

## AOU Research Award Recipients. 1999-2016

### Page 1

#### 2016

- Matthew Aberle, Virginia Polytechnic Institute and State University: Effects Of Temperature On House Finch Behavior, Physiology, And Infectious Disease Transmission
- Mikus Abolins-Abols, Indiana University: Hormonal Regulation Of A Social Feather Ornament
- Ian Ausprey, University of Florida: How Does Habitat Fragmentation Regulate the Composition and Genetic Connectivity of High Elevation Andean Forest Bird Communities?
- Jessica Cusick, Florida State University: Investigating Proximate Causes of Interindividual Variation in Cooperative Behavior
- Amelia-Juliette Demery, San Diego State University: Trait Evolution and Diversification of the Tanagers (Thraupidae)
- Alana Demko, University of Windsor: Receiver Response To Vocal And Visual Signal Divergence In A Neotropical Songbird
- Bryant Dossman, Cornell University: Winter Habitat Quality, Departure Timing, and Plasticity in Migratory Behavior: Can Birds Compensate for Delays in Migration?
- Robert Driver, Villanova University: Direct Measurement Of Haldane's Rule In A Moving Hybrid Zone
- Douglas Eddy, University of Wyoming: Testing Models Of Energy Cost And Trade-Offs For Avian Malaria In A High Elevation Passerine
- Benjamin Freeman, University of British Columbia: Measuring The Tempo Of Premating Reproductive Isolation In Neotropical Birds
- Megan Garfinkel, University of Illinois at Chicago: Bird-Provisioned Pest Removal Services On Conventional Soy Farms: An Evaluation Of An Ecosystem Services Approach As A Tool For Prairie Bird Conservation
- Brock Geary, Tulane University: Individual Foraging Strategies And Fitness Consequences In A Specialist Seabird
- Mariamar Gutierrez Ramirez, University of Massachusetts Amherst: The Effect Of Lean Body Mass On Migratory Decisions Of Nearctic-Neotropical Migrants After Traversing An Ecological Barrier In Spring
- Ashley Hannah, University of Wisconsin-Madison: Characterizing Breeding Habitat Selection And Reproductive Success Of The Wisconsin Population Of Kirtland's Warbler
- Rachel Hasson, University of Windsor: Nocturnal Migration of Birds In The Great Lakes Flyway: An Analysis of Timing and the Effects of Weather
- Zach Kahn, University of Windsor: An Examination of Acoustic Paternity Guarding in a Neotropical Duetting Songbird
- Abigail Kimmitt, Indiana University, Bloomington: Does Timing Of Migration And Reproduction Alter Gene Flow In Seasonal Sympatry?
- Joshua LaPergola, Cornell University: The Adaptive Basis Of Sexual Size Dimorphism In The Hispaniolan Woodpecker (*Melanerpes striatus*) A Neotropical, Colonial Breeder
- Libby Megna, University of Wyoming: Patterns Of Genomic Divergence In Hybridizing And Non-Hybridizing Passerines

## AOU Research Award Recipients. 1999-2016

### Page 2

- Brian Myers, San Diego State University, University of California, Riverside: Genetics, Behavior, And Morphology In A Hummingbird Hybrid Zone
- Sarah Nielsen, University of Melbourne: Using Rapid Acoustic Surveys To Assess The Species Richness Of Avian Communities In A Biodiversity Hotspot: Sulawesi, Indonesia
- Sean Peterson, University of California - Berkeley: Assessing Changes in Behavior, Survival, and Inter-specific Competition During a Historic Drought
- Jennifer N. Phillips, Tulane University: What Are The Functional Consequences Of Urbanized Songs For Female Choice?
- Kaiya Provost, Columbia University/American Museum of Natural History: Genetic And Behavioral Divergence Among Northern Cardinal (*Cardinalis cardinalis*) Populations: Testing The Permeability Of A Biogeographic Barrier
- Samuel Slowinski, Indiana University: Comparing The Timing Of Relapse Of Plasmodium Infections In Co-Occurring Migrant Juncos That Vary In Breeding Latitude And In The Seasonal Timing
- Grace Smith Vidaurre, New Mexico State University: How Has Human Habitat Alteration Contributed To Monk Parakeet (*Myiopsitta monachus*) Invasion Success Across The Northern Hemisphere
- Maria Stager, University of Montana, Missoula: Connecting Individual Measures of Junco Survival and Thermogenic Performance
- Rebecca Taylor, Queen's University: The Role Of Allochronic Speciation In The Band-Rumped Storm-Petrel Species Complex (*Hydrobates* spp.)
- Madhvi Venkatraman, University of Maryland, College Park: Understanding Rapid Adaptation To Elevation Post Species Introduction In The Japanese White-Eye (*Zosterops japonicus*)
- James Wright, The Ohio State University: Habitat Use and Migratory Stopover Ecology of the Rusty Blackbird
- David Zonana, University of Colorado, Boulder: Social Networks, Patterns Of Paternity, And Behavioral Reproductive Isolation Across A Quail Hybrid Zone

### 2015

- Carolyn Bauer, North Dakota State University: Does a migratory lifestyle accelerate telomere loss in *Junco hyemalis*?
- Alexandra Bentz, University of Georgia: Understanding the mechanistic role of hormone-mediated maternal effects in programming avian offspring aggression
- Sara Berk, University of Montana: Stress, condition, and sexual selection in the Mountain Bluebird, *Sialia currucoides*
- Misha Blizard, University of Chicago: Proximate mechanisms of female aggression in a species exhibiting sex-role reversal
- Emerson Bowers, Illinois State University: Dynamics of offspring begging and parental food provisioning in the House Wren
- Sarah Burgan, University of South Florida: Repeated pathogen exposure in avian hosts: Implications for transmission in the WNV system
- Daniel Field, Yale University: Geometric evolution of the avian musculoskeletal system

## AOU Research Award Recipients. 1999-2016

### Page 3

- Ariel Gaffney, University of New Mexico: A test of the physiological basis of elevational replacement in hummingbirds using a hypobaric chamber
- Juan Pablo Gomez, University of Florida: Environmental gradients as predictors of avian malaria: Are parasites correlated to morphological differences?
- Tyler Hallman, Oregon State University: Closing the gap: The convergence of professional bird surveys and citizen science
- Johanna Harvey, Texas A&M University: The role of avian life history characteristics in migratory connectivity of malaria parasites
- John Jones, Appalachian State University: Influences of personality and competition on Golden-winged Warbler conservation
- Todd Jones, University of Illinois: Examining the post-fledging period of migratory birds: Do carryover effects influence fledgling behavior and survival?
- Holly Kilvitis, University of South Florida: Effects of early-life immune challenge on avian resistance in adulthood: An epigenetic approach
- Carlos Lara, University of Otago, Does oxidative damage mirror a comprehensive account of reproductive effort?
- Christine Lattin, Yale University: Using positron emission tomography (PET) to assess tissue-specific energetic trade-offs between immune function and reproduction in a wild bird
- Sara Lipshutz, Tulane University: Behavioral drivers of reproductive isolation and hybridization in a sex-role reversed system
- Leeann Louis, University of California, Berkeley: A novel method to understand hovering in small passerine birds
- Ashley Love, Oklahoma State University: Disease-mediated parental effects in birds: Mechanisms and implications
- Sarah MacLean, University of California Berkeley: Interactive effects of climate and land-use change on century-scale range shifts of Californian birds
- Flavia Montaño Centellas, University of Florida: Assembly of mixed species flocks along an elevation gradient: Importance of environment and species interactions
- Jennifer Morinay, University of Lyon: Within- and among-individual variation in mitochondrial density and functioning in a natural bird population: Causes and consequences
- Nadjé Najar, University of Northern Colorado: Geographic patterns of song complexity in the Rock Wren (*Salpinctes obsoletus*)
- Esther Niemasik, Cornell University: Can interspecific competition drive cooperative breeding in Brown-headed Nuthatches (*Sitta pusilla*)?
- Joel Slade, University of Western Ontario: Chemical and acoustic signaling of MHC genotype in Song Sparrows (*Melospiza melodia*)
- Nicholas Sly, University of Illinois: Using gene expression to reveal the mechanisms of melanin-based feather pigmentation
- Andrew Sweet, University of Illinois: Correlated cospeciation patterns between New World ground-doves and their parasitic lice

