CURRICULUM VITAE

## ESTEBAN FERNÁNDEZ-JURICIC

# Professor of Biological Sciences

**Showalter Faculty Scholar**

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| Citizenship | Born in Argentina (1971); Naturalized US Citizen |
| Address: | G-325 Lilly Hall915 W. State StreetDepartment of Biological SciencesPurdue UniversityWest Lafayette IN 47907, USA |
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# ACADEMIC PREPARATION AND HONORS

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| Undergraduate education1990 – 1995 | Degree obtained: Biologist Specialization: EcologyWith HonorsUniversity of Córdoba, *ARGENTINA*.  |
| Graduate education1996 – 2000 | Degree obtained: Philosophy Doctor (Ph.D.) Specialization: Animal EcologyDepartment of Animal Biology Universidad Complutense de Madrid, *SPAIN*. |
| Post-doctoral experience2000 – 20012001 – 2003 | Department of Zoology. University of Oxford. *UNITED KINGDOM.*Department of Ecology, Evolution and Behavior. University of Minnesota. *USA.*  |

**Research areas**: evolutionary ecology, visual ecology, behavioral ecology, conservation ecology

**Methodological approaches:** semi-natural experiments, robotic animals, field work, museum specimens, comparative methods, avian eye tracking, bright and fluorescence microscopy, microspectrophotometry, electroretinography, ophthalmic reflex visual field technique, spectrometry, perceptual modeling.

# Professional Activities

**PREVIOUS POSITIONS**

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| December 1994 – February 1995 | Research Project Manager at Peninsula Valdes, Argentina. Wildlife Conservation International and Minority International Research Training Program (National Science Foundation, USA). |
| March 1996 – November 1996 | Lecturer. University of Córdoba, Argentina. |
| January 1996 – November 1996 | Lecturer. The Open University, Córdoba, Argentina. |
| March 1996 – November 1996 | Endangered species Project Director. The Open University, Córdoba, Argentina.  |
| June 1998 – December 1999 | Project Consultant (ARAUCARIA Program for biodiversity conservation in Latin America). Pangea Consultores and Spanish Agency for International Cooperation, Madrid, Spain. |
| January 1999 – May 2000 | Director (Urban Ecology Group). Madrid, Spain. |
| June 2000 – October 2001 | Research Associate at the Department of Zoology, University of Oxford (United Kingdom).  |
| October 2001 – July 2003 | Research Associate at the Department of Ecology, Evolution and Behavior (University of Minnesota, USA). |
| August 2003 – January 2009 | Assistant Professor, Department of Biological Sciences, California State University Long Beach. |
| January 2009 – August 2009 | Assistant Professor, Department of Biological Sciences, Purdue University. |
| August 2009 – August 2014 | Associate Professor, Department of Biological Sciences, Purdue University. |

**PRESENT POSITION:** (from August 2014 to present): Professor, Department of Biological Sciences, Purdue University.

###### AWARDS and HONORS

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| 1995 | Young Biologist Award. Municipality of Córdoba, Argentina.  |
| 1995 | Honorary Mention, Highest GPA in Biological Sciences. University of Córdoba, Argentina. |
| 1998-2000 | Doctoral fellowship. Funding agency: Spanish Agency for International Cooperation, Spain.  |
| 2000-2001 | Post-doctoral fellowship. University of Oxford, UK. Funding agency: National Research Council, Argentina.  |
| 2001-2003 | Post-doctoral fellowship. University of Minnesota, USA. Funding agency: “la Caixa” Foundation, Spain. Awarded by Juan Carlos I, King of Spain. |
| 2010 | 2009 National Wildlife Research Center – USDA – Outstanding Publication Award for the paper entitled “Avian visual configuration and behavioural response to object approach” published in Animal Behaviour. |
| 2013 | 2012 National Wildlife Research Center – USDA – Outstanding Publication Award for the paper entitled “Exploiting avian vision with aircraft lighting to reduce bird strikes” published in the Journal of Applied Ecology.  |
| 2013 | College of Science Research Award. Purdue University. |
| 2014 | University Faculty Scholar. Purdue University. |
| 2014 | Showalter Faculty Scholar. Purdue University. |
| 2016 | 2015 National Wildlife Research Center – USDA – Outstanding Research Publication Award for the paper entitled “Speed kills: ineffective avian escape responses to oncoming vehicles” published in Proceedings of the Royal Society of London B. |
| 2018 | Voted President-Elect of the Animal Behavior Society.  |
| 2018 | Elected Fellow of the Animal Behavior Society.  |

**SCHOLARLY ACTIVITIES**

###### AWARDED RESEARCH GRANTS AS PI/CO-PI

***Before Purdue appointment***

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| 1996 | Bird Life International & “Asociacion Ornitologica del Plata” (Argentina). Role: PI. Vocalizations of parrots in the Argentinean Chaco. Amount: $250.  |
| 1997 | Ministry of Education, Argentina. Role: PI. Human-wildlife interactions in protected areas: the role of behavior to predict wildlife responses. Amount: $1,500. |
| 1999 | Queen Sofia Grant, Spain. Role: PI. Urban sprawl as forest fragmentation agent in natural landscapes. Amount: $5,000. |
| 2000 | Municipality of Madrid, Spain. Role: PI. Wooded streets as wildlife corridors in urban environments. Amount: $1,650. |
| 2000 | Argentinean Research Council. Role: PI. The evolutionary role of neighbor distance in social foraging. Amount: $1,000. |
| 2001/2002 | “la Caixa” Foundation, Spain. Role: PI. Effects of visual perception on the coordination of vigilance behavior. Amount: $3,000. |
| 2003 | Scholarly and Creative Activities Committee (California State University Long Beach): Mini-grant. Role: PI. Group size vs. neighbor distance: which drives the changes in feeding and vigilant behavior in animal groups? Amount: $4,000. |
| 2004-2008 | Funding support for undergraduate research (8 students) from Howard Hughes Medical Institute, Southern California Academy of Sciences, Research Initiative for Scientific Enhancement (RISE) Program (NHI), and Bridges to the Baccalaureate Program for Underrepresented Students (NIH), totaling $9,850.  |
| 2005-2006 | British Petroleum Leader Award. Role: Co-PI. Responses of wildlife to patterns of human recreation. Implications for the development of a green corridor in Chicago. Amount: $45,000. |
| 2005-2006 | Scholarly and Creative Activities Committee (California State University Long Beach): 3 units of release time. Role: PI. Developing a management tool to balance increasing recreational activities in protected areas with wildlife conservation. Amount: $8,168.  |
| 2006 | Scholarly and Creative Activities Committee (California State University Long Beach): Mini-grant. Role: PI. How do birds see the world? Effects of visual perception on acquiring information about predation. Amount: $4,000. |
| 2006 | Mini-grant Department of Biological Sciences (California State University Long Beach). Role: PI. Inter-specific differences in avian visual fields. Amount: $4,000.  |
| 2006-2007 | Bureau of Reclamation. Department of Interior. Role: PI. Identification of individual and population level variation in Southwestern Willow Flycatcher (*Empidonax traillii extimus*) vocalizations: applications for tracking individuals in time and space. Amount: $20,000. |
| 2006-2008 | Orange County Vector Control District. Role: PI. Genetic variability and gene flow in house finch populations in Orange County: implications for the spread of West Nile Virus. Amount: $10,000. |
| 2006-2007 | USDA/APHIS/WS - National Wildlife Research Center. Role: PI. Visual acuity and visual fields of two bird species implicated in bird-aircraft collisions: Brown-headed Cowbird and Mourning Dove. Amount: $6,500. |
| 2007-2009 | Nature Reserve of Orange County. Role: Co-PI. A Novel Approach for the Estimation of Buffer Areas to Protect Endangered and Threatened Species. Amount: $2,000. |
| 2007-2009 | National Institutes of Health (SCORE program). Role: PI. Developing an alternative animal model system to study the biological basis of visual social perception. Amount: $208,333. |
| 2007-2010 | National Science Foundation. Role: PI. The effects of the trade-off between visual acuity and visual fields on anti-predator behavior in social foraging birds. Amount: $164,995 |

***Since Purdue appointment***

***External funding awarded***

- Role: PI. Effects of the trade-off between visual acuity and visual fields on anti-predator behavior in social foraging birds. Funding agency: National Science Foundation. Period: 2009-2011. Total award: $142,070

**- Role: PI.** Visual properties of the Canada goose: Implications for bird-aircraft collision. Funding agency: US Department of Agriculture. Period: 2009-2011. Total award: $25,500.

- Role: PI. Improving the effectiveness of an automatic system to deter birds with different visual systems from airports. Funding agency: Bird Raptor International. Period: 2009-2011. Total award: $102,252.

**- Role: PI.** Different in seed consumption in bird feeders under different ecological conditions. Funding agency: Kaytee Avian Foundation. Period: 2009. Total award: $2,000.

- Role: Co-PI. PI: Pat Zollner (FNR – Purdue). Using virtual ecology techniques to inform the recreational planning of Fort Harrison State Park. Funding agency: Indiana Department of Natural Resources. Period: 2010. Total award: $12,800.

**- Role: PI.** An experimental test of bird-feeder color preferences in finches. Funding agency: Kaytee Avian Foundation. Period: 2010-2011. Total award: $12,860.

- Role: PI. Developing an onboard alert system to minimize bird collisions with aircraft. Funding agency: Lindbergh Foundation. Period: 2011-2012. Total award: $10,550.

- Role: PI. How do American Goldfinches (*Carduelis tristis*) see bird feeders and seeds? Applications for the backyard bird feeding industry. Funding agency: Central Garden & Pet Inc. Period: 2011-2012. Total award: $24,200.

**- Role: PI.** Temporal visual resolution in birds: implications for bird-strikes. Funding agency: US Department of Agriculture. Period: 2011-2013. Total award: $42,162.

- Role: PI. The effects of military working dogs on nesting California least tern and western snowy plover at Naval Base Coronado, San Diego, California. Funding agency: US Army Corps of Engineers. Period: 2012-2016. Total award: $148,687.

- Role: PI. Effect of radar on bird behavior. Funding agency: US Department of Agriculture. Period: 2010-2015. Total award: $179,615.

