds King KM et al. Social Polygyny in Eastern Bluebird	Circadian Rhythms, Melatonin and the Daily and Seasonal Control of Birdsong <i>Cassone VM, Harpole CE</i>	Why Do Bird Conservation and Ornithology Need Social Science? <i>Dayer AA</i>	One state, global connections: Insight from 100 years of bird banding in Alaska <i>Scarpignato AL, Harrison A, Marra PP</i>
10:45	Admixture mapping the genetic basis of species differences in avian hybrid zones <i>Brelsford AT, Nwankwo E, Myers B, Clark CJ, Kirschel A</i>	Direct effects of Brown-headed Cowbird (Molothrus ater) brood parasitism on the growth and development of grassland songbirds <i>Winnicki SK, Boyle WA</i>	Tagestad JT et al. Individual Variation in Subsistine Vocalizations Crook-Hill JR et al. Cross-species Auditory Stimuli and Responses Justyn NM et al. Coloration Mechanisms in Painted Bunting	Physiological and genetic mechanisms underlying organismal response to artificial light at night <i>Alaasam VJ, Zang Y, Niu Y, Ferguson B, Pieraut S, Seymoure B, Casagrande S, Ouyang JQ</i>	Revealing the migratory path and wintering areas of Olive-sided Flycatchers that breed in Alaska <i>Hagelin JC, Johnson JA, Hallworth MT</i>	
11:00	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>	Influence of both male and female attractiveness on reproductive success, offspring phenotype, and nestling sex ratio <i>Hubbard JK, Moranville GP</i>	Ulman SE et al. Molt Dynamics of Eiders Scott BF et al. Bill Divergence and Speciation in New World Jays Barry JL et al. Melanistic Pathways in Harlan's Hawk	Effects of Spectral Composition of Nighttime Lighting on Host Competence to West Nile Virus in a Passerine Reservoir <i>Kernbach ME, Cassone VM, Unnasch TR, Martin LB</i>	Building Social Science Capacity in the Bird Conservation Community: Nationwide Priorities and Practices <i>Scarl J, Barnes JC, VerCauteren T</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>
11:15	Asymmetric Gene Flow in an Understory Fijian Bird <i>Gyllenhaal EF, Mapel XM, Andersen MJ</i>	Frontline defenses against a purported mafia brood parasite <i>Peer BD, Page P</i>	Maley JM et al. Red-crowned x Lilac-crowned Hybridization Salter JF et al. Where did Cuban bobwhites come from? Hosner PA et al. Phylogeny and evolution of the Gallopheasants	Multiple reproductive costs due to light pollution: insights from manipulative experiments & continental-scale data synthesis <i>Francis CD, Senzaki M, Ferraro DM, Barber JR</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>	
11:30	Does range expansion or ongoing dispersal explain apparent panmixia in Bachman's Sparrow? A temporal study using museum DNA <i>Settlecowski AE, Faircloth BC, Brown JM, Cox JA, Tucker JW, Carpenter JP, Taylor SS</i>	Social versus genetic mating systems: the complex mating system of the lark bunting <i>Lyon BE, Chaine AS</i>	Vazquez Lopez AM et al. Phylogenomics of Euphoniinae Robles Bello SM et al. Genetic and Phenotypic Variation in Piranga bidentata et al.	*Light pollution is greatest within migration passage areas and is related to flight altitudes of nocturnal migrants <i>Cabrera-Cruz SA, Smolinsky JA, McCarthy KP, Buler JJ</i>	America's Wildlife Values: How values lead to challenges and opportunities for bird conservation <i>Dietsch AM</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>
11:45	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>		Seasonal associations with urban light pollution for nocturnally migrating bird populations <i>La Sorte FA</i>	Understanding underserved audiences to ensure ongoing long-term citizen science data collection for Project FeederWatch <i>Martin VY, Greig E, Bonter D</i>		
LUNCH BREAK						

*indicates student presenters eligible for AOS presentation award

Room	1	2	3	4	5	6