## AOU Research Award Recipients. 1999-2016

### Page 4

- Anna Tigano, Queen's University: The genomic basis of bridling and thermal adaptation in a dimorphic species, the common murre (*Uria aalge*)
- Brian Trevelline, Duquesne University: The effects of stream acidification on trophic niche differentiation in riparian songbird communities
- Paul van Els, Louisiana State University: Comparative phylogeography of South American savanna birds: Adding a missing piece to the puzzle of Neotropical diversification
- Brad Woodworth, University of Guelph: Demographic and environmental drivers of population dynamics in a migratory songbird

### 2014

- Virginia Abernathy, Australian National University: Investigating the rate of coevolution between the Pacific Koel and its hosts
- Amos Belmaker, Cornell University: Telomeres as determinants of life history and behavior variation in *Tachycineta bicolor*
- Phred Benham, University of Illinois at Urbana-Champaign: The influence of gene flow, effective population size, and history on local adaptation to saltmarshes in the Savannah Sparrow (*Passerculus sandwichensis*)
- Andrew Boyce, University of Montana: The Fight for Space: Exploring the Roles of Abiotic and Biotic Factors in Limiting Elevational Ranges of Tropical Birds
- Clare Brown, Louisiana State University: The Evolutionary Genomics of Migration in Swallows
- Laure Cauchard, University de Montréal: Does between-individual variation in cognitive performances relate to oxidative stress level in a natural passerine bird population?
- Antonio Celis-Murillo, University of Illinois at Urbana-Champaign: Is cheating for everyone? Individual Quality, Extraterritorial Forays and Extra-pair Paternity in Field Sparrows (*Spizella pusilla*)
- Abigail Darrah, University of Arizona: Role of competitive interactions on the winter grounds in the evolution of niche-switching in the Western Flycatcher
- Shane DuBay, University of Chicago: The evolution of elevational range limits in birds: Physiological plasticity across environmental gradients
- Erik Enbody, Tulane University: Adaptive significance of female ornamentation in White-shouldered Fairy-wrens
- Lauren Fitzsimmons, University of Windsor: Communication breakdown: Avian communication networks along North America's busiest highway
- Alex Folk, Western Illinois University: Adaptive Modulation of Virulence by Brown-headed Cowbird Nestlings
- Matthew Fuxjager, University of California-Los Angeles: Avian Muscular Physiology and its contribution to physically elaborate display behavior
- Sarah Guindre-Parker, Columbia University: Coping with Environmental Uncertainty using the Avian Glucocorticoid Response

## AOU Research Award Recipients. 1999-2016

### Page 5

- Natalie Hofmeister, Columbia University: Stress Physiology and Adaptation to Environmental Unpredictability: Hormone Receptor Sequence Variation in African Starlings
- Kate Johnson, University of British Columbia: Morphological change in an insular song sparrow in response to fox sparrow invasion
- Kristin Jones, Oregon State University: Investigating the Effects of Intensive Forest Management on Microclimate and Reproductive Success in a Cavity-Nesting Songbird
- Elizabeth Kelly, Cornell University: When Jays are hormonal: understanding the mechanisms behind cooperative breeding
- Megan Kobiela, University of Minnesota: Mechanism for Pitohui batrachotoxin resistance: Sodium channel evolution in birds
- Caitlin Kroeger, University of California-Santa Cruz: Foraging in a dynamic ocean environment: a comparative energetics study of southern albatrosses using high-resolution GPS devices
- Marisa Lim, Stony Brook University: Investigating the genetic basis of high altitude adaptation in Andean hummingbirds
- Haw Lim, Smithsonian Institution: Target Enrichment Enables use of Museum Skins in Comprehensive and Comparative Population Genomic Study of Birds in Tropical Biodiversity Hotspots
- Christina Masco, University of Chicago: The signal value of song overlapping in the splendid fairy-wren (*Malurus splendens*)
- James Mouton, University of Montana: Nest predation risk, reproductive effort, and parental investment
- Lindsey Nietmann, University of Washington: Predator recognition and social learning in island and continental Rufous Fantail populations
- David Ocampo, Universidad de los Andes: Evolution of eggshell structure in tropical birds
- Karan Odom, University of Maryland: Exploring the role of female song and duets in the evolution of complex bird song
- Katharina Schreier, Oklahoma State University: Defenses Against Infection: Balancing Behavioral and Immunological Strategies
- Kristina Smiley, Cornell University: Uncovering the role of prolactin in parental care of a biparental songbird, the zebra finch
- Samuel Socolar, Princeton University: Determinants of avian diversity and community structure in a hyper-diverse forest mosaic

### 2013

- Robert Aldredge, University of North Carolina at Chapel Hill, The proximate regulation of avian clutch size
- Zachary Bateson, University of Wisconsin-Milwaukee: MHC copy number variation in threatened bird populations
- Shawn Billerman, University of Wyoming: Testing the relationship between species recognition and hybridization in speciation

## AOU Research Award Recipients. 1999-2016

### Page 6

- Luke Browne, Tulane University: Estimating the value of avian seed dispersal in the Chocó forests of Ecuador
- Sarah Cleeton University of Illinois at Urbana-Champaign: Exploring the role of migratory songbirds in the range expansion of black-legged ticks and the Lyme disease pathogen
- Bryant Dossman, The Ohio State University: Migratory timing and non-breeding habitat quality: can birds compensate for migratory delays?
- Annette Fayet, University of Oxford: Divide and conquer? Investigating potential age-differences in foraging strategies of Manx shearwaters
- Alyssa FitzGerald, State University of New York at Albany: Niche divergence and speciation in a clade of recently diverged species of *Catharus* thrushes
- Brendan Graham, University of Windsor: Patterns of song learning and dispersal in a duetting species: The Rufous-and-white Wren
- Amberleigh Henschen, University Of Wisconsin-Milwaukee: Immune genes and male ornaments in the Common Yellowthroat
- Amanda Hund, University of Colorado: Are Parasites Mediating Sexual Trait Divergence and Speciation in the Barn Swallow?
- Blake Jones, University of Memphis: Learned antipredator behavior: a hormonal mechanism
- Matthew Jones, University of Wyoming: Host-parasite interactions and immunogenetic evolution along environmental gradients
- Megan Jones, Florida State University: Why do dominant individuals cooperate? Fitness consequences of cooperative courtship
- Allison Johnson, University of Chicago: Know Thy Neighbor: Heterospecific Recognition in Two Fairy-wren Species
- Rebecca Koch, Auburn University: Experimental tests of the resource tradeoff hypothesis for signal honesty
- Susan Lyons, University of North Carolina at Chapel Hill, Behavioral and neural plasticity in a songbird: does quality of song early in life matter?
- Nicholas Mason, Cornell University, Phylogenomic analyses of population differentiation, local adaptation, and species limits in the Horned Lark (*Eremophila alpestris*)
- Katherine McClure, University of California Santa Cruz: The role of host community composition on avian malaria transmission in lowland Hawaii
- Jennifer Mortensen, Tufts University: Group-size effects on incubation constancy in a Neotropical cooperative breeder
- Robert Outlaw, Mississippi State University: Molecular evolution in metabolically important genes in avian haemosporidian parasites (Phylum: Apicomplexa)
- Kathryn Peiman, University of California-Los Angeles: Intraspecific and interspecific exploitative competition in a migrant and resident passerine during the non-breeding season
- Henry Pollock, University of Illinois: Comparing thermal physiology across latitude: are tropical birds more vulnerable to climate change than their temperate-zone counterparts?

