**WEDNESDAY, AUGUST 2 – MORNING SESSIONS**

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| **8:00** | **PLENARY SESSION - Wells 115: Welcome & Announcements, Plenary Address: Amanda Rodewald** | | | | | | | |
| **10:00** | Break | | | | | | | |
| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | **Brody 136** |
| **Session** | S1 #TheTweetingBird: Using science communication via social media to benefit your research and your career, Organizers:  Auriel Fournier, Jordan Rutter and Nicole Wood | G1: Migration and Movement I: Monitoring Migration  Chair: Amber Roth | G2: Urban Ecology 1  Chair: Kathryn Nichols | G3: Landscape ecology  Chair: Claire Curry | G4: Evolution I: Hybridization and Speciation  Chair: Valentina Gomez | S2: The Kirtland’s Warbler: Full Life-Cycle Findings and Application to Conservation, Organizers: Dave Ewert And Nathan Cooper | G5: Ecotoxicology  Chair: Kristin Bianchini | G6: Modeling  Chair: Elise Zipkin |
| **10:30** | Dudley S: Using social media to help drive your own research article’s Altmetric Attention Score | Roth A, Shieldcastle M., Mueller W, Lenz B, Koch K: MIDWEST MIGRATION NETWORK: COORDINATED REGIONAL RESEARCH FOR MIGRATING LANDBIRDS | Narango D \*, Tallamy D, Marra P: NON-NATIVE PLANTS REDUCE REPRODUCTIVE SUCCESS OF AN INSECTIVOROUS BIRD | Curry C, Ross J, Contina A, Bridge E: TESTING PREDICTION ACCURACY OF SPATIALLY EXPLICIT MODELS FOR GRASSLAND BIRDS | Weir J, Barrera-Guzman A, Shawkey M, Aleixo A: HYBRID SPECIATION RESULTS IN NOVEL MALE SECONDARY SEXUAL ORNAMENTATION IN AN AMAZONIAN MANAKIN | Botecci C: HISTORY OF THE KIRTLAND’S WARBLER: SUCCESSFUL CONSERVATION LEADS TO ANTICIPATED DELISTING | Armstrong B, Mittal K, Basu N, Henry P, Karouna-Renier N, Head J, Born K, Murphy C: MODELING AVIAN VITELLOGENESIS: LINKING SUBLETHAL EFFECTS OF 17β-TRENBOLONE TO ADVERSE REPRODUCTIVE OUTCOMES IN JAPANESE QUAIL | Van Wilgenburg S, Sólymos P, Kardynal K, Frey M: PAIRED SAMPLING STANDARDIZES POINT COUNT DATA FROM HUMANS AND ACOUSTIC RECORDERS |
| **10:45** | Rutter J: Using Social Media at Scientific Conferences, a case study of NAOC 2016 | Diehl R, Gauthreaux S Jr: MINING BIOLOGICAL DATA FROM WEATHER RADAR: WHERE GREAT POTENTIAL MEETS GREAT CHALLENGES | Bonderud E \*, Marini K, Burg T, Reudink M, Otter K: EFFECTS OF INDIVIDUAL CONDITION AND HABITAT URBANIZATION ON MOUNTAIN CHICKADEE REPRODUCTIVE BEHAVIOUR | Eichholz M: AREA SENSITIVITY OF BIRDS IN MIXED-GRASS PRAIRIES: DOES THE PARADIGM DIFFER BETWEEN FORESTS AND PRAIRIES? | Megna L, Carling M: PREDICTING REPRODUCTIVE ISOLATION ACROSS CARDINALIDAE | Hixson K \*, Roach M, Thompson F III, Brasso R: EFFECTS OF LEAD EXPOSURE ON SONGBIRDS BREEDING IN THE SOUTHEAST MISSOURI LEAD MINING DISTRICT | Zipkin E, Rossman S, Yackulic C: COMBINING UNMARKED DATA TYPES TO MODEL THE POPULATION DYNAMICS OF BREEDING BIRDS |
| **11:00** | Latimore J: Telling your story: tips for developing your scicomm strategy | Dokter A, Farnsworth A, Kelling S: ESTIMATING CONTINENT-WIDE PRODUCTIVITY AND SURVIVAL FROM MIGRATORY FLUXES DETECTED BY WEATHER RADAR | Rhodes E \*, Borden J, McCreadie J: DEATH BY STRIKE: CORRELATIONS WITH WINDOW STRIKE MORTALITY AND AGE IN AVIAN POPULATIONS | Chaudhary A, Gutzwiller K: DO CROSS-SCALE INTERACTIONS BETWEEN CLIMATE AND SOCIOECONOMIC FACTORS AFFECT THE PERSISTENCE OF AVIAN SPECIES? | Billerman S, Lovette I: INTROGRESSION ACROSS A TOWHEE HYBRID ZONE FROM THE GREAT PLAINS CHARACTERIZED WITH HISTORICAL DNA | Rockwell S, Wunderli JM Jr: WINTER RAINFALL CARRIES OVER TO AFFECT SPRING ARRIVAL DATES, REPRODUCTIVE SUCCESS, AND SURVIVAL IN THE ENDANGERED KIRTLAND’S WARBLER | Etterson M, Garber K, Odenkirchen E, Schumaker N: ASSESSING THE RISKS OF PESTICIDES TO BIRD POPULATIONS IN AGROECOSYSTEMS | Gibson D, Riecke T, Keyes T, Depkin C, Catlin D: A BAYESIAN ROBUST DESIGN JOLLY-SEBER MODEL: ASSESSING THE IMPACTS OF HURRICANE MATTHEW ON AMERICAN OYSTERCATCHERS |
| **11:15** | McBride A: The art of science communication | Cabrera-Cruz S, Smolinsky J, Buler J: ARE FLIGHT ALTITUDES OF NOCTURNALLY MIGRATING BIRDS INFLUENCED BY LIGHT POLLUTION? | Barton C, Riding C, Loss S: BIRD COLLISIONS AT GLASS BUS SHELTERS IN AN URBAN LANDSCAPE: MAGNITUDE AND CORRELATES | Gilbert N \*, Ferguson P: THE ECOLOGICAL DISTURBANCE ASSOCIATED WITH EXURBAN DEVELOPMENT DOES NOT CREATE HABITAT FOR MOST SHRUBLAND BIRDS | Walsh J, Kovach A, Shriver G, Olsen B, Lovette I: GENOME-WIDE PATTERNS OF INTROGRESSION IN SALTMARSH AND NELSON’S SPARROWS | Mensing C, Cooper N: THE HISTORY AND FUTURE OF BROWN-HEADED COWBIRD CONTROL AND THE IMPACT ON KIRTLAND'S WARBLER SURVIVAL. | Rittenhouse K \*, Brasso R: MERCURY (HG) EXPOSURE IN INSECTIVOROUS SONGBIRDS AND INVERTEBRATES IN A WETLAND COMMUNITY IN SOUTHEAST MISSOURI | Sierdsema H: THE NEW EUROPEAN BREEDING BIRD ATLAS: FIRST RESULTS OF 50X50 KM OCCURRENCE AND 10X10 KM MODELED DISTRIBUTION MAPS |
| **11:30** | Fournier A: #MORails #MOScience: tweeting live from the field | Gesicki D, Bingman V: TOPOGRAPHICAL INFLUENCES ON MIGRATORY ORIENTATION ALONG THE SOUTHWEST COAST OF LAKE ERIE | Riding C \*, Loss S: ESTIMATION OF SCAVENGER REMOVAL AND OBSERVER DETECTION BIASES IN SURVEYS FOR WINDOW-KILLED BIRDS | Proppe D, Bingle A, Pontius M, DeRuiter S: LANDSCAPE SCALE IMPACTS OF NOISE ON SONGBIRD ABUNDANCE AND PRODUCTIVITY | Porter C, Benkman C: WHY IS SYMPATRIC SPECIATION RARE IN BIRDS? | Huber P, Kintigh K: WINTERING DISTRIBUTION, MIGRATION ROUTES, AND MIGRATORY CONNECTIVITY IN THE KIRTLAND'S WARBLER | Bianchini K \*, Newstead D, Morrissey C: EFFECTS OF OIL CONTAMINANT EXPOSURE ON PRE-MIGRATORY FUELLING IN TWO SHOREBIRD SPECIES | Pruett S, Davis R, Dugger K, Jenkins J, Lesmeister D, Sovern S: USING LIDAR DATA AND A BAYESIAN FRAMEWORK TO MODEL NORTHERN SPOTTED OWL NEST SITE SELECTION |
| **11:45** | Wood N: Interactive scicomm engagement with live streaming apps | Stanley C \*, Hallager S, Marra P: CUEING IN ON MIGRATION: FOOD MODIFIES SPRING MIGRATORY BEHAVIOR IN A CAPTIVE POPULATION OF WOOD THRUSH | Nichols K \*: BUILDING AND LANDSCAPE FEATURES AFFECTING BIRD-BUILDING COLLISIONS IN AN URBAN HABITAT | n/a | Gomez V, Miyaki C, Restrepo S, Jahn A, Cadena C: SPECIATION BY LOSS OF MIGRATION IN THE PARTIALLY MIGRATORY FORK-TAILED FLYCATCHER (TYRANNUS SAVANA)? | Cooper N, Hallworth M, Marra P: WINTERING DISTRIBUTION, MIGRATION ROUTES, AND MIGRATORY CONNECTIVITY IN THE KIRTLAND'S WARBLER | n/a | Sussman A \*, Zipkin E, Gardner B, Adams E, Salas L, Kenow K, Luukkonen D, Monfils M, Mueller W, Williams K, Leduc-Lapierre M: COMPARING APPROACHES TO IDENTIFY WATERBIRD HOTSPOTS |