- Role: PI. Understanding behavioral predator-prey interactions from a visual sensory perspective. Funding agency: National Science Foundation. Period: 2012-2017. Total award: $385,000.

**- Role: PI. Collaborative proposal (with Iain D. Couzin - Princeton University). The perceptual basis of collective behavior in a model vertebrate. Funding agency:** National Science Foundation **(EAGER program).** Period: 2013-2016. **Total award: $180,000.**

**- Role: PI.** Retinal physiology of red-winged blackbirds: implications for human-wildlife conflicts. Funding agency: US Department of Agriculture. Period: 2014-2016. **Total award: $36,000.**

**- Role: PI. A novel method to minimize bird strikes through onboard lighting systems.** Funding agency: US Department of Agriculture. Period: 2014-2016. **Total award: $299,114**

**- Role: Co-PI (with PI** Robert Magrath - Australian National University**).** Not lost in translation: how to get information from other species' calls? **Funding agency:** Australian Research Council**.** Period: 2015-2018. **Total award: $336,605.**

**- Role: PI. Effects of lasers for seabird bycatch prevention on avian retinal health. Funding agencies: Packard Foundation and National Fish and Wildlife Foundation.** Period: 2016-2019. **Total award: $254,000.**

- Role: PI. Mosaic Reflective Surfaces as Avian Collision Deterrents. **Funding agency:** InnoSense LLC. Period 2016-2017. Total award: $45,000

- Role: PI. Reducing collisions between birds and solar panels. **Funding agency:** Lynntech Inc. Period 2016-2017. Total award: $44,000.

**- Role: PI. A novel method to minimize bird strikes through onboard lighting systems (PHASE 2).** Funding agency: US Department of Agriculture. Period: 2016-2018. **Total award: $**230,667

**-** Role: PI. Understanding the Eagle Sensory World to Enhance Detection and Response to Wind Turbines. **Funding agency:** Department of Energy. Period 2017-2019. Total award: $300,000.

**-** Role: PI. Understanding the Golden and Bald Eagle sensory worlds to enhance detection and response to wind turbines. **Funding agency:** Avangrid Renewables. Period 2017-2019. Total award: $226,000.

- Role: PI. Avian Vision Integrated Deterrent (AVID – Phase II). Funding organizations: US Air Force and Lynntech, Inc. Period: 2018-2020. Total award: $350,000. Status: award is being setup.

***Internal funding*** ***awarded***

**-** 2010 International Travel Grant. Purdue Research Foundation. Period: 2010. Total award: $1,000.

###### AWARDED RESEARCH GRANTS AS RESEARCH ASSOCIATE

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| 2006-2009 | Beckman Scholars Program to support research activities of outstanding undergraduates. Role: Research Associate.  |
| 2009-2011 | National Evolutionary Synthesis Center (funded by NSF). International workgroup to synthesize information on the evolution of visual systems in vertebrates. Role: Research Associate.  |

**PUBLICATIONS**

**(\* indicates undergraduate student participating as co-author)**

*Book:*

Blumstein, D.T. & E. **Fernández-Juricic**. 2010. A Primer of Conservation Behavior. Sinauer Associates, Sunderland. ISBN 978-0-87893-401-0

*Scientific publications (162):*

Fernández, J.L., J.D. Perez Ávila, R. Pinkevicius, M. de la Colina, J. Gómez & E. **Fernández-Juricic**. 1997. Response to treatments with neoadjuvancy and surgery of patients with no-small lung cancer (stages IIIa and IIIb). REVISTA ARGENTINA DE CIRUGÍA 73:6-8. (In Spanish with summary in English)

**Fernández-Juricic**, E., E.V. Alvarez & M.B. Martella. 1997. Seasonal variation in the abundance of Blue-crowned Conures (*Aratinga acuticaudata*) at the Chancaní Reserve, Córdoba, Argentina. HORNERO 14:259-262. (In Spanish with summary in English)

**Fernández-Juricic**, E., E.V. Alvarez & M.B. Martella. 1998. Vocalizations of Blue-crowned Conures (*Aratinga acuticaudata*) in the Chancaní Reserve, Córdoba, Argentina. ORNITOLOGÍA NEOTROPICAL 9:31-40.

**Fernández-Juricic**, E., M.B. Martella & E.V. Alvarez. 1998. Vocalizations of the Blue-fronted Amazon (*Amazona aestiva*) in the Chancaní Reserve, Córdoba Argentina. WILSON BULLETIN 110: 352-361.

**Fernández-Juricic**, E., E.V. Alvarez & M.B. Martella. 1998. Current status of the Blue-fronted Amazon in the Southern border of its distributional range. ARDEOLA 45:77-82. (In Spanish with summary in English)

**Fernández-Juricic**, E., C. Campagna, V. Enriquez & C.L. Ortiz. 1999. Vocal communication and individual variation in breeding South American sea lions. BEHAVIOUR 136: 495-517.

**Fernández-Juricic**, E. & J.L. Tellería. 1999. Recruitment patterns of blackbirds (*Turdus merula*) in urban fragmented populations. ARDEOLA 46:61-70.

**Fernández-Juricic**, E & M.B. Martella. 2000. Guttural calls of Blue-fronted Amazons: structure, context, and their possible role in short-range communication. WILSON BULLETIN 112:35-43.

**Fernández-Juricic**, E. & J.L. Tellería. 2000. Effects of human disturbance on blackbird (*Turdus merula*) spatial and temporal feeding patterns in urban parks of Madrid (Spain). BIRD STUDY 47:13-21.

**Fernández-Juricic**, E. 2000. Fragmentation affects winter flock formation of an insectivorous guild. ARDEA 88: 235-242.

**Fernández-Juricic**, E. 2000. Local and regional effects of pedestrians on forest birds in a fragmented landscape. CONDOR 102:247-255.

**Fernández-Juricic**, E. 2000. Conservation education: the need for regional approaches supporting local initiatives. WILDLIFE SOCIETY BULLETIN 28:164-167.

**Fernández-Juricic**, E. 2000. Avifaunal use of wooded streets in an urban landscape. CONSERVATION BIOLOGY 14:513-521.

**Fernández-Juricic**, E. 2000. Bird community composition patterns in urban parks of Madrid: the role of age, size and isolation. ECOLOGICAL RESEARCH 15:373-383.

Tellería, J.L., J. Pérez-Tris, A. Ramírez\*, E. **Fernández-Juricic** & R. Carbonell. 2001. Distribution of robins *Erithacus rubecula* in wintering grounds: effects of conspecific density, migratory status and age. ARDEA 89:363-373.

**Fernández-Juricic**, E. 2001. Density dependent habitat selection of corridors in a fragmented landscape. IBIS 143:278-287.

**Fernández-Juricic**, E., C. Campagna, V. Enriquez, & C.L. Ortiz. 2001. Vocal rates and social context in male South American sea lions. MARINE MAMMAL SCIENCE 17:387-396.

**Fernández-Juricic**, E. & J. Jokimäki. 2001. A habitat island approach to conserving birds in urban landscapes: case studies from southern and northern Europe. BIODIVERSITY AND CONSERVATION 10:2023-2043.

**Fernández-Juricic**, E. 2001. Avian spatial segregation at edges and interiors of urban parks in Madrid, Spain. BIODIVERSITY AND CONSERVATION 10: 1303-1316.

**Fernández-Juricic**, R. Sanz\* & E.A. Sallent\*. 2001. Frequency-dependent predation by birds at edges and interiors of woodland. BIOLOGICAL JOURNAL OF THE LINNEAN SOCIETY 73:43-49.

**Fernández-Juricic**, E., M.D. Jimenez\* & E. Lucas\*. 2001. Bird tolerance to human disturbance in urban parks of Madrid. Spain. Management Implications. Avian Ecology and Conservation in an Urbanizing World (eds J. M. Marzluff, R. Bowman & R. Donnelly), pp. 261-275. Kluwer Academic, Norwell, MA, USA.

**Fernández-Juricic**, E., M.D. Jimenez\* & E. Lucas\*. 2001. Alert distance as an alternative measure of bird tolerance to human disturbance: implications for park design. ENVIRONMENTAL CONSERVATION 28:263-269.

Alonso, W.J. & E. **Fernández-Juricic**. 2002. Regional network raises profile of local journals. NATURE 415:471-472 (Correspondence section)

**Fernández-Juricic**, E. 2002. Can human disturbance promote nestedness? A case study with birds in an urban fragmented landscape. OECOLOGIA 131:269-278.

**Fernández-Juricic**, E., M.D. Jimenez\* & E. Lucas\*. 2002. Factors affecting intra- and inter-specific variations in the difference between alert and flight distances in forested habitats. CANADIAN JOURNAL OF ZOOLOGY 80:1212-1220.

**Fernández-Juricic**, E. 2002. Nested patterns of species distribution and winter flock occurrence of insectivorous birds in a fragmented landscape. ECOSCIENCE 9: 450-458.

**Fernández-Juricic**, E., W.J. Alonso & C. Schuck-Paim. 2002. Peer-review to select academic job applicants. NATURE 420:16. (Correspondence section).

**Fernández-Juricic**, E., C. Campagna & D. San Mauro\*. 2003. Variations in the arrangement of South American sea lion male vocalizations during the breeding season: patterns and contexts. AQUATIC MAMMALS 29: 289-296.

**Fernández-Juricic**, E., A. Sallent\*, R. Sanz\* & I. Rodríguez-Prieto. 2003. Testing the risk-disturbance hypothesis in a fragmented landscape: nonlinear responses of House Sparrows to humans. CONDOR 105: 316-326.

Cassini, M.H. & E. **Fernández-Juricic**. 2003. Costs and benefits of joining South American sea lion breeding groups: testing the assumptions of a model of female breeding dispersion. CANADIAN JOURNAL OF ZOOLOGY 81: 1154-1160.

**Fernández-Juricic**, E. & N. Schroeder\*. 2003. Do variations in scanning behavior affect tolerance to human disturbance? APPLIED ANIMAL BEHAVIOUR SCIENCE 84:219-234.

**Fernández-Juricic**, E., J.T. Erichsen & A. Kacelnik. 2004. Visual perception and social foraging in birds. TRENDS IN ECOLOGY AND EVOLUTION 19: 25-31.