## AOU Research Award Recipients. 1999-2016

### Page 7

- Paulo Pulgarin, Universidad de Los Andes: Evolutionary implications of avian malaria parasites in the elevational zonation of *Henicorhina* wood-wrens
- Taza Schaming, Cornell University: The impact of whitebark pine (*Pinus albicaulis*) mortality on Clark's Nutcracker (*Nucifraga columbiana*) demography and habitat selection
- Allison Shultz, Harvard University: Phylogeography and genomic signatures of disease resistance in natural and introduced populations of the House Finch (*Haemorhous mexicanus*)
- Megan Skrip, The University of Rhode Island: High-antioxidant diet and exercise in songbirds: understanding oxidative balance during endurance flight and the effect of exercise on egg composition
- Maria Stager, University of Illinois: Towards an integrative understanding of phenotypic flexibility: connecting seasonal changes in gene expression to performance
- Molly Staley, Auburn University: The role of the immune system in preventing emerging infectious diseases in wild birds
- Carla Vanderbilt, Florida State University: Social context and male motor performance in the Lance-tailed Manakin

### 2012

- Mikus Abolins-Abols, Indiana University: Does interaction between hormonal axes mediate evolution of behavior?
- Michael Akresh, University of Massachusetts Amherst: Examining carry-over effects in Prairie Warblers using stable-isotope analysis
- Andrea Ayala, University of Georgia: Effects of helminth co-infection on virus susceptibility and infectiousness in a model Rock Pigeon (*Columba livia*) system
- Sara Bebus, University of Memphis: Long-term effects of developmental corticosterone on cognitive abilities in Florida Scrub-Jays
- Kenton Buck, The College of William and Mary: Evaluating the potential for adaptive response to mercury in captive-dosed Zebra Finches
- Taylor Callicrate, Smithsonian Institution & University of Maryland: Population declines and genetic variation: serial bottlenecks in the Laysan Finch
- Jessica Ebers, The College of William & Mary: A novel test of the immunocompetence handicap hypothesis
- Melanie Guigueno, The University of Western Ontario: Sex differences in spatial cognition in Brown-headed Cowbirds: testing the adaptive specialization hypothesis in a species with sex-role-reversed use of space
- Michael Hallworth, Smithsonian Institution's Migratory Bird Center: Quantifying migratory connectivity of a migratory songbird using direct and indirect techniques
- Michael Harvey, Louisiana State University: Phylogeographic discord in the comparative genomic history of Amazonian birds
- Daniel Hooper, University of Chicago: Chromosomal inversions and the incipient speciation of juncos (genus *Junco*)
- Jacob Job, Western Michigan University: Can you hear me now: Does urban noise induce plasticity in populations of Chipping Sparrows (*Spizella passerina*)

## AOU Research Award Recipients. 1999-2016

### Page 8

- Yula Kapetanakos, Cornell University: Using non-invasive, genetic mark-recapture to develop a comprehensive demographic assessment of critically endangered Asian vultures
- Wakana Kirihata, Cornell University: Intralocus sexual conflict in the Zebra Finch
- Lukas Klicka, San Diego State University: Phylogeographic structure and conservation genetics of the Bell's Vireo
- Kristin Kovach, University of Windsor: The function of duetting behavior in *Thryothorus* wrens
- Katie LaBarbera, University of California-Berkeley: Cryptic responses to climate change in an elevationally widespread bird, the Dark-eyed Junco (*Junco hyemalis thurberi*)
- Samantha Lantz, Tulane University: How do environmental drivers impact social organization and intensity of sexual selection in Red-backed Fairy-Wrens?
- Christine Lattin, Tufts University: Why does corticosterone vary seasonally in wild birds?: A receptor's-eye view
- Joseph Manthey, University of Kansas, Consequences of secondary contact in *Picoides* woodpeckers
- Dustin Reichard, Indiana University: Investigating the production and function of low-amplitude songs using microphone-transmitters
- Vanya Rohwer, Queen's University: Chemical nest defense in South African birds
- Clark Rushing, University of Maryland-College Park/Smithsonian Migratory Bird Center: Effective natal dispersal in migratory birds: Quantifying the reproductive costs of natal dispersal and winter habitat quality
- Elizabeth Schultz, University of California-Davis: Investigating seasonal modulation in immunity and reproduction in an opportunistic breeder
- Talia Sechley, University of Guelph: A novel mechanism linking climate change to fitness: multiple tests of the hoard-rot hypothesis in Gray Jays (*Perisoreus canadensis*)
- Glenn Seeholzer, Louisiana State University, Transcriptomic signatures of high-altitude adaptation
- Jose Roberto Sosa Lopez, University of Windsor: Morphological constraints and ecological adaptation in the evolution of *Troglodytes* wren songs
- Jennifer Walsh, University of New Hampshire: Testing for patterns of selection and Haldane's rule in an avian hybrid zone
- Michael Wells, University of Minnesota: Testing for novel indicators of kin-directed investment in a cooperative wren
- Jared Wolfe, Louisiana State University: The demographic and genetic response of bird communities to pervasive forest clearing in the central Amazonia

### 2011

- Amber Albores, University of Illinois: Factors affecting host selection and host use strategies of Brown-headed Cowbirds
- Michael Andersen, University of Kansas: Inferring process from pattern: using multi-locus coalescence analysis to investigate an insular avian hybrid zone



## AOU Research Award Recipients. 1999-2016

### Page 9

- Elizabeth Beckman, University of New Mexico: Gene flow and phylogenetic history in a rapid continental radiation: the South American siskins
- Alexandra Bentz, Appalachian State University: Influence of maternal effects on Tree Swallow (*Tachycineta bicolor*) offspring behavior and physiology
- Bhart-Anjan Bhullar, Harvard University: The deep evolutionary and molecular developmental origins of the bird face
- Pierre-Paul Bitton, University of Windsor: The evolution of trogons (Aves: Trogonidae): Phylogeny and plumage characteristics
- E. Keith Bowers, Illinois State University: Allocating offspring sex: robust daughters and sensitive sons?
- Ryan Germain, University of British Columbia: Effects of individual phenotype vs. nest site quality on reproductive success in birds
- Kira Delmore, University of British Columbia: Post-zygotic isolation in a migratory divide between Swainson's Thrushes
- Sarah Goodwin, University of Massachusetts-Amherst: Do neighbors matter? Spatial ecology and song performance in Chipping Sparrows
- Maricel Graña Grilli, Universidad Nacional de La Plata: Migration and carry over effects on Antarctic Skuas
- Julie Hart, University of Vermont: Climate change, premature seed fall, and the decline of crossbills
- Peter Hosner, University of Kansas: Testing the Pleistocene aggregate island diversification model in the Philippine archipelago
- Michelle Jusino, Virginia Polytechnic Institute and State University: Red-cockaded Woodpeckers and heartwood infecting fungi: a possible mutualism with conservation implications
- Kelsey Low, Villanova University: Plumage brightness and reproductive success of male Carolina Chickadees (*Poecile carolinensis*) and Black-capped Chickadees (*P. atricapillus*) in a dynamic hybrid zone
- James Maley, Louisiana State University: Selection on osmoregulatory genes in the salt glands of King and Clapper rails
- Matt McKim-Louder, University of Illinois: Post-fledging dispersal of a brood parasite, the Brown-headed Cowbird
- Emily McKinnon, York University: Carry-over effects of winter ecology on condition and spring migration strategy of Wood Thrush
- Joseph Niederhauser, University of Central Florida: Habitat differences in nestling survival: maladaptive responses to predators or food limitation?
- Jessica Oswald, University of Florida: Past and present: The biogeography of Peruvian tropical dry forest passerines
- Michael Polito, University of North Carolina-Wilmington: Oxidative stress and life history trade-offs in penguins
- Vanya Rohwer, Queen's University: Fitness consequences and selective mechanisms favoring local nest morphologies in Yellow Warblers (*Dendroica petechia*)
- Nathan Senner, Cornell University: Climate change and long-distance migrants

## AOU Research Award Recipients. 1999-2016

### Page 10

- Katherine Stryjewski, Boston University: Genomic consequences of sympatry and allopatry in an extraordinary avian radiation
- Jason Townsend, State University of New York: Use of stable isotopes to track mercury bioaccumulation and food web biomagnification in forest-dwelling *Catharus* thrushes
- Krystal Tsosie, Arizona State University: Putative role of glucose as a cryo-protective adaptation in birds
- Deborah Visco, Tulane University: Does nest predation cause declines of understory insectivores in fragmented Neotropical rainforest?
- Catherine Viverette, Virginia Commonwealth University: A comparative phylogeography and landscape genetic analysis of Chesapeake Bay Bald Eagle (*Haliaeetus leucocephalus*) and Osprey (*Pandion haliaetus*)
- Benjamin Winger, University of Chicago/The Field Museum: Understanding variability in avian speciation across biogeographic barriers
- Stephanie Wright, The Ohio State University: Innate predispositions in the song learning of Black-capped and Carolina chickadees