Ses-sion	Sym: Molecular ecology is for the birds: using molecular techniques to advance our understanding of avian ecology (Jusino)	Behavior	Dis-ease\Ecotoxicology	Songs\Vocalizations	Migration	Conservation
14:00	An ornithologist's toolkit for molecular community ecology Jusino MA	*Plasticity of aggressive behavior in Bachman's Sparrows Niederhauser JM, Ali S, Ziadi MP, Anderson RC	*Geographic variation in host immunogenetics and malarial parasite infection in a Catharus thrush species complex Starkloff NC, Sammons MA, Westerdahl H, Turner WC, Kirchman JJ	Partitioning of signal space in a breeding warbler community Sblendorio JM, Vonhof MJ, Gill SA	Quantifying passage population size and migration phenology of endangered rufa Red Knots staging in southwestern James Bay, Ontario, Canada MacDonald AJ, Smith PA, Friis CA, Lyons JE, Nol E	Captivity and the Gut Microbiota of 'Akikiki: Implications for Conservation of a Critically Endangered Hawaiian Honeycreeper Costantini MS, Crampton C, Masuda B, Reed F
14:15		*Exploratory Behavior in Brown-Headed Nuthatches may Indicate Successful Population Reintroduction Strategy Gray MM	Regional variation in the abundance of House Finches created the context that determined the impact of an emerging pathogen Hochachka WM, Dhondt AA	Examining the Effect of Helicopter Noise on Bird Assemblages in Hawai'i's Protected Natural Areas Gallardo Cruz KV, Paxton KL, Hart PJ	A comparison of spring and fall body condition and hematological parameters in two migratory songbirds Hatch MI, Smith RJ	Down in the weeds searching for answers to Wood Thrush fledgling and juvenile survival Hayes SM, Boyd B, Stutchbury B
14:30	Using molecular methods to identify fungi at woodpecker excavated cavities in western coniferous forests Lorenz TJ, Jusino MA, Schilling JS, Andrews E, Seveyka J, Fischer PC	Incubation Behavior of Trumpeter Swans Measured by Continuous Infrared Videography Delehanty DJ, Bush DA	Cross-ecosystem subsidies in Acadia National Park: How invertebrates can help us understand mercury exposure in songbirds Jackson AK, Frampton L, Garafalo M, Harris S, Nightingale B, Youre-Moses A	*Developmental experience may contribute to adult female preferences for male mating signals Strauss AV, Podos J	Annual variation in use of a spring stopover site by three migratory shorebirds Tucker AM, McGowan CP	Comparison of abundance and annual return rates of wintering Piping Plovers on natural and man-made beaches in the Mississippi Sound Darrah AJ
14:45	*The nidobiome as a framework to understand microbiome assembly Campos-Cerda F, Bohannan BJ	*Deep snow and dense cover influence habitat selection in a winter-adapted bird Shipley AA, Zuckerberg B	Assessing halogenated marine persistent organic pollutants in the critically endangered California condor and their marine mammal prey Stack ME, Hoh E, Dodder N, Tubbs C, Vilchis I, Felton R, Johnson J	Morphologically, genetically and vocally divergent Warbling Vireo subspecies exhibit indiscriminate aggression toward intruders in a new contact zone Spellman GM, Hammond A, Zhang T	What causes vagrancy in some New World warblers along the Pacific Coast? Ralph CJ, Wolfe JD	*Patterns of northern bobwhite juvenile survival on extensive prairies and mixed agricultural, grassland, and wooded landscapes in Missouri Sinnott EA, Thompson FR, Weegman MD, Thompson T
15:00	*Is there an association between communities of wood decay fungi and black-capped chickadee nest cavities? Gable CL, Lindsay AR, Jusino MA	*Stinky is sexy: the major histocompatibility complex, mate choice and personal odor in Leach's storm-petrels Jennings SL, Hoover BA, Sin Y, Nevitt GA, Edwards SV, Ebeler SE	The effects of climate, habitat, and diet on methylmercury bioavailability for New York songbirds Adams EM, Sauer AK, Lane O, Regan K, Evers DC	*What drives flexible signaling? Anthropogenic noise and social context affect male house wren vocal behavior Grabarczyk EE, Vonhof MJ, Gill SA	*Migratory bird use of stopover sites in Midwestern forests and urban habitats during spring and fall Outcalt JM, Buler JJ, Smolinsky JA, Dunning JB	Cumulative effects of forest harvesting, wildfires, and roads on Olive-sided Flycatcher habitat in British Columbia, Canada: Implications for Environmental Assessment processes Norris AR, De Groot K, Robinson A, Dohms KM, Thomas J, Lee A, Moore K, Martin K