**Fernández-Juricic**, E., R. Vaca\* & N. Schroeder\*. 2004. Spatial and temporal responses of forest birds to human approaches in a protected area and implications for two management strategies. BIOLOGICAL CONSERVATION 117: 407-416.

**Fernández-Juricic**, E. & A. Kacelnik. 2004.Information transfer and gain in flocks: the effects of quantity and quality of social information at different neighbour distances. BEHAVIORAL ECOLOGY AND SOCIOBIOLOGY 55: 502-511.

**Fernández-Juricic**, E., S. Siller & A. Kacelnik. 2004.Flockdensity, social foraging and scanning: an experiment with starlings. BEHAVIORAL ECOLOGY 15: 371-379.

**Fernández-Juricic**, E. 2004. Spatial and temporal analysis of the distribution of forest specialists in an urban-fragmented landscape (Madrid, Spain). Implications for local and regional bird conservation. LANDSCAPE AND URBAN PLANNING 69: 17-32.

Blumstein, D.T., E. **Fernández-Juricic**, O. LeDee, E. Larsen, I. Rodriguez-Prieto*\** & C. Zugmeyer. 2004. Avian risk assessment: effects of perching height and detectability. ETHOLOGY 110: 273-285.

**Fernández-Juricic**, E., J. Jokimäki, J. McDonald*\**, F. Melado*\**, A. Toledano*\**, C. Mayo*\**, B. Martín*\**, I. Fresneda*\** & V. Martín*\**. 2004. Effects of opportunistic predation on anti-predator behavioural responses in a guild of ground foragers. OECOLOGIA 140: 183-190.

Beauchamp, G. & E. **Fernández-Juricic**. 2004. Is there a relationship between forebrain size and group size in birds? EVOLUTIONARY ECOLOGY RESEARCH 6: 833-842.

Cassini, M.H., D. Szteren & E. **Fernández-Juricic**. 2004. Fence effects on the behavioural responses of South American fur seals towards tourist approaches. JOURNAL OF ETHOLOGY 22: 127-133.

Blumstein, D.T. & E. **Fernández-Juricic**. 2004. The emergence of conservation behavior. CONSERVATION BIOLOGY 18: 1175-1177.

**Fernández-Juricic**, E., B. Kerr, P.A. Bednekoff, D.W. Stephens. 2004. When are two heads better than one? Visual perception and information transfer affect vigilance coordination in foraging groups. BEHAVIORAL ECOLOGY 15: 898-906.

Stephens, D.W., B. Kerr & E. **Fernández-Juricic**. 2004. Impulsiveness without discounting: the ecological rationality hypothesis. PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON B 271: 2459-2465.

Rodríguez-Prieto, I. & E. **Fernández-Juricic**. 2005. Effects of direct human disturbance on the endemic Iberian frog *Rana iberica* at individual and population levels. BIOLOGICAL CONSERVATION 123: 1-9.

**Fernández-Juricic**, E., R. Smith & A. Kacelnik. 2005. Increasing the costs of conspecific scanning in socially foraging starlings affects vigilance and foraging behaviour. ANIMAL BEHAVIOUR 69: 73-81.

Beauchamp, G. & E. **Fernández-Juricic**. 2005. The group size paradox: effects of learning and patch departure rules. BEHAVIORAL ECOLOGY 16: 352-357.

Jokimäki, J., Kaisanlahti-Jokimäki, M.-L., Sorace, A., **Fernández-Juricic**, E. Rodriguez-Prieto*\**, I. & M.D. Jimenez*\**. 2005. Evaluation of the “safe nesting zone” hypothesis across an urban gradient: a multi-scale study. ECOGRAPHY 28: 59-60.

Blumstien, D.T., E. **Fernández-Juricic**, P.A. Zollner & S.C. Garity. 2005. Inter-specific variation in avian responses to human disturbance. JOURNAL OF APPLIED ECOLOGY 42: 943-953.

**Fernández-Juricic**, E., P. Venier\*, D. Renison& D.T. Blumstein. 2005. Sensitivity of wildlife to spatial patterns of recreationist behavior: a critical assessment of minimum approaching distances and buffer areas for grassland birds. BIOLOGICAL CONSERVATION 125: 225-235.

**Fernández-Juricic**, E., R. Poston, K. De Collibus, T. Morgan, B. Bastain, C. Martin, K. Jones & R. Treminio. 2005. Microhabitat selection and singing behavior patterns of male house finches (*Carpodacus mexicanus*) in urban parks in a heavily urbanized landscape in the Western U.S. URBAN HABITATS 3 (2): ISSN 1541-7115. http://www.urbanhabitats.org/v03n01/finch\_pdf.pdf

Devereux, C.L., M.J. Whittingham, E. **Fernández-Juricic**, J.A. Vickery& J.R. Krebs. 2006. Predator detection and avoidance by starlings under differing scenarios of predation risk. BEHAVIORAL ECOLOGY 17: 303-309.

**Fernández-Juricic**, E., N. Gilak\*, J.C. McDonald\*, P. Pithia\* & A. Valcarcel\*. 2006. A dynamic method to study the transmission of social foraging information in flocks using robots. ANIMAL BEHAVIOUR 71: 901-911.

**Fernández-Juricic**, E., D.T. Blumstein, G. Abrica\*, L. Manriquez\*, L. Bandy Adams\*, R. Adams\*, M. Daneshrad\* and I. Rodriguez-Prieto. 2006. Relationships of anti-predator escape and post-escape responses with body mass and morphology: a comparative avian study. EVOLUTIONARY ECOLOGY RESEARCH 8: 731-752.

Devereux, C.L., M.J. Whittingham, J.R. Krebs, E. **Fernández-Juricic** & J.A. Vickery. 2006. What attracts birds to newly mown pasture? Decoupling the action of mowing from the provision of short swards. IBIS 148: 302-306.

Rodríguez-Prieto, I. E. **Fernández-Juricic** & J. Martín. 2006. Anti-predator behavioral responses of mosquito pupae to aerial predation risk. JOURNAL OF INSECT BEHAVIOR 19: 373-381.

Devereux, C.L., J.A. Vickery, E. **Fernández-Juricic**, J.R. Krebs & M.J. Whittingham. 2006. Does sward density affect prey availability for grassland birds? AGRICULTURE, ECOSYSTEMS AND ENVIRONMENT 117: 57–62.

Snellen, C.L., P.J. Hodum & E. **Fernández-Juricic**. 2007. Assessing western gull predation on purple sea urchins in the rocky intertidal using optimal foraging theory. CANADIAN JOURNAL OF ZOOLOGY 85: 221-231.

Heil\*, L., E. **Fernández-Juricic**, D. Renison, A. Cingolani & D. T. Blumstein. 2007. Avian responses to tourism in the biogeographically isolated high Córdoba Mountains, Argentina. BIODIVERSITY AND CONSERVATION 16: 1009-1026.

**Fernández-Juricic**, E. & M.H. Cassini. 2007*.* Intra-sexual female agonistic behaviour of the South American sea lion (*Otaria flavescens*) in two colonies with different breeding substrates. ACTA ETHOLOGICA 10: 23-28.

**Fernández-Juricic**, E., G. Beauchamp & B. Bastain\*. 2007. Group-size and distance-to-neighbour effects on feeding and vigilance in Brown-headed Cowbirds. ANIMAL BEHAVIOUR 73: 771-778.

**Fernández-Juricic**, E. & E. Tran\*. 2007. Changes in vigilance and foraging behaviour with light intensity and their effects on food intake and predator detection in house finches. ANIMAL BEHAVIOUR 74: 1381-1390.

**Fernández-Juricic**, E., P.A. Zollner, C. LeBlanc & L. M. Westphal. 2007*.* Responses of nestling black-crowned night herons (*Nycticorax nycticorax*) to aquatic and terrestrial recreational activities: a manipulative study. WATERBIRDS 30: 554-565.

Morgan\*, T. & E. **Fernández-Juricic**. 2007. The effects of predation risk, food abundance, and population size on group size of brown-headed cowbirds (*Molothrus ater*). ETHOLOGY 113: 1173–1184.

García, C., D. Renison, A. M. Cingolani & E. **Fernández-Juricic**. 2008. Avifaunal changes as a consequence of large scale livestock exclusion in the mountains of Central Argentina. JOURNAL OF APPLIED ECOLOGY 45: 351-360.

**Fernández-Juricic**, E.& G. Beauchamp. 2008. An experimental analysis of spatial position effects on foraging and vigilance in Brown-headed Cowbird flocks. ETHOLOGY 114: 105-114.

Rogers, B.L., C.G. Lowe, E. **Fernández-Juricic** & L.R. Frank. 2008. Utilizing magnetic resonance imaging (MRI) to assess the effects of angling-induced barotrauma on rockfish (*Sebastes*). CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES 65: 1245-1249.

Rodríguez-Prieto, I. E. **Fernández-Juricic** & J. Martín. 2008. To run or to fly: low cost versus low risk escape strategies in blackbirds. BEHAVIOUR 145: 1125-1138.

Devereux, C.L., E. **Fernández-Juricic**, J.R. Krebs & M.J. Whittingham. 2008. Habitat affects escape behaviour and alarm calling in Common Starlings *Sturnus vulgaris*. IBIS 150 (S1): 191-198.

**Fernández-Juricic**, E. M.D. Gall, T. Dolan, V. Tisdale & G.R. Martin. 2008. The visual fields of two ground foraging birds, House Finches and House Sparrows, allow for simultaneous foraging and anti-predator vigilance. IBIS 150: 779-787.