**WEDNESDAY, AUGUST 2 – EARLY AFTERNOON SESSIONS**

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| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | **Brody 136** |
| **Session** | S3: Birds of Different Feathers: Increasing Diversity in Ornithology, Organizers: Nancy Chen, Scott Taylor, Nandadevi Cortes-Rodriguez, Sara Kaiser and Kevin Omland | G7: Migration and Movement II: Staging  Chair: Jessica Howell | G8: Urban Ecology II  Chair: Luis Sandoval | G9: Parental Care  Chair: David Westneat | G10: Evolution II: Insights from morphology  Chair: Sushma Reddy | S2: The Kirtland’s Warbler: Full life-cycle findings and application to conservation, Organizers: Dave Ewert and Nathan Cooper |  | |
| **1:30** | Omland K, et al: AOS DIVERSITY AND INCLUSION: ATTRACTING AND RETAINING A BROADER RANGE OF ORNITHOLOGISTS FOR THE 21ST CENTURY | Althouse M, et al.: HOW DOES RECREATIONAL DISTURBANCE AFFECT ACTIVITY BUDGETS OF STAGING TERNS IN CAPE COD, MASSACHUSETTS? | McCabe J, Bernal J, Yin H, Radeloff V, Pigeon A, Zuckerberg B, Bonter D: THE RECENT COLONIZATION OF URBAN HABITATS BY A FOREST BIRD | Utley O, Moldoff D, Westneat D: HUNGRY HUNGRY HOUSE SPARROWS: COMMUNICATING HUNGER IN PASSER DOMESTICUS | Miller C \*, Latimer C, Zuckerberg B: BIOGEOGRAPHY OVER TIME: HOW CLIMATE CHANGE INFLUENCES NORTHERN CARDINAL BILL SIZE | Wunderli JM, Jr, Ewert DN, White JD, Currie D, Rockwell SM, Lebow PK: DISTRIBUTION, ECOLOGY, AND SURVIVAL OF KIRTLAND’S WARBLERS ON THE WINTERING GROUNDS |  |  |
| **1:45** | Siggal R: FISH AND WILDLIFE SERVICE DIVERSITY AND INCLUSION INITIATIVES | Davis K, et al.: BEHAVIOR AND DEMOGRAPHY OF HY ROSEATE TERNS AT A MAJOR TOURIST DESTINATION DURING THE PRE-MIGRATORY STAGING PERIOD | Zuckerberg B, McCabe J, Pidgeon A, Radeloff V, Bonter D: ETHOLOGY MEETS CITIZEN SCIENCE: ANTIPREDATOR BEHAVIOR OF BIRDS TO ACCIPITER HAWKS IN URBAN ENVIRONMENTS | Westneat D, Mutzel A, Bonner S, Wright J, Mathot K: DO PARENT BIRDS ENGAGE IN VARIANCE SENSITIVE FORAGING WHEN FACED WITH ELEVATED BROOD DEMAND? | Davis K, Reichard D: SONG SPARROWS: AS TEMPERATURE DECREASES BODY SIZE INCREASES, ALWAYS? | Ribic C, Donner D, Bocetti C: VIABILITY OF KIRTLAND’S WARBLER UNDER CHANGING MANAGEMENT CONDITIONS |  |  |
| **2:00** | Welch C: IMPROVING UNDERGRADUATE DIVERSITY AND TRAINING OF FUTURE ORNITHOLOGISTS | Heller E, Karpanty S, Fraser J, Ritter S: ASSESSING THE EFFECTS OF CLIMATE-DRIVEN SHIFTS IN PREY ON RED KNOTS USING VIRGINIA STOPOVER HABITAT | Chilton G, Chilton L: COMMUNAL NOCTURNAL ROOSTING BEHAVIOUR OF PIED WAGTAILS (MOTACILLA ALBA YARRELLI) MAY SERVE NO FUNCTION | Tarvin K, Murphy T: HE’S A LOVER UNLESS SHE’S A FIGHTER: MALE PARENTAL EFFORT REFLECTS FEMALE STATUS AND ORNAMENTATION | James H, Tokita M, Yano W, Abzhanov A: PATTERNS OF DIVERSIFICATION IN CRANIAL SHAPE IN THE HAWAIIAN HONEYCREEPERS AND DARWIN’S FINCHES | Donner D, Ribic CA, Brown DJ, Wolcott DM, Bocetti C, Greco T, Nelson M: KIRTLAND’S WARBLER SUMMER AND WINTER HABITAT CHANGES IN RESPONSE TO FUTURE CLIMATE CONDITION SCENARIOS |  |  |
| **2:15** | Goldberg D: APPROACHES TO DIVERSIFYING THE FACULTY | Lyons J, Baker A, González P, Aubry Y: MIGRATION ECOLOGY AND STOPOVER POPULATION SIZE OF RED KNOTS AT MINGAN ARCHIPELAGO AFTER EXITING THE BREEDING GROUNDS | Wituszynski D, Hayford D, Nelson A, Martin J: CHARACTERIZATION OF AN URBAN AVIAN COMMUNITY USING AUTOMATIC DETECTION OF CALLS IN ACOUSTIC RECORDINGS | Kahn Z, Tremain-Douglas S, Kovach K: DOES DUETTING BEHAVIOUR PREDICT PARENTAL INVESTMENT? A TEST OF THE SIGNALLING COMMITMENT HYPOTHESIS | Falk A, Lamsdell J: ANALYSIS OF MODERN AND FOSSIL AVIAN HINDLIMBS SUGGESTS ADVANCED ORNITHURINE BIRDS IN THE EARLY CRETACEOUS | Ewert D, Ertel A, Kintigh K: CONSERVATION OF THE KIRTLAND'S WARBLER: FUTURE CONSIDERATIONS |  |  |
| **2:30** | Break-out session - Chen, Cortes-Rodriguez, Kaiser and Taylor | Howell J \*, Morrissey C, McKellar A: CLEARED FOR TAKE-OFF? SHOREBIRD MIGRATORY DECISIONS AND BEHAVIOR IN FLIGHT AT A STOPOVER SITE | Loss S, Marra P: A GLOBAL REVIEW OF DOMESTIC CAT IMPACTS ON MAINLAND BIRD POPULATIONS | Newhouse D, Barcelo-Serra M, Gosner R, Tuttle E, Balakrishnan C: TRANSCRIPTOMIC IMPACTS OF PARENTAL CARE IN WHITE-THROATED SPARROW (ZONOTRICHIA ALBICOLLIS) NESTLINGS | Reddy S, Bonfitto M, Akthar S, Gracias N, Helms T, Novak Z, Patel G, Patel R, Savaliya R, Souza N: CHARACTERIZING PHENOTYPIC DIVERSITY OF THE MALAGASY VANGAS USING MORPHOMETRICS AND UNDERGRADUATE RESEARCHERS | n/a |  |  |
| **2:45** | Kelley J, Major H, Wilson J: ESTIMATING MIGRATING POPULATIONS OF SCOTER AND LOON SPECIES THROUGH THE BAY OF FUNDY | Sandoval L, Villarreal M, Barrantes G: SHIFT IN FREQUENCY TO MINIMIZE ACOUSTIC MASKING BY ANTHROPEGENETIC NOISE AFFECTS SONG TRANSMISSION | n/a | n/a | n/a |  |  |

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| **Brody 134-138** |
| **3:30**  **Plenary Address: Society of Canadian Ornithologists/Société des Ornithologistes du Canada Early Career Researcher Award** |
| **4:00**  **Early Professionals Mini-talk Symposium**  Organizers: Sara Kaiser, Chris Tonra, Emma Grieg and Scott Taylor  Moderator: Chris Tonra |
| Introduction: Sara Kaiser, Chris Tonra, Emma Grieg and Scott Taylor  Kristen Covino  Allison Johnson  Michael Hallworth  Erica Stuber  Rachel Sturge  Auriel Fournier  Christine Madliger  Natalie Wright  Sarah Hird  Nicholas Mason  Special Guest (closing remarks/reflections)  Sara Kaiser (Early Professional Social) |