15:15	Revealing unknown interactions: the role of Patagonian tapaculos (Rhinocryptidae) on the dispersal of endemic truffles Caiafa MV, Jusino MA, Díaz IA, Smith ME	*Dominance rank and sex predict social network position in winter social groups in a passerine bird Block TA, Shizuka D, Chaine A, Lyon BE	Are wetlands hotspots for bioaccumulation of mercury in songbirds? Brasso RL, Rittenhouse KA, Winder VL	Who is there? Response to different type of territorial intruders Sandoval L, Hamzaj T, Bonilla K, Gutierrez I	What can weather surveillance radar data tell us about stopover duration of migrating land birds? Buler JJ, Zenzal, Jr TJ, Moore FR, Calderín LN, Barrow, Jr W, Wilson B	Responses of State-Endangered Common Terns (Sterna hirundo) in Ohio to the Use of Artificial Nesting Platforms Kearns LJ, Shirkey B, Picciuto M, Crouser A, Scott E

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COFFEE BREAK

Thursday, Late Afternoon Session

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Room	1	2	3	4	5	6
Ses- sion	Sym: Molecular ecology is for the birds: using molecular techniques to advance our understanding of avian ecology (Jusino)	Behavior	Urban ecology	Morphology\Molt	Migration	Conservation
16:00	Detecting ecosystem services from insectivorous birds <i>Jedlicka JA</i>	Social network metrics predict future social status in male lance-tailed manakins <i>Beckman AK, Vanderbilt CC, DuVal EH</i>	*Urban habitat use by the an Endangered Hawaiian waterbird on O'ahu, Hawaii <i>Kawasaki MT, Hart PJ, Paxton EH</i>	Simultaneous rectrix molt and comparative molt ecology of eastern wood-warblers <i>Mumme RL, Mulvihill RS</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>	*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>
16:15	Using molecular techniques to study the diets and gut microbiota of migratory birds <i>Trevelline BK</i>	Effects of the Social Environment on Cloacal Microbiome Diversity <i>Houtz JL, Taff CC, Zimmer C, Vitousek MN</i>	Urbanization and elevated cholesterol in American crows <i>Townsend AK, Staab H, Barker CM</i>	Glare reduction properties of dark avian facial markings <i>Lebow CK, Burt DB</i>	Movement and Distribution of Red Knots (<i>Calidris canutus</i>) in the Southeastern U.S <i>Tuma ME, Powell AN</i>	*What factors influence nest survival of the endangered Yellow-headed Amazon? <i>Tarazona-Tubens FL, Britt CR, Abadi F, Desmond MJ</i>
16:30	Using box-nesting birds to explore methods in studying developmental immunity and gut microbiota <i>Knutie SA</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>	*Investigating the influence of polarized light and artificial night lighting on bird-building collisions <i>Lao S, Anderson AW, Blair RB, Eckles JW, Robertson BA, Turner RJ, Loss SR</i>	Evolution of molt-migration: a large-scale phylogenetic approach <i>Pageau C, Reudink MW</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>	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>
16:45	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>	Does object neophobia predict exploratory behavior in a free-living wild bird? <i>Tringali A, Prussing S, Sherer D, Windsor R, Bowman R</i>	Relationships between local- and landscape-scale management and urban bird communities across six major metropolitan areas: Do yards matter? <i>Narango DL, Lerman SB, Hall SJ, Hobbie SE, Neill C, Trammell TL, Groffman P</i>	Molt-migration in the Mexican Monsoon: 90 years of specimens reveal a phenological mismatch caused by anthropogenic climate change <i>Terrill RS, Tsai WL, Maley JM, Rohwer S, Pimm G, McCormack JE</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>	Landscape matrix and species traits mediate avian responses to forest fragmentation <i>Kennedy CM, Marra PP</i>