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| **Fernández-Juricic**, E. 1997. The language of the Southern sea lion. Biológica 10:22-23. (Spain) (in Spanish) |
| **Fernández-Juricic**, E. 1997. Parrots in Córdoba. Naturaleza & Conservación 1(2):22. (Argentina) (in Spanish)  |
| **Fernández-Juricic**, E. 1998. Blue-fronted Amazons in the wild: a field study in Argentina. The Amazona Quarterly 14:5-7. (USA) |
| **Fernández-Juricic**, E. 1999. Wild sounds of a garrulous parrot: Blue-fronted Amazons. The Amazona Quarterly 15: 7-10. (USA) |
| **Fernández-Juricic**, E. 1999. Saving the Blue-fronted Amazon at its southern limit: an environmental education approach. Endangered Species Update 16:74-77. |

*Extension publications (4)*

**Fernández-Juricic**, E., A.I. Siriczman & E. Alvarez. 1995. Ecology of marine mammals. Publication Nº 4. The Open University. Argentina. (In Spanish)

**Fernández-Juricic**, E. & R. Miatello. 1996. Blue-fronted amazons in Córdoba. Publication Nº 8. The Open University. Córdoba, Argentina. (In Spanish)

**Fernández-Juricic**, E. & L. Martín. 1996. Conservation biology. Publication Nº7 The Open University. Argentina. (In Spanish)

**Fernández-Juricic**, E. & M. Sironi. 1996. Conservation and marine mammals. Publication Nº 5 The Open University. Argentina. (In Spanish)

*Presented papers in Conferences (since Purdue appointment)*

- **Fernández-Juricic**, E., A. Montemaggiori & P. Jori. Responses of gulls to a remote control operated hawk model: implications for bird strikes. North American Bird Strike Annual Meeting, Victoria, Canada. September 2009.

- **Fernández-Juricic**, E., M.D. Gall, T. Dolan, C. O’Rourke, S. Thomas\* & J.R. Lynch\*. Understanding the mechanistic basis of vigilance: visual systems and scanning strategies in two ground foraging birds. Animal Behavior Society Meeting, Williamsburg (USA), July 2010.

- Moore, B., M. Doppler, J. Freeman\*, K. Kapernaros\*, B.F. Blackwell, & E. **Fernández-Juricic**. Geese see the world laterally and transversally: implications for vigilance. Animal Behavior Society Meeting, Williamsburg (USA), July 2010.

- O’Rourke, C. & E. **Fernández-Juricic**. Hawk eyes: diurnal raptors differ in visual strategies for prey searching. International Behavioral Ecology Congress at Western Australia University (Perth, Australia). September 2010.

- **Fernández-Juricic**, E. & V.J. Kowalski. Social information transfer varies between species with different visual acuity: a comparative experiment with live and robotic birds. International Behavioral Ecology Congress at Western Australia University (Perth, Australia). September 2010.

- Allawzi\*, A.M. E.N. Grelle\*, M.E. Teclaw\*, B. Moore\*, E. **Fernández-Juricic**, N. Pelaez. Isometric force of isolated extraocular muscles of wild cowbirds. Experimental Biology Meeting, Anaheim, CA. April 2010.

- Moore\*, B., Doppler\*, M.S., Freeman\*, J., Kapernaros\*, K., Blackwell, B.F. and **Fernández-Juricic**, E.J. Geese see the world laterally and transversally: implications for vigilance. 47th Annual Meeting of the Animal Behavior Society. College of William and Mary, Williamsburg, VA. July 2010.

- Doppler\*, M., B. Moore\*, J. Young\*, K. Officer\* and E. **Fernández-Juricic**. It’s all about eye movement: different visual and foraging strategies of the chickadee and nuthatch. Sigma Xi Grad Student Poster Competition. West Lafayette, IN. February 2011.

- Doppler\*, M., Baumhardt, P., Moore, B., Randolet, J., **Fernández-Juricic**, E. (2011). Color Vision in Canada Geese: An “Oblique” Violet-sensitive System. Poster presented at *Animal Behavior Society Conference* (Bloomington, IN).

- Doppler\*, M., B. Moore\*, J. Young\*, and E. **Fernández-Juricic**. Visual fields and eye movements of titmice and chickadees. 18th Annual Animal Behavior Conference. Bloomington, IN. April 2011.

- Pita\*, D., B. A. Moore, E. **Fernández-Juricic**. Visual fields and foraging techniques in Blue Jays and Red-winged Blackbirds. Animal Behavior Society meeting, Indiana University, Bloomington, IN, July 2011

- **Fernández-Juricic**, E. G. Beauchamp, R. Treminio\* & M. Hoover\*. Association between head movements during vigilance and perceived predation risk in brown-headed cowbird flocks Animal Behavior Society meeting, Indiana University, Bloomington, IN, July 2011

- Elmore\*, A.G., M. B. Toomey, & E. **Fernández-Juricic**; 2012; The sensory basis of individual variation in color vision: a case study with house finches; Center for the Integrative Study of Animal Behavior (CISAB) Conference; Indiana University (Bloomington, IN); March 2012

- Young\*, J., M. Doppler\*, B. A. Moore and E. **Fernández-Juricic**. Visual resolution differs within the retina of ground and tree avian foragers to different degrees: ecological implications. 127th Annual Indiana Academy of Science Meeting. West Lafayette  IN. March 2012.

- Pita\*, D., B. A. Moore\*, E. **Fernández-Juricic**. How do small birds see? Visual field configuration and eye movements in closely related sparrows. Center for the Integrative Study of Animal Behavior Conference, Indiana University, Bloomington, IN, April 2012.

- Randolet, J., Lucas, J. R., **Fernández-Juricic**, E. (2012) Mixed messages: to what do you pay attention? Poster presented at *Animal Behavior Society and Human Behavior and Evolution Society Conference* (Albuquerque, NM).

- Randolet, J., Lucas, J. R., **Fernández-Juricic**, E. (2012) Group mates: How closely are their vigilance levels monitored? Poster presented at *Indiana Academy of Science* *Conference* (West Lafayette, IN) and *Center for the Integrative Study of Animal Behavior* *Conference* (Bloomington, IN).

- Miller\*, S., Ensminger AL, **Fernández-Juricic** E. 2012, Density of P-type oil droplets in house sparrows, Purdue University, West Lafayette, IN, July 2012 LSAMP - "Louis Stokes Alliance for Minority Participation

- Ronald, K. L., **Fernández-Juricic**, E., and Lucas, J. R. Individual differences in auditory and visual processing in a song-bird, *Molothrus ater. Animal Behavior Society Conference* University of New Mexico, Albuquerque, NM July 2012

- **Fernández-Juricic**, E., A. Ojeda, M. Deisher\*, B. Burry\*, A. Stark\*, P. Baumhardt, A. Elmore\* & A. Ensminger. Sex-differences in the visual system and scanning behavior of brown-headed cowbirds. Animal Behavior Society meeting, University of New Mexico, Albuquerque, NM July 2012.

- Moore, B.A., M. Doppler, E. **Fernández-Juricic**. Interspecific differences in the visual system and scanning behavior of three forest passerines that form heterospecific flocks. Merial-NIH Conference, Colorado State University, August 2012.

- Pita\*, D., B.A. Moore, L. Tyrrell, E. **Fernández-Juricic**. How do small birds see? Relationships in binocularity and bill morphology in closely related sparrows. Purdue College of Science Research Symposium, Purdue University, West Lafayette, IN, April 2013.

- Ronald, K. L., **Fernández-Juricic**, E., and Lucas, J. R. Hunger, Hormones, and Hearing: Frequency Sensitivity in a Song Bird. *Center for Integrated Studies in Animal Behavior Conference* Indiana University, Bloomington, IN March 2013

- Ronald, K. L., **Fernández-Juricic**, E., and Lucas, J. R., Differences in Hearing Sensitivity in a Song Bird March *Indiana Academy of Science Annual Meeting* Indianapolis, IN March 2013

- Ronald, K. L., **Fernández-Juricic**, E., and Lucas, J. R. Differences in Hearing Sensitivity in a Song Bird *Hearing Seminar Series* Purdue University, West Lafayette, IN January 2013

- Abplanalp\*, B., L.P. Tyrrell, B.A. Moore, J. Hanchar\*, and E. **Fernández-Juricic**. 2013. Visual ecology of red-winged blackbirds and common grackles. Animal Behavior Conference, Bloomington, IN. March 2013

- Doppler, M., B.F. Blackwell, E. **Fernández-Juricic**. Cowbird responses to lights tuned to its visual system: implications for bird-aircraft collisions. Animal Behavior Society meeting, Boulder, CO. August 2013.

- Ensminger, AL, TL Pearson\*, GJ Todd\*, E **Fernández-Juricic**. How head positions and movement rates are related to chromatic contrast and visual physiology. Animal Behavior Society meeting, Boulder, CO. August 2013.

- Ronald, KL, E **Fernandez-Juricic**, JR Lucas Tradeoffs in Auditory and Temporal Resolution in a Songbird (*Molothrus ater*). Animal Behavior Society meeting, Boulder, CO. August 2013.

- Tyrrell, L.P. and E. **Fernández-Juricic**. Upward projecting fovea in the eastern meadowlark (*Sturnella magna*). *Society of Integrative and Comparative Biology* (Austin, TX) January 2014.

- **Fernández-Juricic**, E., Shoemaker\*, A.L., Nelson\*, M.M. & Moore\*, B.A. What makes a head turn? Vigilance behavior is associated with biomechanical constraints and retinal configuration. 2014 International Society for Behavioral Ecology meeting. New York. July 2014.

- **Fernández-Juricic**, E., A.L. Ensminger & G. Todd. The visual paradox of avian ground foragers: grabbing a bite with peripheral vision. 51st Annual Conference of the Animal Behavior Society. Princeton, NJ. August 2014.

- Ronald, K.L. E. **Fernández-Juricic** & J.R. Lucas. The role of multimodal sensory reception in female mating decisions. 51st Annual Conference of the Animal Behavior Society. Princeton, NJ. August 2014.

- Butler, S.R, & E. **Fernández-Juricic**. Did you see that? European Starlings follow the gaze direction of conspecifics. 51st Annual Conference of the Animal Behavior Society. Princeton, NJ. August 2014.

- Pita, D., & E. **Fernández-Juricic**. Vision in zebrafish: implications for collective behavior. 51st Annual Conference of the Animal Behavior Society. Princeton, NJ. August 2014.

- Butler, SR.and E. **Fernández-Juricic**. Did you see that? European starlings follow the gaze direction of conspecifics. Animal Behavior Conference, Bloomington, IN. April 24 2014.

- **Fernández-Juricic**, E., B.F. Blackwell & T. L. DeVault. Conceptual basis of a lighting system tuned to the bird eye to minimize collisions with wind turbines. 10 Wind Wildlife Research Meeting. Broomfield, Colorado. December 2014.