### 2010

- Sarah C. Alessi, Western Michigan University: Exploration of the rise and fall of family dynasties in the buff-breasted wren (*Thryothorus leucotis*) in Gamboa, Panama
- Susan Balenger, Auburn University: Searching for “good genes” in the House Finch (*Carpodacus mexicanus*)
- Nicholas Block, University of Chicago/Field Museum: Exploring cryptic diversity and phylogeography in an endemic malagasy passerine
- Julie E. Castner, Virginia Tech: Cultural divergence as a driver of genetic divergence in a tropical bird
- Rebecca Croston, City University of New York: Coevolution or epiphenomena: Avian perceptual modeling of the proximate basis of egg rejection in American Robin (*Turdus migratorius*)
- Nicole M. Davros, University of Illinois-Urbana-Champaign: An integrative approach to testing density effects in a migratory songbird
- Shane DuBay, University of New Mexico: Diversification along an elevational gradient in Tit-tyrants (Aves: Tyrannidae)
- Kristen Dybala, University of California-Davis: Linking weather and reproductive success: supplemental feeding and radio-telemetry
- Kyle Elliott, University of Manitoba: How can wild seabirds work hard and live long?
- Ashley E. Gam, University of Georgia: The role of corticosterone in primary sex ratio manipulation in Zebra Finches
- Morgan Gilmour, Bucknell University: Relationships between winter corticosterone levels, stable isotope signatures, and reproductive effort in Leach's Storm-Petrel
- Emily Johnston, Michigan State University: Characterizing resistance and tolerance of three passerine birds in response to two zoonotic pathogens: *Borrelia burgdorferi* and West Nile Virus

- Alexi Kimiatek, Plymouth State University: Does plumage grown overwinter predict breeding season success in male Canada Warblers (*Wilsonia canadensis*)
- Sarah A. Knutie, University of Utah: The woes of parenthood: the stress of an introduced nest parasite on Darwin's finches
- Andrea L. Liebl, University of South Florida: Silencing and un-silencing of the glucocorticoid receptor as a mechanism for range expansion
- Gustavo A. Londono, University of Florida: Physiological and behavioral trade-offs in avian incubation rhythms along an Andean elevational gradient
- Ari E. Martinez, University of Florida: Foraging ecology and interspecific communication in Amazonian mixed-species bird flocks
- Ann McKellar, Queen's University: Examining the relative effects of arrival date, individual condition, and territory quality on reproductive success in a migratory songbird
- Karl MoKross, Louisiana State University: Territory selection and area use patterns in Amazonian understory mixed-species flocks
- Mario B. Pesendorfer, University of Nebraska-Lincoln: Investigating the co-evolution of Island Scrub Jays and Island Scrub Oaks
- Mark Peterson, Indiana University: Seasonal profile of gene expression in the Dark-eyed Junco
- Jennifer Phillips, University of California-Davis: Color change is not just for chameleons: Phenotypic plasticity and Gloger's Rule
- Sara Elizabeth Pinson, University of Georgia: Effects of acute corticosterone on the primary sex ratio of laying hens
- Luke Losada Powell, Louisiana State University: Using home range estimates and 30 years of mist-nest captures to determine the effect of land use history on dispersal of Amazonian birds
- Andrea Price, University of Alaska-Fairbanks: Mechanistic basis of adaptation to high-altitude hypoxia in an Andean duck
- Alejandro Rico-Guevara, University of Connecticut: Nectar intake in hummingbirds: A study of a novel feeding mechanism
- Andrew Rush, University of California-Berkeley: A comparison of the role of song as an isolating mechanism in contact zones of different ages
- Judit Ungvari-Martin, University of Florida: Habitat specialization and community structure of birds in Amazonian forests
- Kara-Anne Ward, University of Windsor: Female mate search tactics in long-tailed manakins (*Chiroxiphia linearis*): A novel tracking system for monitoring social interactions
- David R. Wilson, University of Windsor: Mechanisms of sexual selection in a polygamous bird
- Natalie A. Wright, University of New Mexico: Towards a new island rule for birds

## AOU Research Award Recipients. 1999-2016

### Page 12

- Medhavi Ambardar, University of Wisconsin-Milwaukee: The effects of temperature and food abundance on breeding season length in single-brooded and double-brooded birds
- Gustavo A. Bravo, Louisiana State University: Phylogenetic analysis of phenotypic divergence in the antbirds (Thamnophilidae)
- Courtney Coon, University of South Florida: Are invasive House Sparrows (*Passer domesticus*) released from their natural pathogens?
- Allison Cox, University of Missouri: Natal dispersal of Red-bellied Woodpeckers (*Melanerpes carolinus*) in a fragmented landscape
- Emily R. A. Cramer, Cornell University: The effects of energy on song structure in House Wrens
- Raymond M. Danner, Virginia Tech: Cross-seasonal natural and sexual selection in a short distance migrant
- Heather Farrington, University of Cincinnati: Extinction in the Galapagos: using ancient DNA to determine genetic structure in historic populations of Darwin's finches
- Anna M. Forsman, Cornell University: Immune-based maternal effects in relation to microbial diversity across the breeding range of the Tree Swallow (*Tachycineta bicolor*)
- Samantha Franks, Simon Fraser University: Carry-over effects in a long-distance migratory shorebird: How do winter origin, foraging habitat, and age affect reproductive success
- Kristen B. Gorman, Simon Fraser University: Divergent population response by *Pygoscelis* penguins to rapid climate warming: nutritional and physiological stress mechanisms
- David Hof, University of Massachusetts: Reliability and maintenance of aggressive signals in Parulid warblers
- Joanna Hubbard, University of Colorado: Reading between the morphs: The genetic basis of continuous phenotypic variation
- Sara A. Kaiser, Washington State University: Adaptive significance of plasticity in hormone-mediated avian reproductive behaviors
- Tess Killpack, University of Wisconsin-Madison: Ontogeny of immune function in altricial birds and its response to resource limitation
- Jay McEntee, University of California-Berkeley: Bird song and sky island speciation
- Loren Merrill, University of California-Santa Barbara: Do female Brown-headed Cowbirds use vocal performance to assess male quality?
- Hernan Vazquez Miranda, University of Minnesota: Timing the times: a multi-locus analysis of avian diversification in Baja California
- Greg Mitchell, University of Guelph: Factors that limit individual performance of migratory songbirds during autumn migration
- Dana L. Moseley, University of Massachusetts-Amherst: Female preference development in the Swamp Sparrow
- Dawn O'Neal, Indiana University: Does immune function mediate differential migration in the Dark-eyed Junco?
- Eloisa Helena Reis Sari, University of Missouri-St. Louis: Colonization history and pathogens pressure in the Galapagos Flycatcher

## AOU Research Award Recipients. 1999-2016

### Page 13

- Allison Schultz, San Diego State University: The relative role of different color production mechanisms in the evolution of avian sexual dichromatism
- Jaclyn Smolinsky, University of Southern Mississippi: Factors influencing the migratory path of songbirds confronted with a large water body
- Calandra Stanley, York University: Tropical deforestation and the Wood Thrush (*Hylocichla mustelina*): Exploring the consequences of winter habitat quality and determining migratory connectivity
- David Swan, University of Western Ontario: Do cowbirds “farm” their hosts?
- Angela Tringali, University of Central Florida: Alternative explanations for the evolution of ornamental traits: tests of multiple hypotheses in juvenile Florida Scrub-Jays (*Aphelocoma coerulescens*)
- Michael E. Uffenbeck, University of Central Arkansas: Determining age and assessing fitness of passerines using telomere restriction fragment analysis
- Daniel Wetzel, University of Kentucky: A genetic basis of individual variation in parental care in wild birds?
- Matthew Wilkins, University of Colorado: Multimodal signaling and the evolution of reproductive isolation in two sympatric subspecies of the Barn Swallow, *Hirundo rustica*
- Stephanie G. Wright, Villanova University: Individual responses to song playbacks in the Black-capped (*Poecile atricapillus*) and Carolina (*P. carolinensis*) chickadee hybrid zone of southeastern Pennsylvania

### 2008

- Nicholas A. Barber, University of Missouri-St. Louis: Trophic impacts of insectivorous birds: Modification of plant defensive chemistry
- Miles Becker, University of Nevada-Reno: Parental condition and resource allocation between siblings: when do parents play favorites?
- Robert Bogardus, University of Wisconsin-Milwaukee: Plumage color, immunocompetence, and extra-pair mating in Tree Swallows
- Michael Butler, Arizona State University: The role of early life immune challenges and carotenoid availability on the development of adult immunocompetence and adult ornamentation
- Andres M. Cuervo, Louisiana State University: The evolutionary assembly of a species rich avifauna: Avian speciation and differentiation in the Andean cloud forests
- Karie Decker, University of Arizona: Examining seasonal variation in clutch size through correlative, comparative and experimental tests
- Matthew B. Dugas, University of Oklahoma: Signals of quality in nestling birds
- John A. Eimes, University of Wisconsin-Milwaukee: How do population bottlenecks affect MHC genetic variation, reproductive success and health in wild bird populations?
- Jacquelyn Grace, Wake Forest University: Androgen effects on cycle of violence in non-parental chick abuse in the Nazca Booby
- Kelly K. Hallinger, College of William and Mary: The effect of mercury contamination on memory in food-caching birds

