

Juan Felipe Duque

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EDUCATION

- Ph.D –University of Nebraska-Lincoln** ABD- Expected August 2018
Psychology: Neuroscience & Behavior program
Advisor: Jeffrey Stevens
Committee Members: Jeffrey Stevens, Daizaburo Shizuka, Daniel Leger, Jeffrey French
- M.A. –University of Nebraska-Lincoln** 2016
Psychology: Neuroscience & Behavior program
Advisor: Jeffrey Stevens
- B.S. –University of Maryland-College Park** 2011
Honors Psychology, neuroscience minor (*cum laude*)
Thesis advisor: David Yager

TEACHING EXPERIENCE

Instructor or Teaching Assistant:

- *Upcoming Spring 2018: Instructor for **Brain and Behavior***
- Fall 2017: Instructor for **Behavioral Neuroscience**
- Summer 2017: Instructor for **Brain and Behavior**
- Summer 2017: Instructor for **Learning and Motivation**
- Summer 2016: Instructor for **Learning and Motivation**
- Spring 2016: Teaching Assistant and lecturer for **Perception**
- Fall 2015: Teaching Assistant and lecturer for **Drugs & Behavior**
- Fall 2015: Teaching Assistant and lecturer for **Evolution, Behavior, and Society**
- Spring 2015: Teaching Assistant and lecturer for **Introductory Psychology**
- Fall 2014: Teaching Assistant and lecturer for **Introductory Psychology**

Guest Lectures:

- **Introductory Psychology** “Disorders and Therapy”
(Fall 2017) *Nebraska Wesleyan University*
- **Basic Learning Principles** “Animal Cognition”
(Fall 2017) *Nebraska Wesleyan University*
- **Evolution, Behavior, and Society** “Sexual Selection”
(Fall 2016) *University of Nebraska-Lincoln*
- **Learning Processes** “Sensation and Perception”
(Spring 2016, Spring 2017) *University of Nebraska-Lincoln*
- **Learning Processes** “Animal Communication”
(Spring 2016, Spring 2017) *University of Nebraska-Lincoln*
- **Drugs & Behavior** “Public Health Model and Primary Prevention”
(Fall 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Research Methods”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Biopsychology”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Learning”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*

- **Introductory Psychology** “Biopsychology”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Learning”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Memory”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Animal Intelligence”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Perception”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Sex and Gender”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Development”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Psychological Disorders”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Psychological Disorders & Law”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Social Psychology”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Introductory Psychology** “Biopsychosocial Model: Body-Person-World”
(Fall 2014, Spring 2015) *University of Nebraska-Lincoln*
- **Learning Processes** “Animal Social Cognition”
(Spring 2013, Spring 2014, Spring 2015, Spring 2016) *University of Nebraska-Lincoln*

PROFESSIONAL DEVELOPMENT EXPERIENCE

- **Science Communication Workshop: Designing a Vivid Message** – UNL Office of Research and Economic Development; *one half-day interactive workshop on effective techniques for ‘making messages stick’ (Fall 2017)*
- **Teaching and Learning Symposium** –UNL Office of Executive Vice Chancellor; *one half-day interactive workshop on effective course design and increasing student engagement/motivation (Fall 2017)*
- **SPIT Camp** –UNL Salivary Bioscience Lab; *two full-day training involving theory, practical application, and interactive laboratory demonstrations (Spring 2017)*
- **“Communicating Science through Outreach”** –UNL course in collaboration with local community center; *UNL students visit a local middle school weekly to engage youth in inquiry-based science activities (Spring 2016)*
- **“Write Winning Grant Proposals”** –UNL Office of Research and Economic Development; *full-day workshop to augment grant preparation and writing (Spring 2014)*
- **12th Summer Institute on Bounded Rationality: Decision Making in a Social World** – Max Planck Institute for Human Development; *one-week intensive workshop on bounded rationality, involving well-known guest speakers and hands-on training (Summer 2013)*