17:00	Assessing the relationship between multiple paternity and the cloacal microbiome in female tree swallows <i>Hernandez J, McGlothlin JW, Belden LK, Moore IT</i>	Timing of breeding in American coots: bet-hedging against nest predation when reproductive performance declines with season <i>Lyon BE</i>	The role of diet and nesting in bill shape diversification of frugivorous Asian barbets <i>Krishnan A, Souza N, Reddy S</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>	*Demographic consequences of road mortality to Snowy Plovers at Gulf Islands National Seashore, FL <i>Durkin MM, Cohen JB</i>	
17:15		Neighbor-stranger discrimination in a Neotropical suboscine bird: embracing behavioral complexity to uncover patterns <i>Kelley JP, Tarwater CE</i>	*Effects of habitat type on provisioning Florida Burrowing Owl space use and movements <i>Rose EH, Boughton RK</i>	Songbirds alter their use of bird feeders in response to vocalization playback <i>Barron DG, Sarna SD, Middleton RL</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>	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>

Thursday, Late Afternoon Session

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Room	7	8	9	10	11	12
Ses- sion	Ge- nomics/Systematics	Human dimensions/Policy	Sym: Undergrad Symposium	Sym: Lessons from avian hybrid zones and the maintenance of species boundaries (Aguillon)	Sym: Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves)	Sym: Cross-Pacific migration: how the impossible becomes commonplace (Ruthrauff)
16:00	Identifying and characterizing transposable element polymorphisms in the Northern Flicker (<i>Colaptes auratus</i>) species complex <i>Hruska JP, Manthey JD</i>	*Wedge-tailed Shearwater Persistence in Human-Dominated Areas <i>Idle JL, Friswold BM, Harmon KC, Price MR</i>	The Role of Song in Reproductive Isolation in Two Newly Overlapping White-crowned Sparrow (<i>Zonotrichia leucophrys</i>) Subspecies <i>Brooks WE, Winberger PH, Rouse ML</i>	Hybridization in Northern Flickers reveals loci associated with feather coloration <i>Aguillon SM, Lovette IJ</i>	*Aspects of municipalities associated with occupancy and abundance of Chimney Swifts in Illinois <i>Hurd ML, Benson TJ, Ward MP</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>
16:15	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>	If You Build It, They Will Come: Avian Utilization and Predation at a Large-Scale Photovoltaic Solar Facility <i>Griffiths JL, Meade DE, Dart JD</i>	*Development, not Bird Feeders, is Associated with Increased Occupancy of Northern Cardinals in Northern Michigan <i>Toner SM, Bonter DN</i>	Cardinals are red, buntings are blue; because they hybridize, they're interesting too! <i>Megna LC, Carling MD</i>	Cross-Cultural Considerations in Wildlife Management and Conservation <i>Leonetti CC</i>	Cross-seasonal interactions: the Pacific as the world's greatest theater of bird migration <i>Piersma T</i>
16:30	Phylogeny of the Hawaiian Thrushes (Myadestes) Based on UCE and Mitochondrial DNA Sequences <i>Fleischer RC, McInerney N, McIntosh CE, Sonsthagen S, Olson S, James H</i>	Engaging undergraduate students in an authentic course-based research experience using archived nest video footage <i>Stracey CM</i>	*Integrating machine learning and citizen science data to generate high-performing species distribution models for the globally vulnerable Gray Tinamou (<i>Tinamus tao</i>) <i>Wiebe RA</i>	Sex chromosome inversions may enforce reproductive isolation across an avian hybrid zone <i>Hooper DM, Griffith SC, Price TD</i>	Sustainability in Long-Term Collaborations: the Harvest Assessment Program of the Alaska Migratory Bird Co-Management Council <i>Naves LC, Fall J, Tulik C, Pederson M, Keating JM, Fischer J, Schwalenberg P</i>	