- Elizabeth A. Hobson, New Mexico State University: Proximate determinants and ultimate fitness consequences of social network structure
- Frode Jacobsen, University of Maryland Baltimore County: Utility of nuclear introns to reconstruct species-level phylogenies: testing a well-supported mtDNA phylogeny of New World orioles (genus *Icterus*) using multiple z-linked introns
- Jennifer Koop, University of Utah: Avian defenses against feather-degrading bacteria
- Katherine Langin, Colorado State University: Food limitation along the slow-fast life history continuum in a passerine bird
- Russell Ligon, Auburn University: Exploring the adaptive significance of color and pattern in juvenile Eastern Bluebirds (*Sialia sialis*)
- Haw Chuan Lim, Louisiana State University: The effects of Pleistocene events on phylogeographic structure of southeast Asian birds: a multi-species approach
- Irene Liu, Duke University: Female eavesdropping and male song type matching in a songbird
- Scott R. Loss, University of Minnesota: Effects of exotic earthworm invasions on bird communities in northern hardwood forests
- Bailey McKay, University of Minnesota: Genetic consequences of House Finch (*Carpodacus mexicanus*) introductions
- Emily Morrison, Michigan State University: The influence of indirect and direct cues of predation risk on the behavior of birds in tropical forest restoration sites
- Luciano Nicholas Naka, Louisiana State University: Diversification processes inferred from avian contact zones in an interfluvium in northwestern Amazonia
- Karan Odom, University of Windsor: The ecology of duetting and communication networks of Barred Owls at three spatial scales
- Christina Riehl, Princeton University: Egg recognition and ejection in a communally breeding neotropical cuckoo
- Andrea Morales Rozo, Universidad de Los Andes: Evaluation of hypotheses explaining the origin and dynamics of hybrid zones in *Ramphocelus* tanagers (Thraupidae) in Colombia
- Elizabeth Scordato, University of Chicago: Using an avian ring species to test the role of multi-trait selection in speciation
- Stephanie A. Stickler, University of Oklahoma: Parent-offspring recognition in Cave Swallows
- Christopher Tonra, University of Maine: Migratory connectivity and breeding readiness in the American Redstart (*Setophaga ruticilla*)
- Jessica L. Waite, University of Utah: Linking immune response to parasite community dynamics
- Maxine Zylberberg, University of California-Davis: Behavior, immune function, and disease prevalence in Darwin's Finches

## AOU Research Award Recipients. 1999-2016

### Page 15

- Robert A. Aldredge, University of Central Florida: The influence of ambient temperature and incubation behavior on the hatching success of the Threatened Florida Scrub-Jay (*Aphelocoma coerulescens*)
- Kara L. Belinsky, University of Massachusetts: Color and song in Chestnut-sided Warblers: redundant signals or multiple messages?
- Catherine A. Bradley, University of Georgia: Linking avifaunal community assemblage to avian malaria lineage diversity and prevalence
- Curtis W. Burney, Louisiana State University: Testing for shared historical diversification in lowland neotropical birds using a comparative phylogeographic approach
- Molly Dickens, Tufts University: Investigating the mechanisms underlying the "stress" of relocation
- Quinn C. Emmering, Texas Tech University: Do songbirds assess nest-predation risk using auditory cues: experimental manipulation of a nest-predator vocalization
- Patricia J. Hartman, University of Kentucky: The role of habitat structure in extraterritorial movements of two hybridizing warblers
- Bobby Huang-Suo Hsu, University of Hawaii & Hilo: The transfer of maternal antibodies in Hawaii Amakihi
- Anya E. Illes, University of Washington: Sexual selection and elaborate female song in Stripe-headed Sparrows
- Jonathan P. Kelley, University of Washington: The effects of predation risk on the nest mortality in neotropical birds: the roles of landscape, behavior and physiology
- Corinne Kozlowski, University of Missouri-St. Louis: Differential yolk androgen allocation and sex specific effects of elevated androgens in Eastern Screech Owl nestlings
- Yun Kyoung Lee, University of Manitoba: Egg discrimination in an egg-color polymorphic species: is there sex-specific strategy of egg recognition
- Neil Losin, University of California-Los Angeles: Evolution of competitor recognition in an avian contact zone
- John McCormack, University of California-Los Angeles: Is blue egg color a sexually selected trait in Mexican Jays?
- Kelly Minton, College of William and Mary: Does prior mating experience affect subsequent mate preference of female Zebra Finches (*Taeniopygia guttata*)
- Jordan M. Moore, Cornell University: Neural correlates of song production and perception in acrocephaline warblers
- Valerie A. O'Brien, University of Tulsa: Role of Cliff Swallows in transmission and amplification of a poorly known arbovirus
- Kristina Paxton, University of Southern Mississippi: Assessment of intraspecific variation in migration strategies of a Neotropical migratory bird with stable isotopes
- Michelle A. Rensel, University of Memphis: Long-term effects of developmental stress in the Florida Scrub-Jay (*Aphelocoma coerulescens*)
- Christine M. Tracey-Richard, University of Florida: Is the composition of urban communities the result of changes in food resources and predation pressure?
- Sarah Rockwell, University of Maryland: The costs of migration and their influence on avian life history traits

## AOU Research Award Recipients. 1999-2016

### Page 16

- Melissa Rowe, University of Chicago: Mechanisms and dynamics of sperm competition in the Splendid Fairy-Wren: male investment in sperm numbers and quality
- Megan J. Sellick, University of Guelph: Geographic variation of stable-strontium isotopes ( $^{87}\text{Sr}$ ) in avian tissue: applications for tracking long-distance movements of passerines
- Sampath S. Seneviratne, Memorial University: Do elongated feathers function as sensory organs? An overlooked ornament function of a group of subarctic seabirds
- Kendra Sewall, University of California-Davis: Vocal learning and social barriers to intermixing
- Helen Sofaer, Colorado State University: Ecological factors affecting growth rates in Orange-crowned Warblers (*Vermivora celata*)
- Caitlin Stern, Cornell University: The influence of help on reproductive decision-making within cooperative groups
- Matthew B. Toomey, Arizona State University: Diet-dependence of carotenoid accumulation in the avian retina: an experimental test
- Travis E. Wilcoxon, University of Memphis: Reproductive senescence in the Florida Scrub-Jay (*Aphelocoma coerulescens*)

### 2006

- Mark D. Benson, Western Illinois University: Female cooperation and the evolution of conspecific brood parasitism
- Jennifer Bollmer, University of Missouri-St. Louis: MHC variation in the endangered Galapagos penguin: the effects of repeated bottlenecks, gene flow, and parasitism
- Isabel Caballero, University of Illinois-Chicago: Assessment of genetic variability on extirpated and reestablished Peregrine Falcons (*Falco peregrinus*) in the midwestern United States
- Matthew D. Carling, Louisiana State University: A genomic approach to testing introgression hypotheses in *Passerina* buntings
- David Cerasale, Cornell University: A putative role in the regulation of avian migratory behaviour
- Zachary A. Chevron, Louisiana State University: Climatological correlates of population genomic structure in the Rufous-collared Sparrow (*Zonotrichia capensis*)
- Lauren M. Costa, Princeton University: Seasonal influences on sleep dynamics in the House Sparrow, *Passer domesticus*
- Caroline Dingle, University of Cambridge: Evolution and function of duets in *Henicorhina* Wood-wrens
- Natalie Doerr, University of California-Santa Barbara: The effects of decoration supplementation on destructive events at bowers of Great Bowerbird (*Chlamydera nuchalis*)
- Rou Dor, Tel Aviv University: Genetic heritability of nestling begging and parental response in the House Sparrow (*Passer domesticus*)
- Jennifer Foote, Queen's University: Is the dawn chorus of Black-capped Chickadees an interactive communication network?