OUTREACH & BROADER IMPACT

- 2017 **Sunday with a Scientist: Celebrating Birds! “Migration Adventure”**, University of Nebraska State Museum, Lincoln, Nebraska
- 2017 **Sunday with a Scientist: Junior Scientists!** (collaboration with Lincoln Public Schools), University of Nebraska State Museum, Lincoln, Nebraska
- 2017 **Science Education Outreach course** with Lincoln Public Schools and local [community learning center](#), University of Nebraska, Lincoln, Nebraska

- 2016 **Sunday with a Scientist: Predators!** “Microscopic Predators”, University of Nebraska State Museum, Lincoln, Nebraska
- 2016 **Animal Behavior Outreach Fair: “Whose Brain is it Anyway?!”**, Animal Behavior Society, Columbia, Missouri
- 2016 **Sunday with a Scientist: BrainStorm!** “Whose Brain is it Anyway?!” , University of Nebraska State Museum, Lincoln, Nebraska
- 2014 **Animal Behavior Outreach Fair: “Swordtail Mates”**, Animal Behavior Society, Princeton, New Jersey
- 2013 **Animal Behavior Outreach Fair: “Swordtail Mates”**, Animal Behavior Society, Boulder, Colorado

SERVICE

- 2017 Psychology representative for Graduate Student Focus Group on development of UNL Center for Teaching and Learning (nominated by Department Chair).
- 2017 Evaluator for undergraduate presentations for McNair Scholars Program Summer Research Colloquium.
- 2015-2016 Graduate Student Representative for the Psychology: Neuroscience and Behavior Program.
- 2015-2016 Graduate Student Representative for the Department of Psychology Grievance Committee.

RESEARCH POSITIONS/EXPERIENCE

Adaptive Decision Making Lab & Center for Avian Cognition (Jeffrey Stevens)

Graduate Student 2012-Present

Current Projects:

The social cognition of food sharing in pinyon jays

Individual differences in behavior, physiology, and prosocial behavior

Does alphabetizing in-text citations result in a citation bias for early letter last names?

Smithsonian National Zoological Park (Francys Subiaul)

Great Ape Researcher 2012

Primate Enrichment Intern 2011

Insect Auditory Evolution Lab (David Yager)

Research Assistant 2012

Undergraduate Honors Thesis: 2012

“Multimodal integration in the praying mantis: Visual information both enhances and inhibits the descending CNS responses to ultrasound of *Parasphendale agrionina*”

GRANTS AND AWARDS

- UNL Psychology RAC/Warden Research Fellowship 2017 \$496
- National Science Foundation Graduate Research Fellowship (2012-2017) \$42,000
- Animal Behavior Society Diversity Award 2016 \$125
- UNL Psychology RAC/Warden Travel Fellowship 2016 \$150
- UNL Psychology RAC/Warden Travel Fellowship 2015 \$150
- UNL Othmer Fellowship (2012-2015) \$8,000

PUBLICATIONS

Stevens, J.R., & Duque, J.F. (2017). Order matters: Alphabetizing in-text citations biases citation rates, *Psychonomic Bulletin & Review* (in review).

- Pittenger, S.T., Chou, S., Barrett, S.T., Loh, O., **Duque, J.F.**, Li, M., & Bevins, R.A. (2017) Investigation of sex-dependent neural substrates correlated with methamphetamine-primed reinstatement, *Neuropharmacology (in review)*.
- Duque, J.F.** & Stevens, J.R. (2017). Cylinder task. In J. Vonk & T.K. Shackelford (Eds.), *Encyclopedia of animal cognition and behavior*. New York: Springer.
- Stevens, J.R., & **Duque, J.F.** (2016). The psychology of reciprocal altruism. In T.K. Shackelford & V.A. Weekes-Shackelford (Eds.), *Encyclopedia of evolutionary psychological science*. New York: Springer.
- Duque, J.F.**, & Stevens, J.R. (2016). Voluntary food sharing in pinyon jays: the role of reciprocity and dominance. *Animal Behaviour*, 122, 135–144.
<https://doi.org/10.1016/j.anbehav.2016.09.020>

In preparation:

- Duque, J.F.**, Lechner, W., Ahmann, H., Howell, M., Rodriguez, A., & Stevens, J.R. (*in preparation*). Pinyon jay prosociality is enhanced by mesotocin administration.
- Duque, J.F.**, Rodriguez, A., Howell, M., Rasmussen, T. & Stevens, J.R. (*in preparation*). Oxytocin administration strengthens social bond in a dyadic setting, but does not carry over to long-term bonds in a group setting.
- Duque, J.F.** & Stevens, J.R. (*in preparation*). Behavioral consistency, or lack thereof, in pinyon jays across time and context.