16:45	Reconciling the mitonuclear compatibility species concept with rampant mitochondrial introgression <i>Hill GE</i>	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>	*Modeling persistent effects of West Nile virus on avian population dynamics in the northeastern United States <i>Dupont GL, Bonter DN, Robinson OJ</i>	Genomic and morphological approaches to understanding speciation in Jamaican-endemic streamertail hummingbirds <i>Judy CD, Brumfield RT, Graves GR</i>	Banding Together to Learn and Preserve: 25 Years of Research in Cross-Cultural Western Alaska <i>Ely CR</i>	Closing summary: A synthesis and gap analysis of migratory connectivity knowledge available for Alaskan birds
17:00	The Common Yellowthroat genoscape- a genomic approach to delineating conservation units <i>Bossu CM, Rajbhandary J, Smith TB, Ruegg K</i>	Engaging with veterinarians to reduce cat overpopulation and cat impacts on wildlife populations <i>Sherwood LJ, Wilson AG, South CS, Roche SM, Luszcz TM</i>		Ancient and contemporary hybridization amongst wood warblers <i>Toews DP, Taylor SA, Streby H, Kramer G, Brennan C, Jones A, Lovette IJ</i>	Human Dimensions Applications in Shorebird Subsistence Harvest and Indigenous Knowledge in Alaska <i>Keating JM, Naves LC, Tibbitts TL, Ruthrauff DR</i>	
17:15	A genomic investigation of the potential despeciation of deeply divergent lineages in a Malagasy passerine <i>Perry NL, Block NL, Younger JL, Raheerilalao M, Goodman SM, Reddy S</i>	Evaluating bird feeders as tools to connect people with nature, and challenges associated with middle school interventions <i>Hammond RL, Theimer TC</i>		Assessing assortative mating in hybrid zones <i>Scordato ES</i>		

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Room	1	2	3	4	5	6
Ses- sion	Abundance, occupancy, trends	Sym: Long-term Studies of Cavity-nesting Birds: Windows into Environmental Change (Duckworth)	Evolution	Disease/Parasites	Conservation	Annual cycle
14:00	Population Trends and Connectivity of Snowy Plovers on the Southern Great Plains Heath KM, Conway WC, Boal CW, Collins DP, Beauchamp JS, Johnson WP, Hensley G, Saalfeld ST, Grisham BA	Insights into adaptation and population change from long-term studies of cavity nesting birds Duckworth RA	Skeletal distribution of medullary bone in Neornithes - implications for the identification of reproductive tissues in non-avian dinosaurs Canoville AR, Schweitzer MH, Zanno LE	Extensive in situ radiation of feather lice on tinamous Virrue ta Herrera S, Weckstein JD, Sweet AD, Allen JM, Walden KK, Johnson KP	Population genetics of a Beringian endemic, Rock Sandpiper Pruett CL, Winker K	Carry-over effects of breeding season habitat on a long-distance migrant Boyd BP, Stutchbury B, Hayes SM
14:15	Trends in Abundance and Habitat Associations of Forest Birds on Southern National Forests 1992-2017 Matseur EA, Bonnot TW, Thompson FR, Thorning MG	Long-term responses to environmental change across multiple scales in the great tit Sheldon BC	Replicated invasions reveal hotspots of natural selection in the European Starling Hofmeister NR, Rollins LA, Stuart K, Werner SJ, Lovette IJ, Clayton DF	Ecological drivers of backyard bird feeding and consequences for parasite transmission Hall RJ	How Do Seabirds See Light? Spectral Effects on the Temporal Sensitivity of Hawaiian Seabirds Moon HE, Anderson T, Travers M, Loew E, Porter M	Large-scale phenological dynamics of North American passerines Youngflesh CC, Socolar JB, Tingley MW