## AOU Research Award Recipients. 1999-2016

### Page 17

- Neil Goodenough, University of Western Ontario: Does raising a cowbird nestling exhaust a Song Sparrow parent?
- Emma Greig, University of Chicago: Honest signaling with a predator-induced call: a study of vocal communication in Splendid Fairy-wrens (*Malurus splendens*)
- Alex Jahn, University of Florida: Testing proximate hypotheses of bird migration in a forgotten migratory system
- Vinay (Julian) Andrew Kapoor, Max Planck Institute for Ornithology: Does urban noise promote reproductive isolation in songbirds?
- Mari Kimura, Cornell University: Local coadaptation between avian malaria parasites and mosquito vectors: an experimental approach
- Alberto Macias-Duarte, University of Arizona: Change in migratory behavior as a possible explanation for population declines of Burrowing Owls in northern latitudes
- J. Dylan Maddox, University of Illinois: Maternal effects on brood reduction in Common Grackles
- Melissa G. Meadows, Arizona State University: Iridescent structural coloration as a status signal in Anna's Hummingbird (*Calypte anna*)
- Maria G. Palacios, Iowa State University: Effects of age on parental allocation decisions in Tree Swallows
- Alexandra Rose, University of California-Santa Cruz: What generates the latitudinal gradient in clutch size? A comparative study of the importance of day length in breeding populations of Tree Swallows
- Kimberly Rosvall, Duke University: Flight ability may explain variation in female aggression: an experimental test using Tree Swallows (*Tachycineta bicolor*)
- Heather Shull, Boston University: Malaria resistance and MHC genotype of brood parasitic indigobirds
- Sarah B. Smith, Portland State University: An evaluation of the transmission of cloacal microbes during extra-pair mating in a socially monogamous songbird
- Merideth Swett, University of Texas at Austin: The role of prolactin in mediating morph-specific differences in parental effort in the White-throated Sparrow
- Christopher N. Templeton, University of Washington: Spatial movement patterns and song learning in Song Sparrows
- Andrew Vitz, Ohio State University: Habitat selection and survivorship of post-breeding mature-forest birds
- Emily Wheeler, University of Illinois, Urbana-Champaign: Nest microbial ecology, egg defenses and avian reproductive success
- Stefan Woltmann, Tulane University: Dispersal of *Myrmeciza exsul* in a fragmented tropical landscape

### 2005

- Allison Alvarado, University of California-Los Angeles: Subspecific differentiation in the Hermit Thrush: The role of migratory divides in promoting diversification
- Jonathan W. Atwell, Indiana University: Endocrine mechanisms of behavior and reproduction in a unique season strategist, the Phainopepla (*Phainopepla nitens*)

## AOU Research Award Recipients. 1999-2016

### Page 18

- Bradley H. Bakken, University of Wyoming: The osmoregulatory quandary of nectarivory: modeling the effect of body size on mechanisms of water balance
- Jon Beadell, University of Maryland-College Park: Disease, genetic bottlenecks and the evolution of immune response in island avifauna
- Frances Bonier, University of Washington: Life in the city: Physiological variation in urban-adapted birds
- Alaine F. Camfield, University of British Columbia: Environmental variability, reproductive success and parental effort in alpine populations of Horned Larks and Savannah Sparrows
- Sharon J. Coe, University of California-Riverside: The influence of temperature on avian reproduction
- Jamie M. Cornelius, University of California-Davis: Unraveling the complexity of nomadic migration: environmental and social effects on migratory physiology in Red Crossbills (*Loxia curvirostra*)
- Valentina Ferretti, Cornell University: Disentangling breeding synchrony from extra-pair paternity in birds
- Beth Hahn, University of Michigan: Habitat selection by a migratory songbird, the American Redstart (*Setophaga ruticilla*): the role of social facilitation and population density
- Brent Horton, University of Maine: Are adjustments in baseline corticosterone mediating reproductive trade-offs?
- Jill E. Jankowski, University of Florida: Interspecific territoriality as a mechanism for avian species replacements along tropical altitudinal gradients
- Jennifer B. Klomp, Portland State University: An evaluation of avian cloacal microbes with DGGE: Do microbes affect nesting success, health, return rates, and change with diet?
- Shana Lavin, University of Wisconsin: Is most nutrient absorption in birds passive?
- Daniel A. Levitis, University of California-Berkeley: Chemical defense in birds: Linking diet, toxicity and defense
- Jennifer L. Newbrey, North Dakota State University: Effect of female immune function on carotenoid tradeoffs in free-living Yellow-headed Blackbirds (*Xanthocephalus xanthocephalus*)
- Jacqueline K. Nooker, Kansas State University: Testosterone -mediated life history trade-offs in male Greater Prairie Chickens
- Juan Luis Parra, University of California-Berkeley: Mechanisms of diversification in Andean hummingbirds: Geographic isolation and non-random mating
- Noah Perlut, University of Vermont: Experimental manipulations of synchrony: the relationship between social and genetic mating systems
- Orothee Raulin, University of Pau and "Pays de l'Adour": Parent-offspring resemblance in dispersal behavior: which processes are involved? An experimental approach in the Collared Flycatcher (*Ficedula albicollis*)
- Matthew Reudink, Queen's University: Molting latitude, winter habitat, plumage quality, and mate choice in the American Redstart

## AOU Research Award Recipients. 1999-2016

### Page 19

- Orien Richmond, University of California-Berkeley: Incorporating temporal habitat variability into avian metapopulation dynamics
- Wendy M. Schelsky, University of Florida: Does what your neighbors do matter?
- Rachael E. Seabury, University of Texas-Austin: Endocrine regulation of physiology and behavior in fasting seabirds
- Daizaburo Shizuka, University of California-Santa Cruz: Multiple signals, dominance status, and behavior: The evolution of crown plumage in Golden-crowned Sparrows (*Zonotrichia atricapilla*)
- Wendy P. Tori, University of Missouri-St. Louis: Are female white-crowned manakins choosing mates to gain genetic heterozygosity for their offspring?
- Nina E. Triche, University of Texas-Austin: Systematics, biogeography and evolutionary history of fossil and extant penguins (Aves: Spheniscidae)
- Amy Wilson, University of British Columbia: Patterns and processes of intraspecific divergence in insular populations of Song Sparrows (*Melospiza melodia*)
- Paul Zwiars, Smithsonian Institution and University of Maryland: A test of MHC-dependent mate choice in the Satin Bowerbird (*Ptilonorhynchus violaceus*)

### 2004

- Michelle L. Beck, Washington State University: The influence of habitat modification on adult and nestling quality in the Prothonotary Warbler
- Lauryn Benedict, University of California-Berkeley: Adaptive functions of California Towhee duet song
- Melissa S. Bowlin, Princeton University: Wing shape and energy efficiency in the migratory Swainson's Thrush
- Johel Chaves, Purdue University: Factors promoting philopatry in Ocellated Antbirds
- Christopher J. Clark, University of California-Berkeley: Effects of body size and tail shape on maximal acceleration in hummingbirds
- Elizabeth Derryberry, Duke University: The impact of culture and selection on vocal performance: implications for song evolution
- tephania M. Doucet, Auburn University: Female choice and sexual ornamentation on lekking Long-tailed Manakins: do females choose good genes?
- Adam Felton, Australian National University: Reduced impact logging and the conservation of insectivorous understory birds in a Bolivian lowland tropical forest
- Rebecca Ann Fox, University of California-Davis: Personality and mate choice in Cockatiels
- Britt J. Heidinger, Indiana University: The influence of age on the hypothalamic-pituitary-adrenal (HPA) axis in the Common Tern
- Bethany Kempster, University of Western Ontario: Assessing the condition of Song Sparrow nestlings using stable nitrogen isotopes
- Michael J. Kuehn, University of California-Santa Barbara: Predicting the rate at which host defenses are lost in the absence of parasitism by Brown-headed Cowbirds
- Sonya C. LeClair, University of South Florida: Comparison of hatching failure in a wildland and suburban population of the Florida Scrub-Jay