**Notes:**

**THURSDAY, AUGUST 3 – MORNING SESSIONS**

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| **8:00** | **PLENARY SESSION – Wells 115: Welcome & Announcements, Plenary Address: Erin Bayne** | | | | | | | |
| **10:00** | Break | | | | | | | |
| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | **Brody 136** |
| **Session** | S4: Best tools for studies of small landbird movements in the golden age of bio-logging, Organizer: Emily McKinnon | G11: Behavior I  Chair: Dai Shizuka | G12: Conservation I: Species-based Approaches  Chair: Estelle Sandhaus | G13: Technology Advances in Monitoring  Chair: Jackie Augustine | G14: Evolution III: Genomics  Chair: Geoff Hill | S5: Agriculture, ecosystem services, and avian conservation, Organizer: Catherine Lindell | G15: Disease and Microbial Ecology  Chair: Andrea Townsend | G16: Ecology  Chair: Laurie Hall |
| **10:30** | McKinnon E, Love OP: TEN YEARS OF TRACKING LANDBIRDS WITH MINIATURE GEOLOCATORS: WHAT HAVE WE LEARNED AND WHERE DO WE GO FROM HERE? | Enbody E \*, Boersma J, et al: DEGREE OF FEMALE ORNAMENTATION IS ASSOCIATED WITH AGGRESSION AND CIRCULATING ANDROGENS IN A TROPICAL PASSERINE BIRD | Matseur E \*, Millspaugh J, Thompson F III, Dickerson B: POPULATION ESTIMATE FOR BLACK-BACKED WOODPECKERS IN THE BLACK HILLS OF SOUTH DAKOTA AND WYOMING | Rivers J, Adrean L, Pickett M, Taggart B, Nelson S, Roby D, Betts M: TESTING WHETHER UNMANNED AERIAL VEHICLES CAN BE USED TO LOCATE CRYPTIC NESTS OF THE MARBLED MURRELET | Manthey J, Boissinot S: GENOMIC ANALYSIS OF A TRANSPOSABLE ELEMENT EXPLOSION IN WOODPECKERS AND ALLIES (AVES: PICIFORMES) | Jedlicka J: METHODOLOGIES TO DETECT AVIAN-INDUCED ECOSYSTEM SERVICES | Staley M, Hill G, Josefson C, Armbruster J, Bonneaud C: INSIGHTS INTO THE FACTORS LIMITING DISEASE EMERGENCE IN A NATURAL HOST-PATHOGEN SYSTEM | Wiley A, Ostrom P, James H, Rossman S, Walker W, Zipkin E, Chikaraishi Y: OCEANIC SEABIRD REVEALS BROAD-SCALE TROPHIC SHIFT IN THE NORTH PACIFIC |
| **10:45** | Studds C, Marra PP: EXPERIMENTAL FOOD MANIPULATION ALTER THE SPRING MIGRATION SCHEDULE OF A LONG-DISTANCE MIGRATORY BIRD | Geary B \*, Walter S, Leberg P, Karubian J: INDIVIDUAL-LEVEL VARIATION IN BROWN PELICAN (PELECANUS OCCIDENTALIS) FORAGING BEHAVIORS IN THE GULF OF MEXICO | Saunders S, Cuthbert F, Zipkin E: EVALUATING PIPING PLOVER POPULATION VIABILITY AND CONSERVATION EFFICACY USING INTEGRATED POPULATION MODELS | Strydhorst K, Scholten C, Proppe D: USING DRONES AND THERMAL SENSORS TO LOCATE NESTS OF GRASSLAND SONGBIRDS | Houde P, Narula N, Braun E, Mirarab S: ANALYSIS OF INSERTION/DELETION MUTATIONS IN 48 GENOMES PROVIDES PERSPECTIVES ON AVIAN DEMOGRAPHICS IN DEEP TIME | Garfinkel M, Whelan C: CAN BIRDS PROVIDE ECOSYSTEM SERVICES IN NORTH AMERICAN INDUSTRIAL AGRICULTURE? | Townsend A, Taff C, Wheeler S, Hinton M, Boyce W, Reisen W, Barker C, Jones M: LOVE IN THE TIME OF EMERGING INFECTIOUS DISEASE: INBREEDING, URBANIZATION, AND WEST NILE VIRUS IN CROWS | Adams E, Gardner B, Kenow K, Luukkonen D, Monfils M, Mueller B, Williams K: NONBREEDING ABUNDANCE OF GREAT LAKES WATERBIRDS: INTEGRATING AERIAL SURVEY DATA ACROSS MULTIPLE PROTOCOLS |
| **11:00** | Crewe T, Deacon J, Morbey Y, Taylor P: QUANTIFYING MIGRATORY BEHAVIOUR USING THE MOTUS AUTOMATED RADIO-TELEMETRY ARRAY: OPPORTUNITIES AND CHALLENGES | Ribic C, Ng C, Koper N, Ellison K, Pietz P: DIEL FLEDGING PATTERNS IN GRASSLAND BIRDS | McNeil D, Rodewald A, Johnson K, Larkin J: MONITORING REVEALS SUCCESSFUL MANAGEMENT OF PRIVATE- AND PUBLIC FORESTLANDS FOR NESTING GOLDEN-WINGED WARBLERS | Bird D, Brisson-Curadeau E, Elliott K, Tremblay J, Desrochers A, Pace P, Aubry Y: RECENT ADVANCES IN THE USE OF DRONES TO COUNT SEABIRDS AND TRACK SONGBIRDS | Braun E, Kimball R: CAN WE EFFECTIVELY ESTIMATE ANCESTRAL EFFECTIVE POPULATION SIZES? A CASE STUDY IN GALLIFORMES | Gonthier D, Sciligo A, Karp D, Lu A, Garcia K, Juarez G, Chiba T, Kremen C: MANAGING THE SERVICES AND DISSERVICES OF BIRDS IN CALIFORNIA FARMLANDS | Dolinski A, Owen J: VARIATION IN SA-α2,3-GAL IS LINKED TO VARIATION OF AVIAN INFLUENZA VIRAL SHEDDING IN MALLARD DUCKS | Hall L, De La Cruz S, Smith L, Krause J: EFFECTS OF WATER QUALITY AND DEPTH ON MACROINVERTEBRATE BIOMASS AND SHOREBIRD ABUNDANCE IN A MANAGED WETLAND |
| **11:15** | Perlut N: NON-STOP TRANSOCEANIC FLIGHTS BY BOBOLINKS DURING MIGRATION | Pandit M, Richardson D, Perryman D, Grindstaff J: EXAMINING THE EXISTENCE AND MAINTENANCE OF BEHAVIORAL SYNDROMES IN EASTERN BLUEBIRDS (SIALIA SIALIS) | Bennett R \*, Rodewald A, Rosenberg K: FEMALE-DOMINATED NONBREEDING SITES ARE LOW QUALITY FOR MALE BUT NOT FEMALE GOLDEN-WINGED WARBLERS | Bailey J \*, Otter K, Reudink M, Paetkau M, LaZerte S: USING RADIO FREQUENCY IDENTIFICATION (RFID) TECHNOLOGY TO INVESTIGATE GAP CROSSING DECISIONS IN BLACK-CAPPED CHICKADEES | Campagna L, Repenning M, Silveira L: REPEATED DIVERGENT SELECTION ON PIGMENTATION GENES IN A RAPID FINCH RADIATION | Shave M, Schwiff S, Elser J, Lindell C: NEST BOXES BENEFIT A DECLINING RAPTOR AND ECOSYSTEM SERVICES IN A FRUIT-GROWING REGION | Hird S, Boyce W: AVIAN INFLUENZA AND THE CLOACAL MICROBIOME OF WILD AVIAN HOSTS | Wells E \*, Ballard B, Oldenburger S, Collins D, Brandt D, Pearse A, Perotto-Baldivieso H: SELECTION OF ROOSTING HABITAT BY WINTERING SANDHILL CRANES ALONG THE TEXAS GULF COAST |
| **11:30** | Gomez C \*, Bayly NJ, Norris R, Mackenzie SA, Rosenberg KV, Taylor PD, Hobson KA, Cadena CD: FUEL LOADS ACQUIRED AT A STOPOVER SITE INFLUENCE THE PACE OF INTERCONTINENTAL MIGRATION IN A BOREAL SONGBIRD | Arellano C \*, Mata-Betancourt A, Berg K: INFLUENCE OF EARLY SOCIAL COMPLEXITY ON SIBLING NETWORKS AND LATER COGNITIVE DEVELOPMENT IN A WILD PARROT POPULATION | Herkert J: A LONG-TERM STUDY OF POPULATION PERSISTENCE IN HENSLOW’S SPARROWS | Augustine J: USING ROBOTS TO CONDUCT BEHAVIORAL RESEARCH: A CASE STUDY OF SPECIES RECOGNITION IN PRAIRIE-CHICKENS | Callaway J, Bai Y, Stuart G, Tuttle E, Gonser R: UNDERSTANDING THE EVOLUTION OF A POLYMORPHIC SUPERGENE BY GENOMIC COMPARISON TO A RELATED SPECIES | Sekercioglu C, Mendenhall C, Oviedo Brenes F, Hornes JJ, Ehrlich PR, Daily GC: CONSERVING FOREST BIRD POPULATIONS AND THEIR SERVICES IN TROPICAL AGRICULTURAL COUNTRYSIDE | Fair J, Jankowski M, Glaberman S: SIALIC ACID IN AVIAN BLOOD: IMPLICATIONS FOR DISEASE HOST RANGE | Grinde A, Niemi G: SPATIO-TEMPORAL DYNAMICS OF WOOD WARBLERS |
| **11:45** | Fraser KM, Lam L: PHENOTYPIC PLASTICITY IN SPRING MIGRATION BEHAVIOUR THROUGH REVERSE MIGRATION IN A TRANS-HEMISPHERIC MIGRATORY SONGBIRD | Shizuka D, Chaine A, Lyon B: BADGES OF STATUS IN THE CONTEXT OF SOCIAL NETWORKS | Sandhaus E, Brandt J: 10 YEARS OF CALIFORNIA CONDOR NEST MANAGEMENT IN SOUTHERN CALIFORNIA | n/a | Hill G: THE MITONUCLEAR COMPATIBILITY SPECIES CONCEPT | Lindell C, Eaton R, Roels S, Shave M: ENHANCING AGRICULTURAL LANDSCAPES TO INCREASE CROP PEST REDUCTION BY BIRDS | n/a | n/a |

**THURSDAY, AUGUST 3 – EARLY AFTERNOON SESSIONS**

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| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | | **Brody 136** |
| **Session** | S4: Best tools for studies of small landbird movements in the golden age of bio-logging, Organizer: Emily McKinnon | G17: Behavior II  Chair: Gavin Leighton | G18: Conservation II: Community-based approaches  Chair: Paulson Des Brisay | G19: Phylogeography and Systematics I  Chair: Jane Younger | G20: Climate Change I  Chair: Brooke Bateman | S6: Advances in estimating patterns of bird abundance and distributions at relevant spatial and temporal scales, Organizers: Viviana Ruiz-Guiterrez, John Sauer and Steve Kelling | G21: Avian Parasites  Chair: Therese Catanach | G22: Life histories  Chair: Michael Murphy | |
| **1:30** | Hayes S, Boyd B, Stutchbury BJM: FOREST FRAGMENTATION EFFECTS ON SURVIVORSHIP, DISPERSAL AND AUTUMN MIGRATION ON-SET IN JUVENILE WOOD THRUSH | Kelly J \*, Ward M: CONSPECIFIC AND HETEROSPECIFIC RESPONSES TO PERCEIVED DENSITY FOR BREEDING HABITAT SELECTION | Wohner P, Stanek J: SONGBIRD INDICATORS FOR RIPARIAN RESTORATION SUCCESS ON THE SOUTH FORK KERN RIVER | Arnaiz-Villena A, Muñiz E, Palacio-Gruber J, Campos C, Tejedor B, Martin-Villa M, Ruiz-del-Valle V: STRIKING CONVERGENT PHENOTYPE EVOLUTION IN AN AFRICAN CANARY (ORIOLE FINCH) AND A CARIBBEAN SISKIN (ANTILLEAN SISKIN) | Bateman B, Michel N, Dale K, Slavin Z, LeBaron G, Rowden J, Wilsey C, Taylor L, Langham G: UNCOVERING THE EFFECTS OF CLIMATE CHANGE ON U.S. BIRD SPECIES WITH AUDUBON’S CLIMATE WATCH PROGRAM | Ruiz-Gutierrez V, Sauer J:  MONITORING ABUNDANCE AND DISTRIBUTION ACROSS SPACE AND TIME: ADVANCES IN APPROACHES AND METHODOLOGIES FOR MONITORING BIRD POPULATIONS | Catanach T, Johnson K, Marks B, Moyle R, Weckstein J: KINGFISHER FEATHER LICE EXHIBIT DIFFERING DEGREES OF COSPECIATION WITH THEIR HOSTS | | Salzman T, McLaughlin A, Westneat D, Crowley P: MODELING LINKS BETWEEN AVIAN BEHAVIOR AND METABOLISM HIGHLIGHTS INTRICACIES OF PACE-OF-LIFE SYNDROME |
| **1:45** | Raybuck D, et al: GEOLOCATORS ON 9-10 G BIRDS: ARE THERE BREEDING OR ANNUAL FITNESS EFFECTS ON CERULEAN AND GOLDEN-WINGED WARBLERS? | Brown L, McCarty J, Wolfenbarger L: SITE OCCUPANCY AND BEHAVIOR OF MIGRATORY SHOREBIRDS IN AGRICULTURE FIELDS IN THE RAINWATER BASIN, NE | Reitsma L, Lambert J, Martin M: DECLINE OF A DISTURBANCE-DEPENDENT SPECIES ON PRESERVED LAND | McCullough J \*, Mauck W III, Moyle R, Smith B, Andersen M: SYSTEMATICS AND BIOGEOGRAPHY OF THE PANTROPICAL AVIAN ORDER CORACIIFORMES | Tremblay J, Boulanger Y, Cyr D, Taylor A, Price D: SCENARIOS FOR BICKNELL’S THRUSH (CATHARUS BICKNELLI) RECOVERY IN A CLIMATE-CHANGE CONTEXT | Sweet A, Johnson K: UNTANGLING THE EVOLUTIONARY HISTORY BETWEEN NEW WORLD GROUND-DOVES AND THEIR PARASITIC LICE | | Murphy M: THE GEOGRAPHICAL ECOLOGY OF CLUTCH SIZE IN THE EASTERN KINGBIRD |
| **2:00** | Stanley C, Ryder TB, Shriver GW, Marra PM: USING ARCHIVAL GPS TAGS TO DETERMINE THE ECOLOGICAL DRIVERS OF MOVEMENTS ACROSS THE ANNUAL CYCLE | Myers B, Burns K, Clark C: PHENOTYPIC DATA REVEAL AN ALLEN’S (SELASPHORUS SASIN) X RUFOUS (SELASPHORUS RUFUS) HUMMINGBIRD HYBRID ZONE | Des Brisay P \*, Leonard M, Koper N: CORTICOSTERONE IS NOT A CONSISTENT PREDICTOR OF RESPONSE TO DISTURBANCE IN THREE GRASSLAND SONGBIRDS | Tsai W, Bonaccorso E, Schwab E, Scott B, Zellmer A, Maley J, Cohn-Haft M, Navarro-Sigüenza A, Peterson A, McCormack J: PHYLOGENETIC RELATIONSHIPS OF NEW WORLD JAYS USING ULTRACONSERVED ELEMENTS | Napoli M, Long E, Huth P: DETERMINING LOCAL EFFECTS OF CLIMATE CHANGE ON MIGRATING SONGBIRDS THROUGH THE USE OF A LONG-TERM PHENOLOGICAL DATASET | Kelling S, Fink C: THE NEED FOR EXPLORATORY AND CONFIRMATORY ANALYSES OF BIRD POPULATIONS | Matthews A \*, Klimov P, Proctor H, Dowling A, Diener L, Hager S, Larkin J, Raybuck D, Fiss C, McNeil D, Boves T: ASSESSING COEVOLUTION BETWEEN FEATHER MITES AND WARBLER HOSTS | | Garcia V, et al.: THE ROLE OF HELPERS AND TERRITORY QUALITY IN MITIGATING REPRODUCTIVE SENESCENCE IN THREE SPECIES OF COOPERATIVELY BREEDING BIRDS |
| **2:15** | Wells J: TRACKING AS A TOOL FOR CONSERVATION OF BOREAL LANDBIRDS - UNRAVELING MYSTERIES TO ENSURE THE FUTURE OF A BILLION BIRDS | Cummins G \*, Paxton E, Theimer T: EVOLUTION OF RESPONSE TO NEST PREDATORS IN PASSERINES | Ehnes M \*, Foote J, Dech J, Meating J: SEASONAL CHANGES IN SONGBIRD DETECTION IN URBAN FORESTS: IMPLICATIONS FOR STUDIES OF EMERALD ASH BORER INVASION DYNAMICS | Salter J, Hosner P, Braun E, Kimball R, Faircloth B: SLOW MARKERS AND FAST BIRDS: A SUBSPECIFIC PHYLOGENY OF THE NEW WORLD QUAIL USING THOUSANDS OF UCE LOCI | Smith L \*, Wails C, Major H: SEA SURFACE TEMPERATURE AS A FACTOR IN THE REPRODUCTIVE FAILURE OF CRESTED AUKLETS ON GARELOI ISLAND IN 2015 | Pulgarin P \*, et al.: HOST SPECIES, AND NOT ENVIRONMENT, PREDICTS VARIATION IN PARASITE PREVALENCE, DISTRIBUTION, AND DIVERSITY ALONG A HUMIDITY GRADIENT IN NORTHERN SOUTH AMERICA | | Krauss N \*, Webster M, Sillett S, Schwabl H: PREDATOR INDUCED MATERNAL EFFECTS |
| **2:30** | Roberto-Charron A \*, Fraser K: COMPARING GEOLOCATOR-DERIVED ESTIMATES OF LOCATIONS FOR A SWALLOW, A WARBLER, A SPARROW, AND A THRUSH: WHICH R PACKAGE TO USE? | Williams S, Lindell C: A CONTEXT-SPECIFIC VOCALIZATION SERVES AS A MECHANISM OF INTERSPECIFIC COHESION IN AMAZONIAN MIXED-SPECIES FLOCKS | Ruhl P \*, Dunning J Jr, Kellner K, Riegel J, Swihart R: MULTI-SCALE BIRD COMMUNITY RESPONSE TO FOREST MANAGEMENT IN THE CENTRAL HARDWOOD REGION | Kurtis S, Kimball R, Bates J: MOLECULAR DATA SUGGESTS ADMIXTURE BETWEEN SPECIES OF THE AFRICAN MAINLAND PARADISE FLYCATCHERS | Lindsay A, Kaplan J: SIGNATURES OF CLIMATE CHANGE IN 30 YEARS OF LOON MIGRATION AT WHITEFISH POINT BIRD OBSERVATORY | Sauer J, Link WA, Zimmerman GS, Otto MC: NORTH AMERICAN BREEDING BIRD SURVEY: MODEL INFERENCES FROM A COMPLEX SURVEY. | n/a | | Crouch C, Brennan L, Benson R, Grahmann E, Hernández F, Kelly J: SURVIVAL, SITE FIDELITY, AND TERRITORY SIZE OF AMERICAN KESTRELS WINTERING IN SOUTH TEXAS |
| **2:45** | n/a | Leighton G, Lees A, Miller E: THE HAIRY-DOWNY GAME REVISITED: AN EMPIRICAL TEST OF THE INTERSPECIFIC SOCIAL DOMINANCE MIMICRY HYPOTHESIS | Trewin K \*, Rowe K, Mulder R: USING AUTOMATED BIOACOUSTIC TECHNIQUES TO IMPROVE THE MONITORING OF AUSTRALIAN PARROTS | Younger J, Strozier L, Kyriazis C, Maddox D, Goodman S, Raherilalao M, Reddy S: HIDDEN DIVERSITY IN THE VANGAS OF MADAGASCAR | Wu J, Wilsey C, Schuurman G, Taylor L: PROJECTED EFFECTS OF CLIMATE CHANGE ON AVIAN COMMUNITIES IN US NATIONAL PARKS | n/a | | Woodworth B, Norris R, Mennill D: YEAR-ROUND CLIMATE AND LOCAL WEATHER EFFECTS ON ANNUAL SURVIVAL OF A RESIDENT NEOTROPICAL SONGBIRD |