14:30	Long-term avifaunal change in undisturbed Amazonian rainforest: Pervasive declines and shifting baselines Stouffer PC, Rutt CL, Jirinec V, Midway SR		Testing for adaptive introgression across elevation in a rapid radiation, the South American siskins (Spinus) Beckman EJ, Witt CC	Role of food availability on a bird's response to a West Nile virus infection Owen JC, Dupuis AP, Landwerlen H, Kramer L	The Endangered Black-capped Vireo (Vireo atricapilla): Status after 30 Years of Recovery Management in Oklahoma, USA Grzybowski JA, McDonald DT	Alternate migration strategies mediate the effects of stochastic and predictable climatic changes on migratory birds Senner NR, Linscott JA, Rakhimberdiev E, Douglas DC
14:45	Estimating Hawaiian songbird population density using machine-learning produced annotations of automated acoustic recordings Weyenberg GS, Rumpungworm M, Howells L, Paxton KL, Crampton LH, Hart PJ	Long-term effects of environmental change on two cavity nesting passerines Bartlow AW, Wysner TE, Musgrave KS, Hathcock CD, Fair JM	The Indirect Effect of Flight Demands on Egg Shape in Migratory and Sedentary Fork-tailed Flycatchers (Tyrannus savana) Gómez-Bahamón VN, Chen ER, Tuero DT, Assis M, Marini MAC, Bates J	Haemosporidians show seasonal patterns but little host specificity within a chickadee hybrid zone Rice AA, Curry RL, Weckstein JD	Year-round monitoring reveals a unique seasonal pattern of bird-window collisions along the Pacific coast of North America De Groot KL, Porter AN, Norris AR, Huang AC	Breeding ground habitat loss is the primary driver of population declines for a long-distance migratory songbird Hallworth MT, Marra PP, Bayne E, Love OP, McKinnon E, Tremblay JA, Van Wilgenburg S, Drolet B, Ibarzabal J
15:00	Factors related to occupancy dynamics and breeding propensity of Northern Spotted Owls in a protected area: habitat, weather and Barred Owls Dugger KM, Mangan AO, Chestnut T, Vogeler JC, Breckheimer IK, King WM, Bagnall KE	Using nestboxes to understand if landscape influences American Kestrel reproduction and movements along an urban gradient in Northern Utah, USA Watson J, Oleyar D	Unidirectional introgression between Rhegmatorhina hoffmannsi and R. berlepschi in the Amazon Forest Del-Rio GC, Rego MA, Whitney BM, Schunck F, Silveira LF, Faircloth BC, Brumfield RT	Avian genomic bycatch facilitates the study of symbiont ecology and evolution Galen SC, Perkins S	The effects of habitat management and landscape context on northern bobwhite winter survival in southwest Missouri Mosloff AR, Weegman MD, Thompson III FR, Thompson T	Hatching date influences winter habitat quality: Examining seasonal interactions across the full annual cycle in prairie warblers Akresh ME, King DI, Marra PP
15:15	Applying an Ensemble of Small Models to Predict Breeding Distribution of Virginia's Warbler in South Dakota Goljani Amirkhiz R, Dixon MD, Palmer JS, Swanson DL	Connecting environment, stress coping capacity, and fitness: insights from a nest-box breeding population of Tree Swallows (Tachycineta bicolor) Vitousek MN	Bill size evolution in response to human-mediated ecological change in a tidal marsh songbird Benham PM, Bowie RC	Sialic Acid Quantity and Glycosidic Linkage on Avian Erythrocytes Fair JM, Jankowski M, Glaberman S, Kimball D, McCabe K	Mapping wetland habitat using remote sensing data for the critically endangered White-bellied Cinclos (Cinclodes palliatus) Gibbons RE, Otto M	Geolocators and stable isotopes reveal the migratory route and overwintering locations of an arctic-breeding passerine McFarland HR, Will A, Powell A
COFFEE BREAK						

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COFFEE BREAK

Friday, Late Afternoon Session

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Room	2	3	4	5	6