## AOU Research Award Recipients. 1999-2016

### Page 20

- Kenneth M. Levenstein, Arkansas State University: Breeding ecology of the cooperatively polyandrous Galapagos Hawk: how many males are enough?
- Paulo E. Llambias, Cornell University: Causes of geographic variation in the House Wren breeding system
- Jennifer A. Long, University of Maine: Hormonal and cellular mechanisms of migratory fattening
- Joel W. McGlothlin, Indiana University: Static and dynamic sexual traits in Dark-eyed Juncos: evolutionary integration or alternative strategies?
- Allison Moody, University of Saskatchewan: Reproductive performance, body condition, and dietary analysis of Thick-billed Murres on Coats Island, Nunavut
- Courtney C. Murdock, University of Michigan: The interactions of food supplementation, stress, and parasite load on a wild population of White-crowned Sparrows in western Colorado
- Diana Cumings Outlaw, University of Memphis: The evolution of migration in Old World Flycatchers (*Ficedula*)
- Susan Ines Peluc, University of California-Riverside: The role of ecological factors in shaping nest site selection in songbirds
- Letitia M. Reichart, Washington State University: Conspecific brood parasitism in the Ruddy Duck
- Matthew W. Reudink, Villanova University: Do extra-pair fertilizations confound measures of reproductive success in a chickadee hybrid zone?
- Kristen Ruegg, University of California-Berkeley: The role of migratory behavior in the process of avian diversification
- Judith C. Scarl, Cornell University: Acoustic communication and mutual mate choice in an Australian Cockatoo, the Galah
- Matthew D. Shawkey, Auburn University: What is the production cost of structural plumage color?
- Laura Henderson Spinney, Princeton University: Hormonal mediation of alternate phenotypes in the White-throated Sparrow
- Andrea Kudrez Townsend, Cornell University: Evolutionary and ecological factors affecting distribution of congeneric todies of Hispaniola
- Jennifer Man-Ling Wang, University of California-Berkeley: Does microbial infection limit the viability of temperate bird eggs?

### 2003

- Alexa Bontrager, University of California-San Diego: Development and expression of a sexually selected trait: a field study
- Shannon N. Bouton, University of Michigan: The effect of multiple environmental stressors on the behavior, growth and survival of nestling Cliff Swallows
- Carlos Daniel Cadena, University of Missouri-St. Louis: Ecology, evolutionary history, and the distribution of Buarremon brush-finches: insights from ecological niche modeling, molecular systematics, and phylogeography

- Nicola Leanne Chong, University of Toronto and Royal Ontario Museum: The role of the MHC in mate choice of the Red-billed Gull
- Stephanie Correa, Cornell University: A mechanism for sex ratio manipulation in birds
- Maria Jose Fernandez, University of California-Berkeley: Air density and hovering aerobic cost in the Giant Hummingbird
- Aaron P. Gabbe, University of California-Santa Cruz: The effects of sucrose concentration on hummingbird foraging behavior: implications for the evolution of dilute sucrose concentration in hummingbird pollinated plants
- Julie C. Garvin, University of Wisconsin-Milwaukee: The effects of the immune system on extra-pair mate choice in socially monogamous bird populations
- Eben Goodale, University of Massachusetts: The adaptive benefits of vocal mimicry in a mixed-species flock participant
- Mark F. Haussmann, Iowa State University: An investigation of avian physiological mechanisms of aging
- Jill E. Jankowski, Purdue University: Distribution of endemic species in montane rainforest and implications for their persistence
- Frans Juola, Bucknell University: Seasonal bias in offspring sex ratios of Great Frigatebirds
- Jeremy J. Kirchman, University of Florida: Historical biogeography of rails in Oceania: a molecular and morphological study of *Gallirallus*
- Jessica L. Koederitz, University of Wisconsin-Milwaukee: The evolution of avian sexual dichromatism: an unbiased assessment in the ultraviolet and visible wavelengths
- Ellen Martinsen, University of Vermont: Diversity and host specificity of avian malaria parasites
- John E. McCormack, University of California-Los Angeles: A comparison of natural selection and genetic drift in promoting differentiation between populations of the Mexican Jay
- Kevin McGraw, Cornell University: The physiological costs of being colorful: how nutritional stress affects carotenoid utilization
- Borgia Mila, University of California-Los Angeles: Phylogeographic approaches to test the role of Pleistocene climate in the evolution of migration in New World passerines
- Kristen J. Navara, Auburn University: Differential allocation of yolk content in birds: do females play favorites?
- Christopher Olson, Iowa State University: Developmental consequences of thermal fluctuations to avian embryos
- Marc C. Pedersen, University of Wisconsin-Milwaukee: Extraterritorial movements of male and female Common Yellowthroats in relation to a male ornamental trait
- Sushma Reddy, Columbia University and American Museum of Natural History: Historical biogeography of southern Asia: investigating patterns of biotic assemblages and their relationships using endemic avian taxa
- James W. Rivers, University of California-Santa Barbara: Assessing the factors that influence begging intensity in a generalist brood parasite

## AOU Research Award Recipients. 1999-2016

### Page 22

- Katrina Gotia Salvante, Simon Fraser University: Physiology underlying the “cost of reproduction:” lipoprotein lipase activity and very-low density lipoprotein particle-size distribution in energy challenged birds
- Annette Sauter, University of Zurich: The effects of human-provided foods on Florida Scrub-Jay nestling growth and survival
- Adam M. Siepielski, New Mexico State University: Coevolutionary meanderings in the geographic mosaic of selection for Clark&rsquo;s Nutcrackers, bird-dispersed pines, and red squirrels
- Nicole A. Taylor, Boise State University: Sex ratio variation in Burrowing Owls: test of the Trivers and Willard hypothesis
- Gregor Yanega, University of Connecticut: Consequences of beak morphology for insectivory in North American hummingbirds
- Bethanne Zelano, University of Washington: Mate choice and the major histocompatibility complex in European Starlings

### 2002

- Sarah Al-Tamimi, University of Utah: Does feather melanization defend birds against ectoparasites?
- Alice Boyle, University of Arizona: Short distance migration in tropical fruit-eating birds
- Chris Butler, University of Oxford: Population biology of the introduced Rose-ringed Parakeet (*Psittacula krameri*) in the United Kingdom
- Karen Cavey, University of Illinois: Paternity and male parental investment in multiple broods of American Robins
- Zac A. Cheviron, Illinois State University: Genetic population structure of the Blue-crowned Manakin (*Pipra coronata*) across a proposed suture zone in east-central Peru
- Amy C. Dolan, Portland State University: Avian affairs: a study of Eastern Kingbird hidden breeding patterns
- Peter Dombrowski, University of Vermont: Effect of supplemental calcium on an arboreally foraging insectivore in a calcium depleted environment
- Patrick J. Doran, Dartmouth College: Causes and consequences of spatial variation in bird abundance and reproduction
- Jeffrey T. Foster, University of Illinois - Breeding and foraging ecology of five exotic birds in Hawaii
- Amanda M. Hale, University of Miami: Genetic analysis of the social structure and mating system of a Neotropical wood-quail
- Sarah Huber, University of Massachusetts: The origin and maintenance of song variation in Galapagos finches
- Meredith Hunter, University of Mississippi: The role of androgens in the onset of pre-nuptial molt of the American Goldfinch
- Maureen Leonard, University of New Mexico: The effects of eavesdropping on signal design in two species of birds

- Scott F. Lovell, University of Calgary: Neighbor-stranger discrimination and individual recognition by song in Alder Flycatchers (*Empidonax alnorum*)
- Daniel F. Mazerolle, University of Saskatchewan: Migratory patterns in White-throated Sparrows: tracing origins and destinations of migrating birds using stable isotopes
- Hope R. McGaha, University of Manitoba: Nestling competition of sympatric North American cowbirds: the role of flange and palate coloration
- William B. Monahan, University of California-Berkeley: Utilizing an historically documented founder population of the House Sparrow to predict and test microsatellite mutation rates
- Noah Owen-Ashley, University of Washington: Environmental regulation of immune defense in the White-crowned Sparrow along a latitudinal gradient
- Dustin R. Rubenstein, Cornell University: Evolutionary and physiological mechanisms of cooperative breeding in African Starlings
- Wendy M. Schelsky, University of Illinois: The influence of ecology and physiology on the mating system of Bartlett's Tinamou (*Crypturellus bartletti*)
- Matthew S. Schrader, Florida State University: Are parasite-mediated life history trade-offs important in the Red-bellied Woodpecker?
- Lynn Siefferman, Auburn University: Structural coloration in Eastern Bluebirds: an honest signal of male condition?
- Monica Carneiro da Silva, University of Washington: Is there MHC-disassortative mating in the Thin-billed Prion (Procellariiformes)?
- Thomas Small, Arizona State University: Environmental control of reproduction in the Rufous-winged Sparrow, *Aimophila carpalis*
- Mary Stapleton, Queen's University: Why do female Tree Swallows mate multiply? Testing the genetic compatibility hypothesis
- Christy Strand, Arizona State University: Effects of testosterone and photoperiod on vocal control regions and singing behavior of male House Finches
- Jose G. Tello, University of Illinois at Chicago: Understanding the evolution of Neotropical diversity: implications from phylogenetic patterns in two co-distributed avian genera
- Francois Vezina, Simon Fraser University: Energy management strategies and egg production costs in birds
- Brian G. Walker, University of Washington: Differential development of the adrenocortical stress-response in sibling Magellanic penguin (*Spheniscus magellanicus*) chicks
- Hira Alison Walker, University of New Mexico: Use of exotic and native vegetation by en route insectivorous Neotropical migrant landbirds
- Christopher C. Witt, Louisiana State University: Exploring the role of Central America to South America dispersal in the diversification of Neotropical birds: a case study using the motmots