- **Fernández-Juricic**, E., B.F. Blackwell & T. L. DeVault. Planning and design issues of LED lighting at airports: ecological and safety considerations in airfield lighting. Transportation Research Board 94th Annual Meeting. Washington DC. January 2015.

- Tyrrell, L.P., S.R. Butler, J.L. Yorzinski, and E. **Fernández-Juricic**. A novel system for eye-tracking in small birds. *Society of Integrative and Comparative Biology* (West Palm Beach, FL) January 2015.

- Melvin, E. & E. **Fernández-Juricic**. Laser technology for seabird bycatch prevention in commercial fisheries. 42nd Pacific Seabird Group Annual Meeting. San Jose, California. February 2015.

- Butler, SR., Hosinski\* E.C., **Fernández-Juricic**, E. Spatial scanning patterns in European starlings. March, 2015 at Center for the integrative study of animal behavior (CISAB), Indiana University, Bloomington IN.

- Butler, SR., Hosinski\* E.C., **Fernández-Juricic**, E. Vigilance copying in European starlings. August 2015. American Ornithologist Union Meeting, Oklahoma.

- **Fernández-Juricic**, E. & A. Ensminger. Grabbing a bite with peripheral vision: the avian ground forager visual paradox. August 2015. American Ornithologist Union Meeting, Oklahoma.

**-** Tyrrell**,**, L.P. and E. **Fernández-Juricic**. The hawk-eyed songbird. [Talk] *J.B. Johnston Club for Evolutionary Neuroscience* (Chicago, IL). November 2015.

**- Fernández-Juricic**, E., A.L. Shoemaker\*, M.M. Nelson\* & B.A. Moore. What makes a head turn? Vigilance behavior is associated with biomechanical constraints and retinal configuration. *J.B. Johnston Club for Evolutionary Neuroscience* (Chicago, IL). November 2015.

- Pita, D., B.A. Moore, L.P. Tyrrell, & E. **Fernández-Juricic**. Eye see what you did there: how vision shapes social behavior in minnows. Next Generation Scholars Research Fair. Purdue University. November 2015.

**-** Ronald, K. L., **Fernandez-Juricic**, E., and Lucas, J. R. Estrogen mediated changes in the auditory system: implications for songbird mating preferences. [Talk]  *Hearing Seminar Series* Purdue University, West Lafayette, IN. November 2015.

- Pita, D., & E. **Fernández-Juricic**. Vision in zebrafish: implications for collective behavior. Biological Sciences Graduate Recruitment Poster Session. Purdue University. January 2016.

**-** Ronald, K. L., **Fernandez-Juricic**, E., and Lucas, J. R. Multimodal signal preferences in birds: visual display intensity modulates song attractiveness.  [Talk]  *EcoLunch: Ecology Seminar Series.* Purdue University, West Lafayette, IN. February 2016.

- Ronald, K.L., D.J. White, E. **Fernández-Juricic,** and J.R. Lucas. What makes a multimodal signal attractive? A preference function approach. [Talk] *Animal Behavior Society* (Columbia, MO). August 2016.

- Ronald, K.L., D.J. White, E. **Fernández-Juricic**, and J.R. Lucas. What makes a multimodal signal attractive? A preference function approach. [Talk] *Center for Integrated Studies in Animal Behavior Conference* (Bloomington, IN). April 2016

- Jarvis\*, H.V., A.G. Ossip-Klein, K. L. Ronald, E. **Fernández-Juricic**, D.K. Hews, E.P. Martins. 2016. Visual resolution of two species of *Sceloporus* lizards that differ in ventral coloration  [Poster] *Center for Integrated Studies in Animal Behavior Conference*Indiana University, Bloomington. April 2016.

- Tyrrell, L.P. & E. **Fernández-Juricic**. 2016. The eyes of flycatchers: A new and unique cell type confers exceptional motion detection ability. [Talk] *North American Ornithological Conference* (Washington, D.C.) August 2016.

- **Fernández**-**Juricic**, E. & L.P. Tyrrell. 2016. The visual system of the hawk-eyed songbird, the Tree Swallow. [Talk] *North American Ornithological Conference* (Washington, D.C.) August 2016.

- Tyrrell L.P., D. Pita, & E. **Fernández-Juricic**. The role of vision in sparrow anti-predator behavior. [Talk] *Animal Behavior Society* (Columbia, MO) August 2016.

- Ritschard\*, E.A., L.P. Tyrrell, & E. **Fernández-Juricic**. The role of habitat shaping motion detection in two songbirds. [Talk] *SURF Symposium* (West Lafayette, IN) August 2016.

- **Fernández**-**Juricic**, E., B.A. Moore, L.P. Tyrrell, D. Pita & O. Bininda-Emonds. How does retinal configuration make the head and eyes of birds move? Implications for anti-predator behavior. [Talk] *Animal Behavior Society* (Columbia, MO) August 2016.

- Butler, SR., E.C. Hosinski\*, J.R. Lucas, E. **Fernández-Juricic.** I’ve got my eye on you: social monitoring in European starlings. [Talk] *Animal Behavior Society meeting* (Columbia, MO). August 2016.

**-** Butler, SR. & **Fernández-Juricic**, E. How birds see their world: visual fixation in European starlings. April 7 2017 at the Center for the Integrative Study of Animal Behavior. Indiana University. [Talk].

**-** Ronald, K. L., **Fernández-Juricic**, E., and Lucas, J.R. Is mate choice in the eye and ear of the beholder? 2017 Sensorium Conference, University of Cincinnati, OH. September 2017. [Talk].

**-** Goller B, BF Blackwell, TL DeVault, E **Fernández-Juricic**. Preferential avoidance of some high-contrast colored lights in brown-headed cowbirds. 2017 Sensorium Conference. Cincinnati, OH. September 2017. [Talk].

- Ronald, K. L., **Fernández-Juricic**, E., and Lucas, J. R. Is mate choice in the eye and ear of the beholder? Multimodal sensory configuration influences mating preferences Animal Behavior Society. University of Toronto Scarbourgh, Toronto, Ontario, Canada June 2017. [Invited Talk]

- Ronald, K. L., **Fernández-Juricic**, E., and Lucas, J. R. Multimodal sensory processing influences mating preferences in a songbird species. *W.M Keck Center for Behavioral Biology Symposium*. North Carolina State University, Raleigh, NC. April 2017. [Invited Talk]

- Ronald, K. L., **Fernández-Juricic**, E., and Lucas, J. R. Multimodal sensory processing influences mating preferences in a songbird species. *Center for Integrated Studies in Animal Behavior Conference.* Indiana University, Bloomington, IN. April 2017. [Talk]

- DeVault, T.L., B. Blackwell, T. Seamans, S.L. Lima, E. **Fernández-Juricic**. 2017.Individual variation in avian avoidance behaviors in response to repeated, simulated vehicle approach. The Wildlife Society 24th Annual Conference, Albuquerque, New Mexico, 2017. [*invited talk as part of symposium Wildlife as individuals: considering inter-individual variation to inform management*].

- DeVault, T.L., B. Blackwell, T. Seamans, S.L. Lima, E. **Fernández-Juricic**. 2017. Commercial Aviation Safety Team (CAST) Meeting. Washington, DC, 2017. [Talk].

- **Fernández-Juricic**, E.DeVault, T.L., B. Blackwell, T. Seamans, Ikerd, N. Is alert behavior a good proxy of visual detection? Animal Behavior Society. University of Toronto Scarbourgh, Toronto, Ontario, Canada June 2017. [Invited Talk]

- **Fernández-Juricic**, E. Avian vision: integrating physiology and behavior. 2017 Sensorium Conference. Cincinnati, OH. September 2017. [Talk].

- **Fernández-Juricic**, E., P. Baumhardt & L. Kelly. How do different bird species visually perceive solar panels? Implications for reducing avian mortality in solar facilities. 2018. American Ornithological Society Annual Meeting. Tucson, Arizona. April 2018. [Talk].

###### RESEARCH STUDENT MENTORING (before Faculty appointment)

|  |  |
| --- | --- |
| 1995 | Supervision of 2 students from American Universities in research activities in Patagonia, Argentina. Minority International Research Training Program (National Science Foundation, USA). |
| 1998-2001 | Supervision of 16 graduate and undergraduate students in different research projects. Urban Ecology Group, Madrid, Spain. |
| 2001-2003 | Supervision of 6 undergraduate theses. National University of Córdoba, Argentina.  |
| 2003 - 2006 | Claire Deveraux (Ph.D. student). Co-supervision. Main advisors: Mark Whittingham and John Krebs and. Agricultural intensification and foraging strategies of grassland birds. Department of Zoology, University of Oxford, UK. |
| 2004- 2010 | Iñaki Rodriguez-Prieto (Ph.D. Student). Co-supervision with Jose Martin. The behavioral ecology of habituation effects in lizards. Museo de Ciencias Naturales de Madrid, Spain. |

**RESEARCH STUDENT MENTORING (after Faculty appointment)**

***Former research undergraduate students****: ~* 200

***Former graduate students****: 22* (Rachael Poston+, Vanessa Tisdale+, Cara Snellen+, Anna Valcarcel+, Megan Gall+, Tracy Dolan+, Colleen O'Rourke+, Bonnie Rogers+, Patrice Baumhardt+, Kimberly Oldehoeft+, Victor Kowalski+, Agustin Ojeda+, Tim Morgan+, Juanita Losier+, Jacquelyn Randolet+, Cristhian Mace+, Megan Doppler+, Ellie Sheridan+, Bret Moore\*, Kelly Ronald\*, Luke Tyrrell\*, Shannon Butler\*).

*+ Masters; \* Ph.D.*

***Former undergraduate honors students*** *(4):*

- Amy C. Stark. Graduated in 2011

- Amanda Elmore. Graduated in 2013

- Diana Pita. Graduated in 2013

- Claire Hosinski. Graduate in 2015

***Former Post-docs*** *(2):*

- Dr. Amanda Ensminger (2011-2014)

- Dr. Jessica Yorzinski (2013-2015)

***Current Ph.D. students*** *(2):*

- Diana Pita

- Rebecca Trapp

***Current Masters students*** *(2):*

- Arden Blumenthal

- Andrea Kress

***Current Post-doc (1):***

- Benjamin Goller

***Visiting scientists since Purdue appointment (2)***

- Yuanxing Ye (2014-2016). This Ph.D. student from Beijing Forestry University got a fellowship from the Chinese government to spend two years in my lab. We trained him on multiple visual ecology and behavioral ecology techniques and he conducted some projects here as part of his Ph.D. thesis.