Ses- sion	Sym: Long-term Studies of Cavity-nesting Birds: Windows into Environmental Change (Duckworth)	Genomics	Manage- ment/Policy	Conservation	Migra- tion/Stopover
16:00	Long-term dynamics of tree-cavity-nesting communities in temperate and subtropical forests <i>Cockle KL, Norris AR, Wiebe KL, Trzcinski MK, Edworthy AB, Martin K</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>	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>	Site Fidelity and Pairing Behavior in a Wintering Population of American Kestrels in North Texas <i>Biles KS, Bednarz JC</i>	Examining shifted spring phenologies of seasonal avian migration: From Texas to Alaska <i>Horton KG, Sheldon D, Farnsworth A</i>
16:15		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>	The Interactive Effects of Fire and Recreation on Golden Eagles <i>Davis CM, Heath JA</i>	Life on the edge: density and demography of marsh wrens and seaside sparrows in northeastern Florida <i>Schwarzer AC, Cox WA</i>	Global trends in avian partial migration: a meta-analysis <i>Zavaleta ES</i>
16:30	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>	Comparative Genomic Structure within Alaskan galliforms <i>Sonsthagen SA, Wilson RE, Merizon RA, Talbot SL</i>	Duration of corvid response to forest restoration thinning: Implications for conservation of the threatened marbled murrelet <i>Hagar JC, Waianuhe LK</i>	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>	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>
16:45	Consequences of long-term habitat change and resource selection for population limitation in cavity-nesting birds <i>Martin TE</i>	Evolutionary genomics of the Brown Creeper <i>Manthey JD, Klicka J, Spellman GM</i>	Effective multi-scale governance for migratory shorebirds. Lessons from the EAAF and an Australian wetland site <i>Hamman EV</i>	Forest Area Required to Support Landbird Population Goals for the Mississippi Alluvial Valley <i>Twedt DJ, Mini A</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>
17:00		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>	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>		
17:15		Generating Indicator Species for Monitoring and Management for the Cockscomb Basin Wildlife Sanctuary, Belize <i>King DI, Jeffery M, Bailey BA</i>	Migratory bird twilight ascent and descent rates along the southwestern shoreline of Lake Erie <i>Wellik MJ, Kirsch EM, Sheildcastle M</i>		

Friday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

Room	7	8	9	10	11	12
Ses- sion	Sym: Seabirds on the edge of two worlds: ecology and conservation of Brachyramphus murrelets in marine and terrestrial environments (Rivers)	Sym: Translational ecology - producing actionable science (Saunders)	Sym: Wild birds and the One Health initiative: Dynamic boundaries affect the health of birds, livestock, humans, and the environment (Ramey)	Sym: The Future of Global Bird Trait Datasets: A Game-changing Resource for Macroecology, Macroevolution and Conservation Biology? (Tobias)	Sym: Counting unmarked birds – Matching appropriate sampling and modeling techniques with particular research questions (Latif)	Behavior
16:00	<p>Dispersal and marine habitat use during the breeding season by the Marbled Murrelet in Oregon</p> <p><i>Garcia-Heras M, Adrean LJ, Nelson SK, Roby DD, Betts MG, Rivers JW</i></p>	<p>Audubon's Vision: Restoring the Gulf of Mexico for birds and people</p> <p><i>Lankford KE</i></p>	<p>It's not just flowerpots and tires: Defining the impacts of West Nile virus on a woodland bird, Ruffed Grouse</p> <p><i>Williams LM, Brown JD, Nemeth NM, Hutchinson ML, Helwig MW, Kyle AD</i></p>	<p>Responses of bird and plant communities to global change: coupled or decoupled?</p> <p><i>Schleuning M</i></p>	<p>A general framework to integrate repeated count and mark-resight data</p> <p><i>Rushing CS, Hostetter NJ, Boettcher R, Lyons J</i></p>	<p>Testing the Social Intelligence Hypothesis in wild birds</p> <p><i>McCune KB, Jablonski P, Lee S, Ha RR</i></p>