## AOU Research Award Recipients. 1999-2016

### Page 24

- Eva Sanders Allen, Indiana University: Genetics of the hybrid zone between Bullock's Oriole and Baltimore Oriole
- Barbara Ballentine, Duke University: Does vocal performance influence female choice in Swamp Sparrows?
- Isabelle-Anne Bisson, Queen's University: Evolutionary origin of avian migration in a tropical kingbird
- Patricia L. R. Brennan, Cornell University: Mating strategies of the Great Tinamou, a species with uniparental male care
- Alexis Chaine, University of California-Santa Cruz: Sexual selection, signaling, and plumage variation in Lark Buntings
- Jill L. Deppe, University of California-Riverside: Selection of stopover habitat by trans-gulf Nearctic-Neotropical migrant landbirds in Yucatan, Mexico
- Joseph J. Fontaine, University of Montana: Nest predation and phenotypic expression in breeding birds
- Ada C. Fowler, University of California-Davis: Population structuring in Cackling Canada Geese
- Cameron Gillies, University of Alberta: Land cover change and bird movement in the tropical dry forests of Costa Rica
- Jennifer Grindstaff, Indiana University: Effects of the maternal environment on antibody transmission to eggs and the consequences for offspring growth and immune development
- Mark E. Hauber, Cornell University: Social experience and species recognition in brood parasites
- Dana M. Hawley, Cornell University: Immunocompetence as currency for carotenoid ornamentation in House Finches
- Michael M. Kasumovic, Queen's University: Settlement patterns and fitness consequences associated with territory position within a Least Flycatcher cluster
- Auston Marm Kilpatrick, University of Wisconsin-Madison: Evolution of host resistance to a new parasite: the effect of avian malaria on the breeding performance of a native Hawaiian honeycreeper, the Hawaii Amakihi
- Alan Krakauer, University of California-Berkeley: Reproductive coalitions in Wild Turkeys: Why do subordinate males stay?
- Elizabeth R. Loos, University of Louisiana at Lafayette: Clutch size limitation in precocial birds: beyond energetics
- Lynn B. Martin II, Princeton University: Is variation in House Sparrow life histories related to immunocompetence?
- Kevin David Matson, University of Missouri-St. Louis: Maintenance of immune system function in Hawaii's introduced birds
- Troy G. Murphy, Cornell University: An investigation into the function of elaborate plumage in the monomorphic Turquoise-browed Motmot
- Laura R. Nagy, Dartmouth College: Determinants of annual breeding productivity of a Neotropical migrant bird, the Black-throated Blue Warbler



## AOU Research Award Recipients. 1999-2016

### Page 25

- Jacqueline K. Nooker, University of Wisconsin-Milwaukee: An experimental study of female condition and offspring sex ratio in Tree Swallows
- Ryan Norris, Queen's University: Linking summer and winter events in a long-distance migratory bird
- Kathleen D. O'Connor, University of British Columbia: Effects of extra-pair fertilizations on estimates of effective population size
- Tara A. Paton, University of Toronto: Complete mitochondrial genome sequences to determine family-level relationships among the Charadriiformes: the affinities of Glariolids, Jacanas, Painted-snipes, Thick-knees, and Plovers
- Kevin M. Pilz, Cornell University: Do yolk androgens modify chick competitiveness? A test in the European Starling
- Rebecca Jo Safran, Cornell University: The role of individual decisions in forming population-level patterns: female reproductive strategies and variation in group-size of breeding Barn Swallows
- Justin Schuetz, Cornell University: Fickle females?: mate choice and the loss of elaborate tails in a group of African finches
- Elisa Tarlow, University of Illinois-Urbana-Champaign: Energetic costs of passerine migration
- Rebecca Tittler, University of Quebec-Montreal:  $^{15}\text{N}$  levels and songbirds in agricultural and forest landscapes
- Jason D. Weckstein, Louisiana State University: A cophylogenetic analysis of avian hosts and their parasites: toucans and chewing lice
- Morgan Wilson, University of Mississippi: Adaptations for reproducing under different time and energy constraints by the Yellow Warbler

### 2000

- Daniel R. Ardia, Cornell University: Geographic variation in interactions among individual quality, immune function and reproductive effort
- Elena C. Berg, University of California-Davis: Reproductive cooperation and conflict in the White-throated Magpie-Jay (*Calocitta formosa*)
- Peter Christie, Queen's University: Song structure and mate choice from a distance in Black-capped Chickadees
- Mario Cohn-Haft, Louisiana State University: Biogeographic patterns of morphological, vocal, and genetic variation in Amazonian *Hemitriccus* flycatchers
- Emily H. DuVal, University of California-Berkeley: Cooperative mating display in the Lance-tailed Manakin (*Chiroxiphia lanceolata*)
- Mark E. Hauber, Cornell University: Conspecific recognition in a brood parasitic bird
- Jeffery A. Johnson, University of Wisconsin-Milwaukee: Conservation genetics of the Greater Prairie Chicken
- Daniel Joshua Mennill, Queen's University: The ecology and evolution of female eavesdropping and female choice of extra-pair partners
- Troy Murphy, Cornell University: Sexual selection and assortative pairing in the Turquoise-browed Motmot (*Eumomota superciliosa*)

## AOU Research Award Recipients. 1999-2016

### Page 26

- Jennifer Owen, University of Southern Mississippi: Avian immune function and the energetic demands of long-distance migration
- Sunshine A. Van Bael, University of Illinois: Avian insectivory in neotropical forest canopies
- Matthew Wasson, Cornell University: An experimental investigation of calcium limitation in the reproduction of a North American passerine bird
- Pamela Yeh, University of California-San Diego: Evolution of the Dark-eyed Junco following invasion of a novel habitat

### 1999

- Alexandre Aleixo, Louisiana State University: Systematics, molecular phylogeography, and evolution of Amazonian Xiphorhynchus woodcreepers
- Anne M. Bartuszevige, Illinois State University: Organochlorine contamination and gonadal abnormalities in Illinois grassland birds: A test of the endocrine disruption hypothesis
- Alison L. Chubb, University of California-Berkeley: Molecular evolution and phylogenetic utility of the ZENK gene in birds
- Jennifer Gee, Princeton University: Causes and consequences of hybridization in California and Gambel's quails
- Melissa Hughes, University: The function of song repertoires in Song Sparrows: Female choice for extra-pair mates
- Jason Alan Mobley, University of California-Berkeley: Molecular phylogenetics, historical ecology, and the evolution of nest building in the kingbirds and their allies
- Robert G. Moyle, Louisiana State University: A coalescent approach to understanding genetic diversity and endemism in Borneo
- Kazuya Naoki, Louisiana State University: Community evolution in Andean tanagers of the genus *Tangara*
- Timothy H. Parker, University of New Mexico: Separating heritability of male condition from the effects of cryptic female choice in the Red Junglefowl
- Stanislav Pribil, University of Miami: Experimental test of the 'polygyny threshold' model
- Sabrina Russo, University of Illinois: Structure of a neotropical frugivore community: the role of size-abundance relationships
- Andrea Louise Smith, Queen's University: Effects of oceanographic structure and prey characteristics on seabird distributions in a dynamic coastal marine system
- Julie Smith, New Mexico State University: The role of coevolution in promoting reproductive isolation in Red Crossbills
- Brett Walker, University of Montana: What drives honest signaling of pairing status by males? Tests of the 'wedding ring' and 'reproductive optimization' hypotheses