- Pedro de Moraes (2017). This Ph.D. student from the University of Brasilia (Brazil) spent 6 months in my lab with a fellowship from the Brazilian government. We trained him on multiple visual ecology and perceptual modeling techniques. His visit was also part of an international collaboration with Prof. Regina Macedo to study the visual system of the blue-black grassquit, a small songbird that lives in semi-open areas. This is one of first South American bird species that will have its visual system characterized.

***Lab Research Assistants since Purdue appointment (4)***

- Megan Doppler (2013-2014)

- Nathan Ikerd (2014-2017)

- Patrice Baumhardt (2012 – present)

- Deona Harris (2017 – present)

Student awards since Purdue appointment

- Megan Doppler (Masters student in my lab) got one of the SROP Program fellowships to do research in my lab over the summer 2011 (Purdue University)

- Jacquelyn Randolet (Masters student in my lab) got a grant from the Indiana Academy of Sciences in 2011 to complete her research project.

- Bret Moore (Ph.D. student in my lab): Graduate Student Fellowship from the National Evolutionary Synthesis Center (NESCent) through the Department of Biology at Duke University. 2010-2011.

- Bret Moore (Ph.D. student in my lab and DVM student) got the 2012 Merial-NIH Veterinary Scholar Research Fellowship.

- Amanda Elmore (research undergraduate student in my lab) got the 2nd place – Life Sciences in the 2012 Purdue Undergraduate Research Symposium.

- Amanda Elmore (research undergraduate student in my lab) got the Best Abstract Award – Life Sciences in the 2012 Purdue Undergraduate Research Poster Symposium.

- Ryan Cross (research undergraduate student in my lab) got the 2013 William H. Phillips summer research internship.

- William Nichols (research undergrad student in my lab) got the 2014 McAtee award for summer research.

- Luke Tyrrell. Purdue Graduate Student Government Travel Grant. 2014

- Kelly Ronald. Student Research Award. Animal Behavior Society. 2014

- Luke Tyrrell. Charolette Magnum Student Support Program, Society of Integrative and Comparative Biology. 2015

- Shannon Butler. Graduate School Summer Research Grant 2015.

- Shannon Butler. Purdue Research Foundation Research Grant 2015.

- Shannon Butler. Student Research Award. Animal Behavior Society. 2015

- Luke Tyrrell (Ph.D. student). Charolette Magnum Student Support Program, Society of Integrative and Comparative Biology, $750. 2015

- Shannon Butler (Ph.D. student). Graduate School Summer Research Grant 2015.

***-*** Shannon Butler (Ph.D. student). Purdue Research Foundation Fellowship for January-December 2016

***-*** Kelly Ronald (Ph.D. student).Biology Graduate Student 3rd place poster, Purdue University

- Kelly Ronald (Ph.D. student). April 2014. Animal Behavior Society Student Research Grant ($1,300). March 2014

- Shannon Butler (Ph.D. student). Animal Behavior Society student research grant ($1,000). April 2015

- Shannon Butler (Ph.D. student). Cooper Ornithological Society Travel Grant ($175). July 2015

- Shannon Butler (Ph.D. student). Animal Behavior Society Travel Grant ($500). 2016.

- Luke Tyrrell (Ph.D. student). Yeunkyung Woo Achieve Excellence Travel Award, Purdue University ($500). 2016.

- Luke Tyrrell (Ph.D. student). Alton A. Lindsey Graduate Fellowship in Ecology, Purdue University ($1,000). 2016.

- Kelly Ronald (Ph.D. student). Purdue's Bisland Dissertation Fellowship. 2016.

- Kelly Ronald (Ph.D. student). Animal Behavior Society Conference Childcare Grant ($500). 2016.

- Kelly Ronald (Ph.D. student). Animal Behavior Society Travel Grant ($500). 2017

- Kelly Ronald (Ph.D. student). Animal Behavior Society Early Career Award for best student paper Walter Clyde Allee Award ($1,500). 2017. *This is the most prestigious (and most competitive) award for early career scientists in the Animal Behavior Society.*

Member of graduate thesis committees since Purdue appointment

On-campus

- Megan Gall (Biological Sciences - Ph.D. student). Research Advisor: Jeff Lucas. Graduated in 2012.

- Ashley Chin-Baarstad (Biological Sciences - Ph.D. student) Research Advisor: Krista Nicholls. Graduated in 2014.

- Lauren Brierley (Biological Sciences - Masters student). Research Advisor: Jeff Lucas. Graduated in 2011.

- Aaron Owen (Biological Sciences - Masters student). Research Advisor: Rick Howard. Graduated in 2011.

- Alex Cohen (Forestry and Natural Resources - Ph.D. student). Research Advisor: Pat Zollner. Graduated in 2014.

- Edward Collier (Department of Computer Graphics Technology – Masters student). Research Advisor: Bedrich Benes. Graduated in 2016.

- Timothy Luttermoser (Department of Entomology – Masters student). Research Advisor: Grzegorz Buczkowski. Graduated in 2016.

- Ashley Kissick (Department of Entomology – Ph.D. student). Research Advisor: Jeff Holland. Graduated in 2017.

- Henry Legrett (Department of Biological Sciences – Ph.D. student). Research Advisor: Ximena Bernal.

- Anupriya Karippadath (Department of Biological Sciences – Ph.D. student). Research Advisor: Jeff Lucas.

***-*** Cheyenne Gerdes (Department of Forestry and Natural Resources – Ph.D. student). Research Advisor: Pat Zollner.

Off-campus

International:

- Sara Kross. University of Canterbury. Christchurch. New Zealand. Research Advisor: Ximena Nelson. Graduated in 2012.

- Constanza Pasian. National University of Cordoba, Argentina. Research Advisor: Mario Santiago Di Bitetti.

National:

- Jennie Carr. Indiana State University. USA. Research Advisor: Steven Lima. Graduated in 2013.

- Zachary Aidala. Hunter College. City University of New York. USA. Research Advisor: Mark Hauber. Graduated in 2015.

**TEACHING ACTIVITIES**

**TEACHING EXPERIENCE before Assistant Professor Appointment**

*Tertiary level:*

|  |  |
| --- | --- |
| 1995 | National University of Córdoba, Argentina (teaching assistant in Animal Behaviour) (undergraduates). |
| 1995 | National University of Córdoba, Argentina (Ecology) (undergraduates). |
| 1996 | The Open University, Argentina (Conservation Biology) (undergraduates). |
| 2001 | University of Oxford, UK (Research field techniques in animal behavior) (students of the Master of Integrative Biosciences). |

*Secondary level:*

|  |  |
| --- | --- |
| 1994 | “Instituto San Pablo”, Córdoba, Argentina (Environmental Sciences). |

*Extra-curricular courses:*

|  |  |
| --- | --- |
| 1998 | “Instituto Piramides”, Madrid, Spain (Biometry).  |
| 1995-1996 | The Open University, Córdoba, Argentina (Marine mammal conservation, Conservation biology, Marine mammals: ecology and evolution).  |

**TEACHING ASSIGNMENTS as an Assistant Professor at California State University Long Beach (2003-2009)**

- General Ecology

- Field Methods in Ecology

- Ornithology

- Behavioral Ecology

- Research Design (core class for Biological Sciences graduate program)

- Biostatistics

- Graduate seminar on Animal Behavior and Conservation Biology

- Graduate seminar on Cognitive Ecology

- Graduate seminar on Statistics Applied to Ecology

- Graduate seminar on Visual Ecology

**TEACHING ASSIGNMENTS as Associate and Full Professor at Purdue University**

- Ecological Statistics

- Evolution of Behavior (team-taught)

- Sensory Ecology (team-taught)

- Writing in Ecology and Evolutionary Biology (team-taught)

- Advanced Ecology and Evolutionary Biology Discussion (team-taught)

**Invited lectures**

International

- Training Workshop for Project Leaders of the ARAUCARIA Program, Madrid, Spain, 1999.

- Management of Protected Areas Symposium, Sevilla, Spain, 2000.

- Urban Ecology Symposium, Bird Life, Buenos Aires, Argentina, 2001.

- Department Seminar, University of Buenos Aires, Argentina, 2001.

- Department Seminar, University of Montreal, Canada, 2002.

- Urban Ecology Symposium. Society for Conservation Biology Annual Meeting, New York, USA, August 2004.

- IberoAmerican Ethological Conference, Tenerife, Spain, September 2006.

- Department Seminar, National University of Cordoba, Argentina, June 2008.

- Applied Zoology Institute, Cordoba, Argentina, June 2008.

- Department Seminar, University of New Castle, United Kingdom, July 2008

- International workshop on “Social learning and information use in the wild”, organized by GRECA (Groupe de Recherche en Écologie Comportementale et Animale) at Université du Québec à Montréal (UQAM), Montreal, Canada, December 2008.

- Symposium on “Urban bird conservation: connecting the worlds of conservation, wildlife education and urban sustainability”. 25th International Congress for Conservation Biology. Auckland, New Zealand. December 2011.

- Symposium on “Integrating behavioral and conservation biology”. 25th International Congress for Conservation Biology. Auckland, New Zealand. December 2011.

- Department of Evolutionary Ecology. Museum of Natural Sciences, Madrid, Spain (Spanish Research Council). September 2012

- Department of Zoology, University of Cambridge, UK. September 2012.

- Department of Biological Sciences, University of Alberta, Canada. October 2012.

- Keynote address in COMPORTA 2013: Behavioral Biology Conference. Mar del Plata, Argentina. April 2013.

- Department of Ecology, Genetics and Evolution. University of Buenos Aires, Argentina. November 2013

- Department of Zoology, University of British Columbia, Canada. March 2014.

- Theo Murphy international scientific meeting on “When senses take flight: the evolution, development, mechanisms and function of avian senses”. Royal Society of London, London, UK. September 2014.