**THURSDAY, AUGUST 3 – LATE AFTERNOON SESSIONS**

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| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | **Brody 136** |
| **Session** | S4: Best tools for studies of small landbird movements in the golden age of bio-logging, Organizer: Emily McKinnon | G23: Lightning Session I: Population and Community Ecology  Chair: Katie Stumpf (See below for presentation titles) | G24: Population Dynamics I Chair: Robert Cooper | G25: Phylogeography and Systematics II  Chair: Matthew Miller | G26: Climate Change II Chair: Emily Sinnott | S6: Advances in estimating patterns of bird abundance and distributions at relevant spatial and temporal scales, Organizers: Viviana Ruiz-Guiterrez, John Sauer and Steve Kelling | G27: Physiology and Biomechanics  Chair: Ryan O’Connor | G28: Migration and Movement III: Dispersal and Movement  Chair: Elisa Elizondo |
| **3:30** | Bowlin M, et al.: RELATIONSHIP BETWEEN WINGBEAT FREQUENCY AND ALTITUDE CHANGE IN MIGRATING SWAINSON’S THRUSHES (*CATHARUS USTULATUS*) | 3:30  Session introduction | Cooper R, et al.: EXPLAINING POPULATION DECLINES IN COOL-ADAPTED SPECIES IN THE SOUTHERN APPALACHIANS: MORE QUESTIONS THAN ANSWERS | Balakrishnan C, Lansverk A, Clayton D, London S, Griffith S: BEHAVIORAL AND GENETIC CONSEQUENCES OF DOMESTICATION IN THE ZEBRA FINCH | Sinnott E, O'Connell T: VARIABLE PRECIPITATION LEADS TO DYNAMIC WESTERN RANGE LIMITS OF EASTERN FOREST SONGBIRDS AT THE FOREST-PRAIRIE ECOTONE | Saracco J, Ahrestani F, Sauer JR, Royle JA, Pardieck K: AN INTEGRATED POPULATION MODEL FOR MULTI-SCALE INFERENCES ABOUT POPULATION DYNAMICS OF NORTH AMERICAN LANDBIRDS | Shipley A, Zuckerberg B, Sheriff M, Pauli J: SNOW BURROWING BEHAVIOR MEDIATES TEMPERATURE-INDUCED STRESS IN A GALLINACEOUS BIRD | Aguillon S, Fitzpatrick J, Bowman R, Schoech S, Clark A, Coop G, Chen N: USING PEDIGREES AND GENOMICS TO UNDERSTAND THE CONSEQUENCES OF LIMITED DISPERSAL |
| 3:35  Clark J, Luther D, Chesser T. |
| 3:40  Atkinson E, O'Meara P, O’Meara J. |
| **3:45** | Mitchell G, et al.: CRYPTIC BROAD-SCALE MOVEMENTS TO NOCTURNAL WETLAND ROOST SITES BY BREEDING BANK SWALLOWS: AN AUTOMATED TELEMETRY STUDY | 3:45  Stumpf K | Wheelwright N, Taylor L, Woodworth B, Sandercock B: DEMOGRAPHIC COLLAPSE OF AN ISLAND TREE SWALLOW (TACHYCINETA BICOLOR) POPULATION | Contina A, Ruegg K, Bay R, Kelly J, Bridge E: GENOMICS OF THE PAINTED BUNTING: ADAPTIVE GENETIC VARIATION ACROSS POPULATIONS | MacLean S \*, Beissinger S, de Valpine P, Rios Dominguez A: CENTURY-SCALE BIRD RESURVEYS REVEAL COMPLEX INFLUENCES OF CLIMATE AND LAND-USE CHANGE ON SPECIES AND COMMUNITIES | O'Connor R \*, Brigham M, McKechnie A: DIURNAL BODY TEMPERATURE PATTERNS IN FREE-RANGING POPULATIONS OF TWO SOUTHERN AFRICAN ARID-ZONE NIGHTJARS | Swanson D: EMIGRATION TOWARD THE RANGE CENTER: THE ABUNDANT CENTER HYPOTHESIS IN GRAY CATBIRDS |
| 3:50  Eggleston R, Pimm S. |
| 3:55  Hill J, Lloyd J. |
| **4:00** | McPherson M \*, Jahn A: HOW SEASONALITY IN NORTHERN VS SOUTHERN HEMISPHERES AFFECTS DISTRIBUTIONS OF DIFFERENT TYPES OF MIGRANTS | 4:00  Jenkins J, Thompson F, King D, Dellinger T, Wood P, Streby H, Hache S. | Norris R, Woodworth B, Wheelwright N, Newman A: LOCAL DENSITY REGULATES MIGRATORY SONGBIRD REPRODUCTIVE SUCCESS THROUGH EFFECTS ON DOUBLE-BROODING AND NEST PREDATION | Rasmussen P, Alström P, Sangster G, Dalvi S, Round P, Zhang R, Yao C, Irestedt M, Le Manh H, Lei F, Olsson U: SYMPATRY, GENETICS, AND SONG INDICATE MULTIPLE SPECIES IN THE BROWN PRINIA P. POLYCHROA COMPLEX | Iknayan K \*, Beissinger S: Making the transition: COMPARING AVIAN BIOGEOGRAPHIC RESPONSES TO CLIMATE CHANGE ACROSS BIOMES | Auer T, Fink D, Hochachka WM, Kelling S: ESTIMATING AVIAN ABUNDANCE WITH EBIRD AND EXPLORING CROSS-SCALE FULL ANNUAL CYCLES WITH BIRDVIS | Ospina E \*, Benson T, Merrill L: INCUBATION TEMPERATURE IMPACTS GROWTH, PHYSIOLOGY, AND SURVIVAL IN NESTLINGS OF AN OPEN-CUP NESTING PASSERINE | Dunn E: RED-BREASTED NUTHATCH IRRUPTIONS IN EASTERN NORTH AMERICA: INSIGHTS FROM CITIZEN SCIENCE |
| 4:05  Meehan T, Harvey L, Michel N, Wilsey C, Langham G, Weinstein A. |
| 4:10  Questions and answers |
| **4:15** | Phillips L, McIntyre C, Gow W, Weidensaul S, Stenhouse I, Critical connections: USING GEOLOCATORS TO INVESTIGATE THE MIGRATION ECOLOGY OF ALASKA'S BREEDING BIRDS | Dugger K, Ainley D, Ballard G, Lyver P, Barton K: BREEDING PROPENSITY & AGE-AT-1ST REPRODUCTION OF ADÉLIE PENGUINS IN A MULTI-COLONY META-POPULATION | Cooper J: PHYLOGEOGRAPHIC INSIGHTS INTO THE SUBSPECIFIC DIVERSITY OF CINNYRIS REICHENOWI | Behl N \*, Benkman C: HOW MANY ARE THERE AND WHERE DO YOU FIND CASSIA CROSSBILLS (LOXIA SINESCIURUS)? | Johnston A, Fink D, Hochachka WM, Kelling S: ESTIMATES OF OBSERVER EXPERTISE IMPROVE SPECIES DISTRIBUTIONS FROM CITIZEN SCIENCE DATA | Sirman A \*, Kucera A, Vangorder-Braid J, Heidinger B: GROWING UP AND GROWING OLD: IS IGF-1 A MEDIATOR OF GROWTH AND AGING IN BIRDS? | Gow E, et al.: LATITUDINAL VARIATION AND SIMILARITY IN THE RANGE WIDE TIMING OF THE ANNUAL CYCLE OF TREE SWALLOWS FROM 12 BREEDING POPULATIONS |
| **4:30** | Discussion | n/a | Ross B, Hooten M, Koons D: EVALUATING THE INFERENCE FROM DYNAMIC OCCUPANCY MODELS RELATIVE TO POPULATION ABUNDANCE | Kyriazis C, Alam B, Wjodyla M, Hosner P, Hackett S, Mays H, Heaney L, Reddy S: COLONIZATION AND DIVERSIFICATION OF THE WHITE-BROWED SHORTWING (AVES: MUSCICAPIDAE: BRACHYPTERYX MONTANA) IN THE PHILIPPINES | Stouffer P, Jirinec V, Rutt C, Hernández A: DO RAINFALL TRENDS DRIVE LONG-TERM DECLINES IN TERRESTRIAL INSECTIVORES WITHIN UNDISTURBED AMAZONIAN RAINFOREST? | Robinson O, Fink D, Ruiz-Gutierrez V: USING EBIRD DATA TO ESTIMATE YEAR-ROUND DISTRIBUTIONS AND HABITAT ASSOCIATIONS OF TRICOLORED BLACKBIRD (AGELAIUS TRICOLOR). | Wright N, Witt C, Tobalske B: BIOMECHANICS OF TAKE-OFF IN ISLAND BIRDS | Evans D \*, Mitchell G, Falconer M, Tozer D, Cadman M: ADULT AND JUVENILE BANK SWALLOWS (RIPARIA RIPARIA) SHOW DIFFERENTIAL POST-FLEDGING MOVEMENTS AND DEPARTURE FOR AUTUMN MIGRATION |
| **4:45** |  | n/a | n/a | Miller M, Garzon J, Aguilar C, Buitrago-Rosas D, De León L, Loaiza J, McMillan W, Winker K: COMBINING MORPHOLOGY AND GENOMICS TO DISCOVER SPECIES LIMITS IN PANAMANIAN OCHRE-BELLIED FLYCATCHERS | DuBay S \*, Fuldner C: BIRD SPECIMENS TRACK 135 YEARS OF ATMOSPHERIC SOOT AND ENVIRONMENTAL POLICY | Pacifici K, Reich BJ, Miller DA, Gardner B, Stauffer G, Singh S, McKerrow A, Collazo JA: INTEGRATING MULTIPLE DATA SOURCES IN SPECIES DISTRIBUTION MODELING: A FRAMEWORK FOR DATA FUSION | n/a | Elizondo E \*, Collier B: AMERICAN WOODCOCK (SCOLOPAX MINOR) MOVEMENT ECOLOGY IN LOUISIANA, USA |