CONFERENCE/POSTER PRESENTATIONS

- 2016 **Duque, J.F.** & Stevens, J.R. “Corvid Personality: exploring the behavioral variation present in Pinyon Jays (*Gymnorhinus cyanocephalus*)”, Animal Behavior Society, Columbia, Missouri
- 2015 **Duque, J.F.** & Stevens, J.R. “Spontaneous Food Sharing in Pinyon Jays: Testing the role of Reciprocity and Dominance”, Animal Behavior Society, Anchorage, Alaska
- 2014 **Duque, J.F.** & Stevens, J.R. “Food Sharing in Pinyon Jays: Audience Effects and the Role of Oxytocin”, Animal Behavior Society, Princeton, New Jersey
- 2014 **Duque, J.F.** & Stevens, J.R. “What Underlies Prosocial Behaviors. Role of an Audience in Pinyon Jay Food Sharing”, Nebraska Symposium on Motivation: Cooperation & Compliance with Authority, Lincoln, Nebraska
- 2014 **Duque, J.F.** & Stevens, J.R. “What Underlies Prosocial Behaviors. Role of an Audience in Pinyon Jay Food Sharing”, Comparative Cognition Conference, Melbourne, Florida
- 2013 **Duque, J.F.** & Stevens, J.R. “Pinyon Jays voluntarily share food with others....*Sometimes?* The Role of Dominance and Reciprocity in Food Sharing”, Comparative Cognition Conference Fall Meeting, Toronto, Canada (**oral presentation**)
- 2013 **Duque, J.F.** & Stevens, J.R. “Pinyon Jays voluntarily share food with others....sometimes? The Role of Dominance and Reciprocity in Food Sharing”, Psychonomics, Toronto, Canada
- 2013 **Duque, J.F.** & Stevens, J.R. “Pinyon Jays voluntarily share food with others....sometimes? Factors influencing prosocial behavior”, Animal Behavior Society, Boulder, Colorado
- 2013 **Duque, J.F.** & Stevens, J.R. “Prosocial Decisions in Pinyon Jay Social Networks”, Max Planck Summer Institute on Bounded Rationality, Berlin, Germany
- 2013 **Duque, J.F.** & Stevens, J.R. “Pinyon Jays voluntarily share food with others....sometimes? Factors influencing prosocial behavior”, Comparative Cognition Conference, Melbourne, Florida
- 2012 **Duque, J.F.**, Freudenberger, K.F., & Yager, D.D. “Multimodal integration in praying mantis audition: Visual information modulates the descending ultrasound- evoked CNS responses of parasphendale agrionina”, Society for Integrative & Comparative Biology, Charleston, South Carolina
- 2011 **Duque, J.F.** & Yager, D.D. “Multimodal Integration In The Praying Mantis: Visual

Information Both Enhances And Inhibits The Descending CNS Responses To Ultrasound Of *Parasphendale agrionina*” Honors Thesis Dissertation Defense at the Dept. of Psychology, University of Maryland, College Park, Maryland (*talk*)

2011 **Duque, J.F.** & Yager, D.D. “Multimodal Integration In The Praying Mantis: Visual Information Both Enhances And Inhibits The Descending CNS Responses To Ultrasound Of *Parasphendale agrionina*”, Undergraduate Research Day, University of Maryland, College Park, Maryland

2011 **Duque, J.F.** & Yager, D.D. “Multimodal Integration In The Praying Mantis: Visual Information Both Enhances And Inhibits The Descending CNS Responses To Ultrasound Of *Parasphendale agrionina*”, Biennial Research Symposium, Morgan State University, Baltimore, Maryland

2010 **Duque, J.F.**, Brockett, A., Jamil, A., Rouzi, M., & Seyoum, S. “Hearing in the Praying Mantis: Lighting condition affects descending auditory response”, Annual Bioscience Day, University of Maryland, College Park, Maryland