- Keynote Speaker at the 32nd Meeting of the Brazilian Ethological Society, Mossoro, Brazil. November 2014.

- Seminar at the Workshop “Authoring a paper in Animal Behaviour”. 32nd Meeting of the Brazilian Ethological Society, Mossoro, Brazil. November 2014.

- Talk at the Symposium The Ecology of Disturbance in a Conservation Context. British Ecological Society Annual Meeting. Edinburgh, Scotland. December 2015.

- Interdisciplinary Neuroscience Program, Western University, Canada, October 2016.

- Talk at the Bird Sense 2017 Symposium, Zoological Society of London, September 2017.

- Seminar, Department of Biological Sciences. Universidad de los Andes, Bogota, Colombia. April 2017.

- Seminar, School of Biological Sciences. University of Cordoba Argentina, April 2017.

- Seminar, Department of Biology, Lund Vision Group, Lund University, Sweden. March 2018.

***National***

- Seminar, North Central Research Station, USDA Forest Service, WI, USA, 2002.

- Department Seminar, University of Minnesota, USA, 2002

- Department Seminar, California State University Long Beach, USA, 2003.

- Department Seminar, University of California Los Angeles, California, December 2004.

- Department Seminar. University of Southern California, April, 2005.

- Mountain Yellow-legged Frog Conservation Strategy Workshop. Beckman Center for Conservation Research, San Diego, California, April 2005.

- Department Seminar, School of Natural Sciences, Ohio State University, November 2005.

- Department Seminar, Department of Biological Sciences, California State University Long Beach, September 2005.

- Department Seminar, Department of Biological Sciences, San Diego State University, April 2006.

- USDA/APHIS/WS National Wildlife Research Center, Sandusky, Ohio, August 2006.
- Faculty Supper Club, California State University Long Beach, September 2006.

- Scholarly Writing Institute, Office of University Research, California State University Long Beach, June 2007.

- Bench summer seminar series, Department of Biological Sciences, California State University Long Beach, August 2007.

- Summer Institute on Teaching and Learning, Faculty Center for Professional Development, California State University Long Beach, August 2007.

- Department Seminar, Department of Biological Sciences, California State University Long Beach, October 2007.

- The Scotts Company, Marysville, Ohio, November 2007.

- The Boeing Company, Seattle, December 2007.

- DreamWorks Animation SKG, California, January 2008

- Department Seminar, Virginia Commonwealth University, January 2008

- Department Seminar, University of Nevada Reno, February 2008

- Fellows Colloquium (fundraising event), College of Natural Sciences and Mathematics, California State University Long Beach, February 2008.

- The Scotts Company, Marysville, Ohio, March 2008.

- College Seminar, Cerritos College, Long Beach, May 2008.

- Avicultural Society of America, Arcadia, California, May 2008.

- Symposium on “Decision-making during predator-prey encounters - identifying transformative research in antipredator behavior”, International Behavioral Ecology Congress, Cornell University, Ithaca, New York, August 2008.

- San Bernardino County Museum, California, September 2008

- Department Seminar in the Department of Biological Sciences, California University Long Beach on September 2008.

- Kaytee Avian Foundation, Chilton, Wisconsin, May 2009.

- Department seminar in the Department of Biology, Indiana University, Bloomington. October 2009

- Amos W. Butler Audubon Society, Indianapolis. November 2010.

- American Indian Science and Engineering meeting, March 2010. Purdue University.

- USA Biology Olympiad, June 2010. Purdue University.

- Department Seminar. University of Kentucky, Lexington. February 2011.

- Department Seminar. Western Kentucky University, Bowling Green. February 2011.

- Department Seminar. Indiana State University. Terra Haute, Indiana. April 2011.

- Symposium on Animal Cognition: perception, sensation, information, and ecology: taking the animal’s point of view. Indiana University, Bloomington. April 2011.

- Department Seminar. Department of Psychology. Purdue University, Indiana. September 2011.

- Department Seminar. Department of Natural Resources and Environmental Sciences, University of Illinois. October 2011.

- Distinguished HHMI Series speaker at University of Puerto Rico Mayagüez. April 2012.

- Department Seminar. Department of Psychology. Hunter College - City University of New York. September 2012

- Department Seminar. Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst. October 2012.

- Seminar at Wright-Patterson US Air Force Base in Dayton, OH. February 2013.

- Department Seminar. Department of Biological Sciences, University of Maryland at Baltimore County. April 2013.

- Symposium on “[Effects of plasticity and individual variation in sensory biology on sexual selection](http://www.colorado.edu/ABS2013/ABS%20Symposium%20Sensory%20Biology%20and%20Sexual%20Selection.html)” for the 2013 Animal Behavior Society meeting in Boulder, Colorado. July 2013

- Seminar. USDA Natural Resources Research Center, Fort Collins, Colorado. July 2013.

- Symposium on “Ecology and conservation of insectivores of the tropical rainforest understory” for the 2013 American Ornithologist’s Meeting in Chicago, Illinois. August 2013.

- Seminar, Chapter of the Wildlife Society, Butler University. November 2013

- Seminar, North Dakota State University's Earth Day Celebration, April 2014

- Seminar, Department of Biology, US Air Force Academy, April 2014

- Presentation at the Winter Animal Behavior Conference, Colorado, January 2014.

- Seminar at the Latin American Science Workshop (Animal Behavior Meeting). Princeton University, August 2014.

- Air Force Base in Albuquerque New Mexico (virtual presentation), August 2014.

- Seminar, Department of Ecology and Evolution, University of Chicago, February 2015

- Seminar, Harvard Museum of Natural History, Harvard University, September 2015

- Seminar, Department of Biology, Ball State University, November 2016

- Seminar, Department of Biological Sciences. University of Washington, Seattle, March 2017.

- Seminar, Department of Ecology, Evolution & Behavior, University of Minnesota. October 2017.

- Seminar, USDA APHIS, Sandusky, Ohio. December 2017.

***Local***

- Department Seminar in the Department of Biology, Indiana University-Purdue University, Fort Wayne, IN. April, 2009.

- American Indian Science and Engineering meeting, March 2010. Purdue University.

- Seminar at the Department of Biological Sciences research retreat, Purdue University, West Lafayette, April 2010.

- USA Biology Olympiad, June 2010. Purdue University.

- USA Biology Olympiad, June 2011. Purdue University.

- Department Seminar. Department of Psychology. Purdue University, Indiana. September 2011.

- Symposium on “*Solutions for 7: 7 Billion People, 7 Grand Challenges*”. Ecological Sciences & Engineering Interdisciplinary Program. Purdue University, Indiana. November 2011.

- Seminar at the Department of Biological Sciences research retreat, Purdue University, West Lafayette, November 2011.

- Seminar at meeting with BSAAC Biological Sciences

- USA Biology Olympiad, June 2012. Purdue University.

- Department of Biological Sciences, Purdue University at Calumet, August 2012.

- USA Biology Olympiad, June 2013. Purdue University.

- Department of Biological Sciences, Purdue University, October 2013

- Seminar Purdue’s All-You-Can-Learn Buffet. Purdue Extension. June 2014.

- Talk at Kiwanis International, West Lafayette, Indiana. March 2015.

- Guest lecture in the course Wildlife in America, Purdue University, October 2016.

- Talk at the NeuroNetworking Summer Seminar Series (Purdue Institute for Neuroscience), July 2017

- Guest lecture in the course Wildlife in America, Purdue University, October 2017.

- Talk at Kiwanis International, West Lafayette, IN. December 2017.

**Invited international and national working groups**

 *International:*

- International working group: “Emerging questions in the evolution of visual systems in vertebrates.” This working group met several times during 2.5 years (2009-2011) at the National Evolutionary Synthesis Center (funded by NSF). Duke University, Durham, NC.

- International working group “Conservation Behavior”. San Diego Zoo's Institute for Conservation Research, San Diego, California. March 2016.

- International working group “developing a behavioral evidence platform for conservation and management”, Ben-Gurion University's Jacob Blaustein Institutes for Desert Research, Israel, October 2017.

*National:*

- Workshop on the “Future of Animal Behavior Research”. This working group met to establish the future research priorities on animal behavior research nationwide. The workshop was funded by NSF. April 2012, VA.

- Workshop on “Eagle detection and deterrent technology research gaps and solutions”. The National Renewable Energy Laboratory (Department of Energy), Colorado. December 2015.

- Workshop on “Sensory feedbacks and distributed communications in natural and artificial systems” University of Santa Barbara, California. April 2016.

- Working Group: Wildlife Sensitivities to Light and Sound. Colorado State University at Fort Collins, September 2017. Funded by NASA.

**Courses taught abroad**

- Course: “Fundamentals of hypothesis testing and experimental design in Ecology” at the National University of Cordoba, as part of National Science Foundation award. This was an intensive course (20 hours) for graduate students in Ecology and Evolutionary Biology. June 1-3, 2015. Cordoba, Argentina.

- How to enhance publication success in international scientific journals. Grad level workshop taught at the University of Cordoba, Argentina as part of National Science Foundation award. April 2017.

- Animal coloration data analysis with perceptual models. This was an intensive course (2 hours of lecture, 2 hours of computer lab) for grad students, postdocs and Faculty. April 20, 2018. Cordoba, Argentina.

**Activities related to outreach and diversity**

(I) Bird Vision explained (<http://estebanfj.bio.purdue.edu/birdvision/>). Website to introduce the general public to concepts of bird vision. The site is structured in modules and activities that can be easily downloaded by teachers to incorporate in their classes. There are 19 web pages with specially designed graphs and pictures produced to facilitate the understanding of visual fields, visual coverage, binocular and lateral vision, etc.

(II) Bird’s Eye View. Outreach program for K-12 schools. This program includes seminars on how birds perceive visually their environment and the societal applications of avian vision research (e.g., reducing bird strikes, collisions with windows, etc.). The talks are highly interactive and include hands-on activities for students to experience avian vision.