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| **Kellogg 105AB** | |
| **G23: Lightning Session I: Population and Community Ecology**  Chair: Katie Stumpf | |
| **3:30** | Session Introduction – Katie Stumpf |
| **3:35** | Clark J, Luther D, Chesser T: Community structure and animal behavior are shaped by anthropogenic noise in a grassland bird community |
| **3:40** | Atkinson E, O'Meara P, O’Meara J: Proactive siting of a planned wind turbine installation in response to an eagle occurrence spatial model |
| **3:45** | Stumpf K: Understanding the impact of predation on nest success using motion-triggered cameras |
| **3:50** | Eggleston R, Pimm S: Estimating avian diversity in western Waorani territory using indigenous habitat designations |
| **3:55** | Hill J, Lloyd J: A fine-scale U.S. population estimate of a montane spruce-fir bird species of conservation concern |
| **4:00** | Jenkins J, Thompson F, King D, Dellinger T, Wood P, Streby H, Hache S: Postfledging survival of wood thrush and ovenbirds: incorporating climate and landscape features |
| **4:05** | Meehan T, Harvey L, Michel N, Wilsey C, Langham G, Weinstein A: A stage-base matrix population model for exploring black oystercatcher population dynamics |
| **4:10** | Question and answers |

**Notes:**

**FRIDAY, AUGUST 4 – MORNING SESSIONS**

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| **8:00** | **PLENARY SESSION – Wells 115: Welcome & Announcements, Plenary address: American Ornithological Society Early Career Award Winners** | | | | | | | |
| **10:00** | Break | | | | | | | |
| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | **Brody 136** |
| **Session** | S7: Elaina M. Tuttle and the Curious Case of the White-throated Sparrow: A Memorial Symposium, Organizer: Rusty Gonser | G29: Migration and Movement IV: Pathways and Stopovers  Chair: Kyle Horton | G30: Undergraduate Symposium I  Chair: Melissa Bowlin | G31: Conservation III: Conservation Genetics Chair: Samantha Hauser | G32: Mating systems and sexual selection  Chair: Misha Blizard | S8: Trait divergence and speciation: Tempo, mode, and mechanism, Organizers: Jay McEntee and Ben Winger | G33: Brood Parasitism Chair: Matthew Louder | G34: Birds and Agriculture Chair: Nicole Michel |
| **10:30** | Ketterson E: Elaina M. Tuttle: the sparrow whisperer | Horton K \*, Van Doren B, La Sorte F, Fink D, Farnsworth A, Kelly J: THE MIGRANT TURNSTILE, QUANTIFYING 21 YEARS OF MIGRATION THROUGH THE GULF OF MEXICO | Eggleston K, Schultz E, Reichard D: BROCCOLI OR CANDY: WHAT SHOULD I FEED MY CAPTIVE BIRD? | Hauser S \*, Leberg P: UNDERSTANDING LANDSCAPE VARIABLES THAT INFLUENCE GENE FLOW IN A HIGHLY VAGILE SPECIES, THE BLACK-CAPPED VIREO (VIREO ATRICAPILLA) | Blizard M, Pruett-Jones S: PATERNITY AND REPRODUCTIVE SUCCESS IN A POLYANDROUS SHOREBIRD (ACTITIS MACULARIUS) | McEntee J, Winger B, Tobias J, Sheard C, Burleigh JG: MACROEVOLUTIONARY AND POPULATION GENOMIC PERSPECTIVES ON TRAIT DIVERGENCE DURING SPECIATION IN BIRDS | Abernathy V \*, Troscianko J, Langmore N: EGG MIMICRY OF ONE BROOD PARASITE HOST FACILITATES EXPLOITATION OF NEW HOSTS WITH SIMILAR EGG TYPES | Smith O, Kennedy C, Owen J, Snyder W: AVIAN COMMUNITY STRUCTURE IN WEST COAST ORGANIC AGROECOSYSTEMS |
| **10:45** | Mackentley N, Neri C: OWLS OF WHITEFISH POINT | Siddique A \*, Augustine J: A COMPARISON OF BIRD DIGESTIVE SYSTEMS BY DIET | Gamboa M, Sillett T, Funk W, Morrison S, Ghalambor C: USING KNOWLEDGE OF LOCAL ADAPTATION TO CLIMATE TO INFORM REINTRODUCTION IN THE FACE OF CLIMATE CHANGE | Gould G, Augustine J: NOT ANOTHER DRAB GROUSE – MATE CHOICE AND THE ROLE OF COLOR IN THE LESSER PRAIRIE-CHICKEN | Luro A, Hauber M: A FORAGING ECOLOGY HYPOTHESIS FOR THE EVOLUTION OF EGG REJECTION IN BROOD PARASITE HOSTS | Michel N, Burkhalter C, Wilsey C, Trusty B, Langham G: THE BIRD-FRIENDLINESS INDEX: A NOVEL METRIC FOR QUANTIFYING THE SUCCESS OF CONSERVATION PROGRAMS |
| **11:00** | Houtman A: The curious case of the White-throated Sparrow | Clipp H \*, Schreckengost T, Smolinsky J, Moore F, Buler J: CHANGES IN STOPOVER SITE FUNCTION FROM FALL TO SPRING FOR MIGRATING LANDBIRDS ALONG THE GULF OF MEXICO | Hempfling S \*, Augustine J: THE EFFECT OF DIET ON AVIAN CECUM SIZE AND INTESTINAL ABSORBENCY RATE | Funk E \*, Burns K: EVOLUTIONARY DISTINCTIVENESS AND CONSERVATION PRIORITIES IN A LARGE RADIATION OF NEW WORLD BIRDS (EMBERIZOIDEA) | McCoy D, Shultz A, van der Heide E, Trauger S, Vidoudez C: RED VELVET AND NEON YELLOW: VIVID COLOR FROM PIGMENT AND STRUCTURE IN THE RAMPHOCELUS TANAGERS | Kenyon H \*, Martin PR: WHY DO THE COLOR PATTERNS OF BIRD SPECIES DIFFER WHEN THEY LIVE TOGETHER? | Louder M, Hauber M, Brewer M, Spottiswoode C, Sorenson M, Balakrishnan C: GENOMIC MECHANISMS FOR CONVERGENCE IN THE RECURRENT EVOLUTION OF BROOD PARASITISM | Kline L \*, Andreoni J, Truelove A, Santiago A, Klipa W, Williams-Guillén K: BIRD CONSERVATION AND CATTLE PRODUCTION: IMPROVING THE MATRIX THROUGH SILVOPASTURE |
| **11:15** | Covino K, Moore F: MIGRATORY STOPOVER BIOLOGY IS NOT RELATED TO CIRCULATING TESTOSTERONE LEVELS | Butler M, Whelan R, Garvin M: INTERACTIONS BETWEEN MOSQUITOES AND BIRDS: ROLE OF VOLATILE COMPONENTS OF PREEN GLAND SECRETIONS | Wold J \*, Ritchie P, Chambers G, Robertson C, McKenzie K: USING GENETIC MARKERS TO DETERMINE THE PROVENANCE OF THE NEW ZEALAND BULLER'S ALBATROSS (THALASSARCHE BULLERI SSP.) | Michael N, Torres R, Welch A, Bonillas-Monge M, López-Márquez L, Martínez-Flores A, Felis J, Adams J, Wiley A: YOU ARE “WHERE” YOU EAT: SPATIAL FORAGING PATTERNS REFLECTED IN A SEABIRD’S ORNAMENT | Mason N \*, Burns KJ, Tobias JA, Claramunt A, Seddon N, Derryberry E: SONG EVOLUTION, VOCAL LEARNING, AND SPECIATION IN PASSERINE BIRDS | Merrill L, Chiavacci S, Paitz R, Benson T: MATERNAL EFFECTS IN THE COWBIRD: HOST PREFERENCES AND PATTERNS OF EGG RESOURCE ALLOCATION ACROSS THE LANDSCAPE | Reiley B, Benson TJ: UNDERSTANDING HABITAT SELECTION AND REPRODUCTIVE CONSEQUENCES IN AGRICULTURALLY FRAGMENTED LANDSCAPES: THE IMPORTANCE OF SPATIAL SCALE |
| **11:30** | Forrette L, Grunst AS, Grunst ML, Korody M, Tuttle EM, Gonser RA: Extra-pair mating and the strength of sexual selection: Insights from a polymorphic species | n/a | n/a | Harkness B \*, Robertson G: AN ASSESSMENT OF POPULATION GENOMIC STRUCTURE IN BLACK GUILLEMOTS | Reichard D, Kimmitt A, Welklin J, Ketterson E: SONGBIRD COURTSHIP TACTICS: PAIRED AND UNPAIRED MALES DIFFER IN BEHAVIOR, MORPHOLOGY, AND HORMONES | Derryberry E, Lipshultz S, Overcast I, Hickerson M, Brumfield R: CULTURAL, GENETIC, AND BEHAVIORAL DIVERGENCE COINCIDE IN AN AVIAN HYBRID ZONE | Igl L, Buhl D: CHANGES IN ADULT SEX RATIOS OF THE BROWN-HEADED COWBIRD IN GRASSLANDS IN THE NORTHERN GREAT PLAINS. | van Vliet H \*, Stutchbury B, Newman A: THE EFFECTS OF AGRICULTURAL INTENSIFICATION ON SAVANNAH SPARROWS IN SOUTHERN ONTARIO |
| **11:45** | Barcelo-Serra M, Gonser RA, Tuttle EM: Personality types in the polymorphic White-throated Sparrow (Zonotrichia albicollis) | n/a | n/a | n/a | n/a | Weir J: BIRD SONG, SPECIES DISCRIMINATION AND THE PACE OF SPECIATION IN TROPICAL VERSUS TEMPERATE LATITUDES | Verheijen B, Sandercock B: COULD SELECTING NEST SITES TO AVOID BROOD PARASITISM LEAD TO LOW FLEDGLING SURVIVAL IN DICKCISSELS? | Kusack J \*, Evans D, Mitchell G, Cadman M, Hobson K: THE EFFECT OF AGRICULTURAL INTENSITY ON THE DIET OF BARN SWALLOW (HIRUNDO RUSTICA) NESTLINGS |