16:15	<p>Distribution and Use of Freshwater Habitats by Kittlitz's Murrelets on Lakes in the Lower Wood River Lake System, Alaska</p> <p><i>Nesvacil KA, Pendleton G, Swaim M, Walsh P</i></p>	<p>Using Structured Decision Making to Connect Bird Monitoring to Restoration Decision-making</p> <p><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></p>		<p>Avian functional traits and the impacts of climate change on ecosystem function</p> <p><i>Pigot AL, Trisos C, Merow C, Tobias J</i></p>	<p>The potential of citizen science data for population monitoring</p> <p><i>Johnston AA, Strimas-Mackey ME, Hochachka WM, Robinson O, Ruiz Gutierrez V, Miller E, Auer MT, Fink D</i></p>	<p>Manipulated Sex Ratios Alter Group Structure and Cooperation in the Brown-headed Nuthatch</p> <p><i>Cox JA, Cusick JA, DuVal EH</i></p>
16:30	<p>Seasonal Offshore Distribution and Habitat Use of Brachyramphus Murrelets in Alaska</p> <p><i>Labunski EA, Kuletz K, Osas E</i></p>	<p>A strategic plan for monitoring birds in the Gulf of Mexico: translating stakeholder values into priorities</p> <p><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></p>	<p>Urban white ibises facing trade-offs in South Florida</p> <p><i>Welch CN, Hernandez SM, Murray M, Curry SE, Kidd A, Hepinstall-Cyerman J, Lankau E, Yabsley M, Navarra K, Cummings C, Lipp E, Altizer S</i></p>	<p>How trait data help improving avian biodiversity forecasts under global change</p> <p><i>Zurell D</i></p>	<p>Scaling up by integrating standardized and unstandardized, community science count data: a case study in the Upper Mississippi River</p> <p><i>Michel NL, Meehan TD, Saunders SP</i></p>	<p>Helpers mitigate negative effects of predation threat in the cooperatively breeding purple-backed fairy wren</p> <p><i>Meyer DK, Kinnebrew E, Pruett-Jones S, Johnson AE</i></p>
16:45	<p>Consistent post breeding movements of Marbled Murrelet from British Columbia to Alaska (2014-2016)</p> <p><i>Bertram DF, MacDonald CA, O'Hara PD, Cragg JL, Corcoran R, Greene R, Woo K</i></p>	<p>Golden-winged warbler conservation: Using science to take action</p> <p><i>Fowle MR, LaBarr MS, Barker SE</i></p>	<p>Lessons learned from research and surveillance directed at highly pathogenic influenza viruses in wild birds of North America</p> <p><i>Ramey AM, DeLiberto TJ, Berhane Y, Swayne DE, Stallknecht DE</i></p>	<p>The impacts of diversity and assembly history on community vulnerability</p> <p><i>Weeks BC, Tobias J</i></p>	<p>Designing a Bird Survey for Latin America: the PROALAS protocol in eBird</p> <p><i>Ruiz-Gutierrez VV, Lello-Smith A, Ortega Alvarez R</i></p>	<p>Investigating the role of avian vocalizations as 'magic traits' using on-bird sensors</p> <p><i>Tarango CA, Sillett TS, Gomez AJ, Fitzpatrick JW</i></p>
17:00	<p>Post-breeding migration of Kittlitz's Murrelets from the Gulf of Alaska to the Bering Sea and beyond</p> <p><i>Douglas DC, Piatt JF, Arimitsu ML, Madison EN, Kissling ML, Schoen SK</i></p>	<p>An Assessment of Ecological Value and Vulnerability in the Bering, Chukchi, and Beaufort Seas</p> <p><i>Smith MA, Goldman M, Knight E, Sullender B</i></p>				<p>AI seeking birds at night: an innovative method to monitor the position of nocturnal species using microphone arrays and robot audition HARK</p> <p><i>Matsubayashi SS, Saito F, Suzuki R, Nakadai K, Okuno HG</i></p>
17:15		<p>Synthesizing full annual cycle science and threats to drive conservation and policy actions for North American migratory birds</p> <p><i>Deppe JL, Auer T, Knight E, Langham G, Marra P, Mackenzie S, Rosenberg K, Smith M, Taylor L</i></p>				<p>A tale of two todies: understanding how vocalizations mediate behaviors in a sympatric zone</p> <p><i>Garrod HM, Curry R</i></p>