(III) In collaboration with a local artist (Gabriela Sincich) and the Purdue Science K-12 Outreach Program, we developed a teaching module for grades 3-6 entitled “How do we see and use colors? What makes birds different from us?” The first goal is to teach children the fundamentals on how human color vision works (i.e., three visual pigments) and how we can mix colors to get other colors. The second goal is to explain the wider avian color space (i.e., four visual pigments) and to encourage students to imagine the subtle variation in colors birds might perceive. The activity ends with an art project that consists of painting a landscape from human and bird perspectives. This teaching module fulfills Indiana Science Standards 1, 2, 3, 4, 5.

(IV) We developed and opened a booth at the annual Spring Fest at Purdue University (https://ag.purdue.edu/springfest/Pages/default.aspx) devoted to bird vision in 2014 and 2015. The goal is to explain to the general public how birds see their world. We developed a poster to illustrate key concepts on why birds see things differently from humans (position of the eyes in the skull, centers of acute vision). We also created several sets of hand-held goggles that project our binocular vision laterally to mimic the way birds with laterally placed eyes see. People visiting the booth get an introduction on avian vision, and then use the goggles to search for objects, such as dried noodles or candy, on a tray. We have video playing of a bird looking for food showing how they use the sides of their heads to search visually before pecking. This allows people to make the connection between what they experience with the goggles and avian foraging behavior. Finally, we have coloring activities for younger children visually explaining some of these ideas. Additionally, many K-12 teachers have approached us to get the goggle design so they can use them in their classes.

(V) SROP Program (Purdue University). Research Mentoring of minority students during the 2012 summer.

(VI) Purdue's SACNAS Chapter Faculty advisors (2009-2010).

(VII) Skype seminar with undergraduate students from the University of Puerto Rico at the Malaguez Campus to answer questions about graduate school at Purdue.

(VIII) Seminar about graduate school opportunities in the US in a scientific meeting in Mar del Plata, Argentina (2013).

**PROFESSIONAL SERVICE**

Editorial Boards

2010-present. Associate Editor: **Behavioral Ecology and Sociobiology.** Springer.

2012-2017. Editor: **Animal Behaviour.** Elsevier.

2007-2016 - Associate Editor: **Journal of Applied Ecology** (on-leave). British Ecological Society.

**Grant Review Panels**

**-** Animal Behavior Panel, National Science Foundation. October 2006.

**-** Animal Behavior Panel, National Science Foundation. April 2007.

**-** Animal Behavior Panel, National Science Foundation. April 2009.

**-** Animal Behavior Panel, National Science Foundation. April 2010.

- Animal Behavior Panel, National Science Foundation. October 2013.

- Animal Behavior Panel, National Science Foundation. April 2014.

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| - Animal Behavior Panel, National Science Foundation. October 2015. |
| - Animal Behavior Panel, National Science Foundation. October 2016.- Animal Behavior Panel, National Science Foundation. April 2017. |

**Ad-hoc Reviewer**

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| *Conferences* |
| - Society for Conservation Biology Annual Meeting, Duluth – MN –USA, 2003. - XII National and IX Latin American Ethological Conference. Valencia, Spain. 2008.- XIV National and XI Latin American Ethological Conference. Sevilla, Spain. 2012.*Journals*Acta Zoologica, AMBIO, American Naturalist, Animal Behaviour, Animal Biodiversity and Conservation, Animal Cognition, Animal Conservation, Applied Animal Behaviour Science, Aquatic Mammals, Ardeola, Auk, Biology Letters, Biological Reviews, Behavioral Ecology, Behavioral Ecology and Sociobiology, Behavioural Processes, Behavior, Biodiversity and Conservation, Biological Conservation, Brain, Behavior and Evolution, Canadian Journal of Zoology, Condor, Conservation Biology, Conservation Letters, Ecography, Ecology, Ecology Letters, Ecological Applications, El Hornero, Environmental Conservation, Ethology, Evolution, Frontiers in Ecology and Evolution, Frontiers in Neuroscience, Functional Ecology, Human Wildlife Conflicts, Ibis, Invertebrate Biology, International Journal of Comparative Psychology, Journal of Animal Ecology, Journal of Avian Biology, Journal of Comparative Psychology, Journal of Ornithology, Journal of the Royal Society Interface, Journal of Zoology, Journal of Wildlife Management, Landscape and Urban Planning, Landscape Ecology, Marine Mammal Science, Naturwissenschaften, Oecologia, Oikos, Ornis Fennica, PLoS ONE, PeerJ, Proceedings of the Royal Society of London B, PNAS, Polar Biology, Science, Scientific Reports, Trends in Ecology and Evolution, Urban Habitats, Wilson Bulletin, Wildlife Biology. |

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| *Funding Agencies* |
| - National Science Foundation (USA) |
| - The Royal Society of London (UK) |
| - BBSRC (Biotechnology and Biological Sciences Research Council) (UK) |
| - NERC (Natural Environment Research Council) (UK)- NSERC (Natural Sciences and Engineering Research Council) (Canada) |
| - Georgian-U.S. Bilateral Grants Program. U.S. Civilian Research & Development Foundation (USA) |
| -Fundacion BBVA (Spain) |
| -Agencia Nacional de Promoción Científica y Tecnológica (Argentina) |
| -National Geographic Society (USA)- Netherlands Organization for Scientific Research (The Netherlands)- Earthwatch (USA) |

*Books*

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| Sinauer Publisher |
| Benjamin Cummings  |
| John Wiley & Sons |

**Chair of symposia in professional society meetings**

- Organizer: International Conference on Conservation Biology in Latin America (March 1999, Madrid, Spain).

- Chair: Conservation Behavior Symposium. Animal Behavior Society Meeting 2007. Vermont, USA.

- Co-Chair: Symposium on “Trends in Conservation Behavior” for the 2013 Animal Behavior Society meeting in Boulder, Colorado (in collaboration with Bruce Schulte from University of Western Kentucky).

- Co-Chair: Symposium on “[Effects of plasticity and individual variation in sensory biology on sexual selection](http://www.colorado.edu/ABS2013/ABS%20Symposium%20Sensory%20Biology%20and%20Sexual%20Selection.html)” for the 2013 Animal Behavior Society meeting in Boulder, Colorado (in collaboration with Jeff Lucas from Purdue University)

**Advisory committees**

- Advisory Committees for the Green Visions Plan (University of Southern California), 2005

- Palos Verdes Peninsula Land Conservancy Science Advisory Panel, 2007-2008

- Science Advisory Committee for the Spanish Ethological Meeting 2008 in Valencia, Spain.

- Science Advisory Committee for the Spanish Ethological Meeting 2011 in Madrid, Spain

- Steering Committee, Bald and Golden Eagle Detection and Deterrent Technologies Research Gaps and Solutions Workshop, December 2015, Denver, Colorado.

**Miscellaneous**

- Co-organizer: International Course on the Management of Protected Areas (February 2000, Sevilla, Spain).

- Co-organizer: International Course on the Management of Threatened Populations (November 1999, Honduras).

**-** Science Fair Reviewer – Long Beach Unified School District, 2007.

**University Service at California State University Long Beach**

- 2005: Ad-hoc committee to evaluate graduate program for the Department of Biological Sciences Self-Study.

- 2005: Search committee for a Neurobiologist at the Department of Biological Sciences.

- 2005: Ad-hoc committee for the elaboration of the Policies and Regulations of the Vertebrate Museum.

- 2005: Ad-hoc committee to assess changes in the Curriculum of the Environmental Science and Policy program.

- 2006-2008: Graduate Studies Committee.

- 2006-2007: Senator representing the Department of Biological Sciences at the Academic Senate.

- 2007-2008: College Council Committee.

- 2007-2008: International Education Committee.

**University Service at Purdue University**

- 2009: Review of applications for the Yeunkyung Woo grad travel awards

- 2010-2011, and 2011-2012: Convener of the Qualifier Committee for the Ecology & Evolutionary Biology Cluster

- 2009-2010: Member of the Graduate Admissions Committee

- 2009-present: Ross Reserve committee

**-** 2012: Department External Review Committee (EEB Cluster representative)

- 2012: Leading Hire Committee (EEB Cluster representative)

- 2013: Evolutionary Ecology Faculty Search Committee

- 2013: Faculty retreat committee (May 2013)

- 2013-present: Laboratory Animal Facility Advisory Committee

- 2010-2014: Convener of the Graduate Admissions Committee

- 2013-2014: Sensory Biology Faculty Search Committee

- 2014-2015: Future of the Department ad-hoc committee

- 2014 to present: Convener of the Ecology and Evolutionary Biology Cluster

- 2012 to present: Member of the Ross Reserve Committee

- 2014 to present: Tenure and promotion committees: Mark Christie, Ximena Bernal, Alex Chubykin, and Catherine Searle.

- 2015 to present: Member of the Graduate Advanced Studies Committee.

- 2015 to present: Member of the Faculty and Alumni Recognition Committee.

- 2015 to present: Member of the Space & Facilities Operations Committee.

- 2017: ad-hoc committee to review different research performance metrics in academia.

###### OTHER WORK EXPERIENCE

*Research Assistant*

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| 1999 | Winter survey of urban birds in the city of Madrid. Ornithological Spanish Society (SEO), Spain. |
| 1994-1996 | Diving and foraging behavior of the South American sea lion (*Otaria flavescens*). University of Guelph, Canada, and Centro Nacional Patagonico, Argentina.  |
| 1995 | Comparative study of the vocal behavior of sea lions. University of California at Santa Cruz, USA.  |
| 1995 | Captive breeding program for two parrot species, *Amazona aestiva* and *Amazona brasiliensis*. Zoological Park of Córdoba. Córdoba, Argentina. |
| 1994 | Reproductive behavior of the Southern sea lion (*Otaria flavescens*) in Peninsula Valdes, Argentina. Museo Argentino de Ciencias Naturales Bernardino Rivadavia, Buenos Aires, Argentina.  |
| 1994 | Health status of Magellanic Penguin populations. Patagonia, Argentina. Wildlife Conservation Society.  |

*Consultant*

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| 1998 | Translation (Spanish-English) of a report about the current status of tuna and swordfish fisheries in Spain. WWF Endangered Seas Campaign (UK) and TRAFFIC Europe.  |

###### PROFESSIONAL MEMBERSHIPS

(1) Animal Behavior Society, (2) International Society for Behavioral Ecology, (3) American Ornithological Society, (4) American Association of University Professors