**FRIDAY, AUGUST 4 – EARLY AFTERNOON SESSIONS**

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| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | **Brody 136** |
| **Session** | S9: Mechanisms Underlying Avian Response to Energy Development, Organizer: Lindsey Sanders | G35: Lightning Session II: Evolution, Systematics and Behavior  Chair: Erin Grabarczyk (See below for presentation titles) | G36: Undergraduate Symposium II  Chair: Melissa Bowlin | G37: Conservation IV: Global Concerns  Chair: Darren Proppe | G38: Annual Cycles  Chair: TBD | S10: From fungi to fledglings: cavity-nesting bird ecology and conservation across North America, Organizers: Amy Barry and James Rivers | G39: Habitat Selection I  Chair: Dave Luukonen | G40: Restoration Ecology  Chair: Steve Roels |
| **1:30** | Koper N, Bernath-Plaisted J, Nenniger H, Ng C, Warrington M: EFFECTS OF OIL AND GAS INFRASTRUCTURE ON ABUNDANCE, PRODUCTIVITY AND BEHAVIOR OF GRASSLAND SONGBIRDS | 1:30  Session introduction | Hills T, Pigage J, Ketsdever A: CHARACTERISTICS OF CANADA GOOSE FLIGHT FORMATIONS USING A STEREOSCOPIC IMAGER | Valentine E, Proppe D: IS NEST PREDATION INCREASED ALONG OIL PAD EDGES IN OTHERWISE CLOSED CANOPY NORTHERN FORESTS? | n/a | Jusino MA, Lorenz TJ, Walters EL, Wynia A, Banik MT, Palmer JM, Koenig JD, Hagemeyer N, Stitt J, Fischer RC, Vierling KT, Jiménez J, Walters JR, Lindner DL: HEART ROT HOTEL 2: THE NEXT GENERATION OF TREE CAVITIES AND FUNGI | n/a | Belleny D, Mathewson H, Breeden J, Tomecek J, Schwertner T, Giocomo J: EVALUATION OF LAND RESTORATION PRACTICES ON NORTHERN BOBWHITE SURVIVAL AND LAND USED IN NORTH-CENTRAL TEXAS |
| 1:35  McElaney S, Hobson K. |
| 1:40  Cyr M \*, Koper N. |
| **1:45** | 1:45  Grabarczyk E \*, Pipkin M, Vonhof M, Gill S. | Dreelin A \*, Shipley J, Winkler D: CHARACTERIZING THE AERIAL BEHAVIOR OF THREE NORTH AMERICAN HIRUNDINES FROM AN INDIVIDUAL PERSPECTIVE USING A NOVEL ALTITUDINAL DATALOGGER | Toms J, Carpenter T: COMMUNITY AND SPECIES-LEVEL RESPONSES TO ENERGY-SECTOR DISTURBANCES WITHIN REGENERATING FORESTS | Dale C \*, Nocera J, Sauve D, Kyser K, Friesen V, Ratcliffe L: FITNESS CONSEQUENCES OF ALTERNATIVE MIGRATORY STRATEGIES IN WESTERN BLUEBIRDS | Walters J, Blanc L, Rose K: CAVITY-NESTING BIRD COMMUNITIES OF SOUTHERN PINE ECOSYSTEMS: DYNAMICS AND MANAGEMENT | Brossman E, Yunger J, Mendelson J, Neidy E, Thompson D, Capps S: HABITAT SELECTION OF CAPTIVE-REARED BARN OWLS | Smith R, Brennan L, Perotto-Baldivieso H, Hernández F: FACTORS INFLUENCING NORTHERN BOBWHITE DENSITY, NEST SITES, AND NEST SURVIVAL ON POST-GRAZING LANDSCAPES IN SOUTH TEXAS |
| 1:50  Barber C, Corney H. |
| 1:55  Bonfitto M, Reddy S. |
| **2:00** | Heathcote A \*, Koper N: INVESTIGATING THE EFFECTS OF OIL DEVELOPMENT AND NOISE ON CORTICOSTERONE IN AN ALTRICIAL GRASSLAND SONGBIRD NESTLING | 2:00  Maley J, Applewhite E, Tsai W, McCormack J. | Bennett B \*, Polekoff S, Curry R: EXPLORATORY BEHAVIOR AS A COMPONENT OF PERSONALITY IN CAROLINA, BLACK-CAPPED, AND HYBRID CHICKADEES | Hallager S, Steiner J, Palfrey K: GROWING AND OPTIMIZING EX SITU EFFORTS SUPPORTING SONGBIRD CONSERVATION | Imlay T \*, Mastromonaco G, Angelier F, Hobson K, Leonard M: CARRY-OVER EFFECTS FROM WINTERING TO BREEDING FOR BARN AND CLIFF SWALLOWS | Hagar J, Sherman L: SNAG-NESTING PURPLE MARTINS IN UPLAND FORESTS OF THE PACIFIC NORTHWEST | Scholten C, Strydhorst K, Proppe D: ARE ACOUSTIC CUES A DRIVER OF HABITAT SELECTION IN GRASSLAND OBLIGATE SONGBIRDS? | Minor A, Eichholz M: INFLUENCE OF VEGETATION COVER ON AVIAN PRODUCTIVITY AND COMMUNITY ECOLOGY IN RESTORED PRAIRIE POTHOLE GRASSLANDS |
| 2:05  Hiller A, Brumfield R, Faircloth B. |
| 2:10  Sullivan P, Rasmussen P, Irestedt M, Ericson P, Lambert F, Rheindt F. |
| **2:15** | Rosa P \*, Koper N: EFFECTS OF PETROLEUM INFRASTRUCTURE ON ABUNDANCE AND PRODUCTIVITY OF GRASSLAND BIRDS: THE ROLE OF ANTHROPOGENIC NOISE | 2:15  Kimball R, Hosner P, Braun E. | Toner S, Hendrix T, Lantz S, Welklin J, Fernandez-Duque F, Swaddle J: BEHAVIORAL CHANGE AND ORNAMENTAL PLUMAGE IN THE NON-BREEDING SEASON IN A TROPICAL PASSERINE | Stuber E, Fontaine J: THE VALUE OF SCALE IN OPTIMIZING UMBRELLA SPECIES | Kelly J, Horton K, Pletschet S: PHENOLOGY OF THE ANNUAL CYCLE OF AN AVIAN SYNANTHROPE | Hagemeyer N \*, Pesendorfer MB, Koenig WD, Walters EL: SCALE-DEPENDENT RESPONSES TO A CHANGING LANDSCAPE IN ACORN WOODPECKERS | Andersen E \*, Steidl R: NONNATIVE GRASSES DECOUPLE HABITAT SELECTION FROM FITNESS IN GRASSLAND BIRDS | Marsh D, Deloria-Sheffield C, Stucker J, Cavalieri V, Palmgren G: SHORELINE HABITAT RESTORATION FOR THE ENDANGERED PIPING PLOVER IN NORTHERN MICHIGAN |
| 2:20  Questions and answers |
| **2:30** | Curry C, Des Brisay PG, Rosa P, Koper N: EFFICACY OF ADJUSTED SONGS FOR COMMUNICATION IN NOISE VARIES WITH INFRASTRUCTURE TYPE AND HORMONE LEVELS | n/a | Xu A, Hoese W, Zacherl D: AVIAN USE OF RECENTLY RESTORED EELGRASS MEADOWS AS PART OF A LIVING SHORELINES PROJECT | Abraham E, Crampton L, Hite J, Masuda B, Clark M, Vetter J: SECURING THE FUTURE: HOW TO CONSERVE POPULATIONS OF CRITICALLY ENDANGERED ENDEMIC PASSERINES IN KAUA’I | Wright J \*, Powell L, Tonra C: SHOREBIRDS IN DISGUISE: PREALTERNATE MOLT-MIGRATION AND EXTENDED STOPOVER OF RUSTY BLACKBIRDS | Groff T, Lorenz TJ, Sehgal RN: BLOOD PARASITES IN COOPERATIVE BREEDING VERSUS MONOGAMOUS BREEDING WOODPECKERS | Luukkonen D, Shirkey B, Winterstein S: DIVING DUCK DISTRIBUTION AND ABUNDANCE ON LAKE ST. CLAIR BEFORE AND AFTER INVASION BY DREISSENID MUSSELS | Roels S, Porter J, Lindell C: PREDATION PRESSURE FOR DUMMIES: AVIAN ATTACKS ON CLAY CATERPILLARS ACROSS A TROPICAL LANDSCAPE |
| **2:45** | Shonfeld J, Bayne E: IMPACTS OF ENERGY DEVELOPMENT AND DISTURBANCE ON OWLS IN THE BOREAL FOREST AT MULTIPLE SCALES | n/a | Ellis A \*, Shannon P: FORAGE FISH ABUNDANCE IN COMMON TERN DIETS, AND ITS IMPLICATIONS FOR SEABIRD POPULATIONS | Eyster H, Chan K: A FRAMEWORK FOR USING EBIRD OBSERVER DATA TO MODEL HUMAN VALUES FOR BIRD CONSERVATION | Rohwer V: MOLT ASYMMETRIES IN LARGE BIRDS | Kehoe A, Saab VA, Latif Q, Dudley JG: SPACE USE AND FORAGING PATTERNS OF THE WHITE-HEADED WOODPECKER IN WESTERN IDAHO | Palumbo M, Petrie S, Schummer M: HABITAT SELECTION OF ADULT FEMALE MALLARDS IN THE LAKE ST. CLAIR REGION DURING AUTUMN AND WINTER | Irizarry A \*, Collazo J, Pacifici K, Reich B: AVIAN RESPONSE TO SHADE LAYER RESTORATION IN COFFEE PLANTATIONS IN PUERTO RICO |

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| **Kellogg 105AB** | |
| **G35: Lightning Session II: Evolution, Systematics and Behavior**  Chair: Erin Grabarczyk | |
| **1:30** | Session introduction – Erin Grabarczyk |
| **1:35** | McElaney S, Hobson K: Nocturnal roosting in shade coffee plantations: neotropical migrants and the need for safe havens |
| **1:40** | Cyr M \*, Koper N: Effect of chronic anthropogenic noise on extra-pair paternity rate and mate choice of a threatened prairie obligate |
| **1:45** | Grabarczyk E \*, Pipkin M, Vonhof M, Gill S: When to change your tune? Unpaired and paired male wrens respond differently to anthropogenic noise |
| **1:50** | Barber C, Corney H: Do parents listen to their children? Begging does not go unanswered in European starlings (Sturnus vulgaris) |
| **1:55** | Bonfitto M, Reddy S: Investigating the role of ecology and evolution in bill shape variation among Malagasy vangas using 3D geometric morphometrics |
| **2:00** | Maley J, Applewhite E, Tsai W, McCormack J: A fresh look at some old specimens: revisiting a collared and spotted towhee hybrid zone |
| **2:05** | Hiller A, Brumfield R, Faircloth B: Knowns and unknowns in the origin of leapfrog variation in Andean birds |
| **2:10** | Sullivan P, Rasmussen P, Irestedt M, Ericson P, Lambert F, Rheindt F: Evidence from mtDNA and song for multiple species within the hooded pitta Pitta sordida complex |
| **2:15** | Kimball R, Hosner P, Braun E: How super are supermatrices? |
| **2:20** | Questions and Answers |

**Notes:**

**FRIDAY, AUGUST 4 – LATE AFTERNOON SESSIONS**

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| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | **Brody 136** |
| **Session** | S9: Mechanisms Underlying Avian Response to Energy Development, Organizer: Lindsey Sanders | G41: Breeding Behavior I  Chair: Mark Hauber |  | G42: Communication and Song I  Chair: Dan Mennill |  | S10: From fungi to fledglings: cavity-nesting bird ecology and conservation across North America, Organizers: Amy Barry and James Rivers | G43: Population Dynamics II Chair: Michael Hardy | G44: Habitat Selection II Chair: Gregory Keller |
| **3:30** | Farwell L, Wood P: BREEDING SONGBIRD RESPONSE TO FOREST FRAGMENTATION DUE TO MARCELLUS-UTICA SHALE GAS DEVELOPMENT | Wynia A \*, Rozzi R, Jiménez J: HOW IMPORTANT IS CAVITY PROVISIONING BY MAGELLANIC WOODPECKERS? A CASE STUDY IN THE WORLD’S SOUTHERNMOST FORESTS |  | Moran I\*, Doucet S, Newman E, Norris R, Mennill D: QUIET VIOLENCE: SONGBIRDS RESPOND TO PLAYBACK-SIMULATED RIVALS USING SOFT SONGS AS AGGRESSIVE SIGNALS OF INTENTION |  | Lorenz T, Fischer PC: VARIATION IN JUVENILE SURVIVAL AND DISPERSAL OF TWO WOODPECKER SPECIES REVEALED BY RADIO TELEMETRY | Dinsmore S, Ruff Z: MOUNTAIN PLOVER (CHARADRIUS MONTANUS) NEST SPACING PATTERNS IN MONTANA | Bednar J, Zlonis E, Hamady M, Niemi G: HABITAT ASSOCIATIONS OF BREEDING BIRDS IN A LOWLAND CONIFER DOMINATED LANDSCAPE, MINNESOTA, USA |
| **3:45** | Wood P, Frantz M: RESPONSE OF LOUISIANA WATERTHRUSH AND THEIR BENTHIC PREY TO SHALE GAS DEVELOPMENT | Swift R \*, Rodewald A, Senner N: CONTEXT-DEPENDENT PROTECTIVE NESTING ASSOCIATION IN HUDSONIAN GODWITS (LIMOSA HAEMASTICA) |  | Demko A \*, Mennill D: THE VOCAL BEHAVIOR OF A TROPICAL RESIDENT SONGBIRD, THE RUFOUS-CAPPED WARBLER |  | Stephens J, Verschuyl J, Halstead K, Rock D: DO BLACK-BACKED WOODPECKERS USE GREEN FORESTS? | Cruz Bernal J, Windels S, Thogmartin W, Crimmins S, Grim L, Zuckerberg B: THE RETURN OF BALD EAGLES: SPATIOTEMPORAL DYNAMICS OF A RECOVERING APEX PREDATOR AND BENEFICIAL MANAGEMENT IMPACTS | Stalwick J, Wiebe K: FORAGING PATTERNS, PREY USE, AND REPRODUCTION OF MOUNTAIN BLUEBIRDS IN CLEARCUT VERSUS GRASSLAND HABITATS |
| **4:00** | Chalfoun AD, Hethcoat M, Sanders L: NATURAL GAS FIELDS AS ECOLOGICAL TRAPS FOR NESTING BIRDS | Labbe A \*, Dunlop J, Calver M, Shephard J, Van Keulen M: AGE EFFECTS ON THE BREEDING PERFORMANCE OF BRIDLED TERNS BREEDING IN SOUTH WESTERN AUSTRALIA |  | Schroeder K \*, McRae S: VOCALIZATIONS IN A NON-PASSERINE: WHAT CAN CALL STRUCTURE TELL US ABOUT AN INDIVIDUAL KING RAIL? |  | Tingley M, Stillman AN, Wilkerson RL, Siegel RB: MULTI-SCALE SPATIOTEMPORAL DYNAMICS OF BLACK-BACKED WOODPECKERS IN CALIFORNIAN BURNED FORESTS | Shurtliff Q: COMMON RAVEN USE OF POWER LINES FOR NESTING: IMPLICATIONS FOR GREATER SAGE-GROUSE CONSERVATION | Fiss C, Larkin J, McNeil D: HABITAT SELECTION AND MOVEMENT OF FLEDGLING GOLDEN-WINGED WARBLERS IN MANAGED MIXED-OAK FORESTS OF THE CENTRAL APPALACHIAN MOUNTAINS |
| **4:15** | Sanders L \*, Chalfoun AD: WHAT IS SUSTAINING HIGHER NEST PREDATOR ABUNDANCE WITHIN NATURAL GAS FIELDS? | Behnke T, Street P, Sedinger J: TEMPORAL VARIATION IN NESTING PROPENSITY SUGGESTS TRADEOFFS BETWEEN ADULT SURVIVAL AND CURRENT REPRODUCTIVE EFFORT IN GREATER SAGE-GROUSE |  | Apol C, Sturdy C, Proppe D: LACK OF SEASONAL VARIATION IN HABITAT MAY HAVE FACILITATED THE LOSS OF A SONG IN THE BOREAL CHICKADEE |  | Wiebe K: MOVEMENTS, CAVITY EXCAVATION AND REPRODUCTIVE SUCCESS OF FLICKERS IN RESPONSE TO WILDFIRES | Hardy M \*, Broadway M, Hull S, Riddle J, Zuckerberg B: POTENTIAL MISALIGNMENT OF MANAGEMENT PRACTICES AND GREATER PRAIRIE-CHICKEN DEMOGRAPHY IN WISCONSIN'S GRASSLANDS | Brunner A \*, Tonra C, Marra P: SEASONAL CHANGES IN RAINFALL INFLUENCE HABITAT UTILIZATION AND DIET IN WINTERING SWAINSON'S WARBLERS |
| **4:30** | DISCUSSION | Hart M \*, Stouffer P, Taylor S, Burns C, Alquati A, Woltmann S: SEASIDE SPARROW (AMMODRAMUS MARITIMUS) NEST SUCCESS FOLLOWING THE DEEPWATER HORIZON OIL SPILL |  | Landsborough B, Hasson R, Foote J, Mennill D: QUANTITATIVE ANALYSIS OF INTRASPECIFIC VARIATION IN THE NOCTURNAL FLIGHT CALLS OF MIGRATORY PASSERINES |  | Edworthy A, Trzcinski K, Cockle K, Wiebe K, Martin K: OCCUPANCY OF TREE CAVITIES AS THEY AGE: SELECTION FOR YOUNG, MID-AGED AND OLDER NESTING CAVITIES BY CAVITY-NESTING VERTEBRATES | n/a | Keller G: HABITAT DEGRADATION AND LANDSCAPE HETEROGENEITY ON WINTERING MIGRANTS IN LOWLAND BELIZE RAINFOREST |
| **4:45** | n/a | Hauber M, Barateli K, McCarthy CJ, Cassey P, Dale J: FEMALE-SPECIFIC CONSISTENCY IN THE EGG MORPHOLOGY OF COMMON MURRES |  | Mennill D, Doucet S, Williams H, Newman A, Norris R: WILD BIRDS LEARN SONGS FROM EXPERIMENTAL VOCAL TUTORS |  | Barry A, Rivers JR: IF YOU BUILD IT, WHO WILL COME? ASSESSING USE OF CREATED SNAGS BY CAVITY-NESTING BIRDS ACROSS 25 YEARS | n/a | Soto G, Rodewald A, Vergara P, Ojeda V, Chazarretad L: PREVIOUSLY-USED NESTING CAVITIES INFLUENCE OCCURRENCE AND TERRITORY SIZE OF MAGELLANIC WOODPECKERS |

**SATURDAY, AUGUST 5 – MORNING SESSIONS**

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| **8:00** | **PLENARY SESSION – Wells 115: Welcome & Announcements, Plenary Address: Michael Sorenson** | | | | | | | |
| **10:00** | Break | | | | | | | |
| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | **Brody 136** |
| **Session** | S11: Forty-five years of Brown-headed Cowbird Control: What have we learned? Organizers: Barbara Kus and Mary Whitfield | G45: Breeding Behavior II Chair: Mike Butler |  | G46: Communication and Song II  Chair: Carla Cicero |  | S12: Sagebrush Birds in a Changing Environment, Organizers: Steve Hanser, Cameron Aldridge and Peter S. Coates | G47: Evolution V: Habitat influences on diversification Chair: Colleen Barber |  |
| **10:30** | Whitfield MJ, Kus BE: OVERVIEW OF COWBIRD CONTROL: EFFECTIVENESS, COSTS AND CONCERNS | Butler M, Rossi M: HOUSE SPARROWS EXHIBIT LESS NEST DEFENSE THAN BOTH EASTERN BLUEBIRDS AND TREE SWALLOWS |  | Graham B, Heath D, Mennill D: LEARNING ON THE FLY: DISPERSAL INFLUENCES ACOUSTIC VARIATION FOR BOTH MALES AND FEMALES IN A TROPICAL SONGBIRD |  | Hanser SE, Aldridge CA, Coates PS: SAGEBRUSH BIRDS AND THE COLLABORATIVE CONSERVATION EFFORT TO RECOVER AN IMPERILED ECOSYSTEM | van Els P, Etienne R: THE ROLE OF HABITAT IN AVIAN DIVERSIFICATION |  |
| **10:45** | Cooper N, Marra P: EVALUATING THE COWBIRD CONTROL PROGRAM TO REDUCE CONSERVATION-RELIANCE OF THE KIRTLAND’S WARBLER | Upham-Mills E, Bayne E, Haché S: USE OF SONG RATE TO INFER BREEDING STATUS IN THE OLIVE-SIDED FLYCATCHER |  | Sanchez N, Bayne E: BEAK MORPHOLOGY PREDICTS VOCAL FEATURES IN SONGBIRDS: UNDERSTANDING VOCAL RESPONSES TO CHRONIC INDUSTRIAL NOISE |  | Ricca MA, et al.: WILDFIRE, CLIMATE, AND INVASIVE GRASS INTERACTIONS NEGATIVELY IMPACT AN INDICATOR SPECIES BY RESHAPING SAGEBRUSH ECOSYSTEMS | Luzuriaga-Aveiga V, Weir J: THE ROLE OF ECOLOGICAL DIFFERENTIATION IN ACCELERATING REPRODUCTIVE ISOLATION IN ANDEAN AND AMAZONIAN BIRDS |  |
| **11:00** | Kus B, Lynn S: WHEN LESS IS MORE: ALTERNATIVE PROTOCOLS FOR REDUCING PARASITISM OF THE LEAST BELL’S VIREO | Collins S, Selman W, Strong W: REPRODUCTIVE ECOLOGY OF REDDISH EGRETS NESTING ON A NATURAL MARSH ISLAND IN SOUTHWEST LOUISIANA |  | Strauss A, Podos J: IS ACOUSTIC ADAPTATION A DRIVER OF SONG DIVERGENCE IN GALAPAGOS FINCHES? |  | Severson J, Coates P, Ricca M, Prochazka B, Hagen C: SUMMARY OF RECENT STUDIES ON THE EFFECTS OF CONIFER EXPANSION AND REMOVAL ON SAGE-GROUSE | Demery A, Burns K, Mason N: CORRELATED TRAIT EVOLUTION AMONG ABIOTIC AND BIOTIC FACTORS IN A CONTINENTAL RADIATION (THRAUPIDAE) |  |
| **11:15** | Summers S, Cimprich D: REDUCING COWBIRD CONTROL COSTS AT FORT HOOD, TEXAS: IMPLICATIONS FOR BLACK-CAPPED VIREO RECOVERY | van Riper C III, Darrah A, Greeney H: NEST SITE ENHANCEMENT CAN INFLUENCE POLYGAMY IN THE CORDILLERAN FLYCATCHER ALONG THE DOLORES RIVER IN SOUTHWEST COLORADO |  | Otter K, Mckenna A, LaZerte S, Ramsay S: THE POSSIBLE LINK BETWEEN WINTERING GROUNDS AND CONTINENT-WIDE SHIFTS IN SONG DIALECTS OF WHITE-THROATED SPARROWS |  | Monroe A, Aldridge C, Assal TJ, Veblen KE, Pyke DA, Casazza ML: RESPONSES TO LAND USE BY GREATER SAGE-GROUSE AT BROAD SCALES: AN EXAMPLE FROM PUBLIC GRAZING RECORDS | Conway M, Kovach A, Olsen B: STRUCTURE OF ECOLOGICAL SPECIALIZATION: IMPLICATIONS FOR CONSERVATION IN A RAPIDLY CHANGING ENVIRONMENT |  |
| **11:30** | McLeod MA, Koronkiewicz TJ: COMPARATIVE CAPTURE EFFICIENCY OF PORTABLE COWBIRD TRAPS | Cloud B, Hartman P, Confer J, Westneat D: HETEROSPECIFIC EXTRA-PAIR FERTILIZATIONS AS A MECHANISM FOR HYBRIDIZATION BETWEEN TWO SPECIES OF WOOD WARBLERS |  | Najar N, Benedict L: GEOGRAPHIC VARIATION IN SONG COMPLEXITY IN THE ROCK WREN (SALPINCTES OBSOLETUS) |  | Conway C, Musil D, Makela P, Roberts S, Launchbaugh K, Meyers A: EFFECTS OF CATTLE GRAZING ON GREATER SAGE-GROUSE AND OTHER SAGEBRUSH STEPPE BIRDS | n/a |  |
| **11:45** | n/a | Walton N, Niemi G, Zlonis E: RESULTS OF THE MINNESOTA BREEDING BIRD ATLAS: SPECIES DISTRIBUTION MODELS AND POPULATION ESTIMATES |  | Cicero C, Jenkins C: SONG AS A DRIVER OF REPRODUCTIVE ISOLATION IN WESTERN SPOTTED TOWHEES (PIPILO MACULATUS) |  | Chalfoun A, Carlisle J, Keinath D, Smith K, Beck J, Murphy M, Albeke S: THE GREATER SAGE-GROUSE AS A CONSERVATION SURROGATE: WHERE ARE THE HOLES IN THE UMBRELLA? | n/a |  |

**SATURDAY, AUGUST 5 – EARLY AFTERNOON SESSIONS**

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| **Room** | **Kellogg Auditorium** | **Kellogg 105AB** | **Kellogg 103AB** | **Kellogg 106** | **Kellogg 104AB** | **Brody 112** | **Brody 134** | | **Brody 136** |
| **Session** | S11: Forty-five years of Brown-headed Cowbird Control: What have we learned? Organizers: Barbara Kus and Mary Whitfield | G48: Community Ecology Chair: Supriya K |  | G49: Population Dynamics III Chair: Peter Arcese |  | S12: Sagebrush Birds in a Changing Environment, Organizers: Steve Hanser, Cameron Aldridge and Peter S. Coates | G50: Migration and Movement V: Connectivity Chair: T.J. Zenzal | G51: Management  Chair: Tim Parker | |
| **1:30** | Kostecke R, Wilsey C, Cimprich DA, Summers SG: WILL IT EVER END? COWBIRD MANAGEMENT AND A CONSERVATION RELIANT SPECIES | Supriya K, Moreau C, Price T: COMPETITION BETWEEN BIRDS AND ANTS FOR NESTING CAVITIES AT LOW ELEVATION IN EASTERN HIMALAYAS |  | Arcese P, Tarwater C: INDIVIDUAL VARIATION IN REPRODUCTION AND THE FAST-SLOW LIFE HISTORY CONTINUUM IN A SHORT-LIVED BIRD |  | Timmer J, Aldridge C, Breugger R, Tipton C, Fernandez-Gimenez M: EXTENDING STATE-AND-TRANSITION MODELS TO INCLUDE WILDLIFE ECOSYSTEM SERVICES | Zenzal T, Contina A, Kelly J, Moore F: CONNECTIVITY BETWEEN GULF COAST STOPOVER AND BREEDING LOCATIONS OF RUBY-THROATED HUMMINBIRDS | | Parker T: ASSESSING THE RELIABILITY OF THE EMPIRICAL LITERATURE IN ECOLOGY AND EVOLUTIONARY BIOLOGY |
| **1:45** | Whitfield MJ, Hall LS, Parker SS: AN ADAPTIVE APPROACH TO COWBIRD MANAGEMENT ON A SOUTHERN CALIFORNIA DRAINAGE | Kent C, Sherry T: YEAR ROUND COMPETITION IN A MIGRATORY SONGBIRD: DIETARY OPPORTUNISM, OVERLAP, AND PRIVATE RESOURCES |  | Hallworth M, Sillett T, Kaiser S, Ryder T, Webster M: THE COST OF REPRODUCTION IN A GREENING WORLD |  | Falkowski M, Reinhardt JR, Naugle DE, Doherty KE, Allred B, Tack JD: DECISION SUPPORT TOOL FOR PINYON-JUNIPER REMOVAL: MAXIMIZING BENEFITS TO SAGEBRUSH AND FOREST OBLIGATE SONGBIRDS | McKellar A, et al.: FULL ANNUAL CYCLE TRACKING REVEALS THE MIGRATORY ROUTES AND NON-BREEDING DISTRIBUTION OF A DECLINING WATERBIRD | | Fournier A, Woodrey M, Lyons J, Cooper B, Evans K: APPLICATION OF STRUCTURED DECISION MAKING TO MARSHBIRD MONITORING IN THE GULF OF MEXICO |
| **2:00** | DISCUSSION | Dennhardt A, Roloff G, Pearsall D, Doran P, Hall C: EFFECTS OF NORTHERN HARDWOODS SILVICULTURE ON FOREST BIRD COMMUNITY DYNAMICS |  | Dossman B, Rodewald A, Marra P: SEASONAL RAINFALL INFLUENCES INTRA- AND INTER-SEASONAL VARIATION IN TERRITORIALITY OF A WINTERING MIGRATORY SONGBIRD |  | Pavlacky D: INTEGRATING STAKEHOLDER OBJECTIVES, ECOLOGICAL SITE DESCRIPTIONS AND MONITORING DATA TO ACHIEVE MULTI-SPECIES BIRD CONSERVATION IN SAGEBRUSH RANGELANDS | Mancuso K, Bishop C, Hodges K, Huang A, Lancaster M, Bezener M: TWO RIPARIAN SONGBIRD SPECIES AT THE PERIPHERY OF THEIR BREEDING RANGE | | Washburn B, Linnell K: ASSESSING OWL COLLISIONS WITH U.S. CIVIL AND U.S. AIR FORCE AIRCRAFT |
| **2:15** | Barve S, Warrier R, Dhondt A, THE UNDERDOGS ARE WINNING: DRIVERS OF ELEVATIONAL DISTRIBUTION IN HIMALAYAN TITMICE |  | Greig E, Larsen E: EXTREME ENVIRONMENTAL CONDITIONS AND REPRODUCTIVE BEHAVIOR IN A DESERT SONGBIRD (VERDINS: REMIZIDAE) |  | Aldridge C, Saher J, Hanser SE, Heinrichs J, Monroe A, Leu M: EVALUATING BIODIVERSITY OF SAGEBRUSH-DEPENDENT SPECIES WITHIN SAGE-GROUSE HABITAT: AN EXAMPLE FROM THE WYOMING BASINS | Kramer G, et al.: RANGE-WIDE MIGRATION PATTERNS AND DISTRIBUTION OF VERMIVORA WARBLERS DURING THE NONBREEDING PERIOD | | Tozer D, Steele O, Gloutney M: MULTISPECIES BENEFITS OF WETLAND CONSERVATION FOR MARSH BIRDS, FROGS, AND SPECIES AT RISK |
| **2:30** | n/a | Wu Y: YAK DUNG AND GRASS STRUCTURE INFLUENCE THE FORAGING ECOLOGY OF BLACK-NECKED CRANES BREEDING ON THE QINGHAI-TIBET PLATEAU |  | n/a |  | Coates P, Prochazka BG, Ricca MA, Aldridge CA, O’Donnell MS, Hanser SE, Doherty KE: HIERARCHICAL POPULATION MONITORING TO INFORM ADAPTIVE MANAGEMENT: AN EXAMPLE FROM THE SAGEBRUSH ECOSYSTEM | Toews D, Heavyside J, Irwin D: THE EVOLUTION AND CONSTRAINTS OF MIGRATION IN WOOD WARBLERS | | n/a |
| **2:45** | n/a | Morra K, Chikaraishi Y, James H, Ostrom P, Zipkin E, Rossman S, Wiley A: PELAGIC SEABIRD SPECIES PARTITION THE NORTH PACIFIC OCEAN |  | n/a |  | DISCUSSION | n/a | | n/a |