# DUSTIN R. RUBENSTEIN

*Thomas Hunt Morgan Professor of Conservation Biology*
*Executive Director, National Synthesis Center for Organismal Resilience (NSCORE)*

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## CURRENT RESEARCH AREAS AND APPROACHES

- animal behavior, behavioral ecology, evolutionary biology, evolutionary ecology
- social behavior, cooperation, natural selection, kin selection, sexual selection, social conflict
- environmental change, environmental coping, stress physiology, behavioral endocrinology
- epigenetics, functional genomics, evolutionary genetics, population genetics, gene expression
- mathematical modeling, game theory, evolutionary simulations, phylogenetic comparative methods
- artificial intelligence, machine learning, computer vision, sound analysis, color evolution, phenotyping

## EDUCATION

| | |
|---|---|
| Postdoc | University of California, Berkeley, Integrative Biology & Museum of Vertebrate Zoology, 2006 – 2009 |
| Ph.D. | Cornell University, Neurobiology and Behavior, 2006 |
| A.B. | Dartmouth College, Biology & Environmental Studies & Earth Sciences (cum laude, high honors), 1999 |

## POSITIONS

### *APPOINTMENTS*

| | |
|---|---|
| 2026 – | Executive Director, National Synthesis Center for Organismal Resilience (NSCORE) |
| 2025 – | Thomas Hunt Morgan Professor of Conservation Biology, Columbia University |
| 2021 – | Professor, Department of Ecology, Evolution and Environmental Biology, Columbia University |

### *AFFILIATIONS*

| | |
|---|---|
| 2026 – | Sigma Xi Distinguished Lecturer |
| 2021 – | Affiliate Member, Data Science Institute, Columbia University |
| 2021 – | Affiliate Scientist, Wildlife Research Training Institute, Kenya |
| 2018 – | Affiliate Member, Zuckerman Mind Brain Behavior Institute, Columbia University |
| 2014 – | Founding Chair, The University Seminar in the Integrative Study of Animal Behavior, Columbia University |
| 2011 – | Faculty Mentor, Program in Neurobiology and Behavior, Columbia University |
| 2010 – | Research Associate, Division of Vertebrate Zoology, American Museum of Natural History |
| 2001 – | Affiliate Scientist, Mpala Research Centre |

### *PREVIOUS*

| | |
|---|---|
| 2023 – 2026 | Director of Graduate Studies, Dept of Ecology, Evolution and Environmental Biology, Columbia University |
| 2024 – 2025 | Core Group Member, Biology & Neuroscience and Autism Science, Simons Foundation |
| 2012 – 2023 | Founding Director, Program in Tropical Biology and Sustainability, Columbia University |
| 2015 – 2023 | Founding Director, Center for Integrative Animal Behavior, Columbia University |
| 2016 – 2021 | Associate Professor (tenured), Department of Ecology, Evolution and Env Biology, Columbia University |
| 2015 – 2020 | Affiliate Faculty, Center for Integrative Animal Behavior, Columbia University |
| 2015 – 2020 | Affiliate Faculty, Initiative on Extreme Weather and Climate, Columbia University |
| 2018 – 2020 | Founding Co-Director, sTEAM Fellows Program, Columbia University |
| 2001 – 2017 | Affiliate Scientist, Ornithology Section, National Museums of Kenya |
| 2014 – 2021 | Affiliate Scientist, Kenya Wildlife Service |
| 2014 – 2016 | Associate Professor (untenured), Department of Ecology, Evolution and Env Biology, Columbia University |
| 2010 – 2014 | Co-Chair, The University Seminar in Population Biology, Columbia University |
| 2009 – 2014 | Assistant Professor, Department of Ecology, Evolution and Environmental Biology, Columbia University |
| 2006 – 2014 | Lab Associate, Fuller Evolutionary Biology Program, Cornell Lab of Ornithology |
| 2005 – 2010 | Visiting Lecturer, Department of Ecology and Evolutionary Biology, Cornell University |
| 2006 – 2009 | Miller Research Fellow, Integrative Biology & Museum Vert Zoology, University of California, Berkeley |
| 2005 – 2006 | Excellence Fellow, Cornell University |
| 2000 – 2005 | Howard Hughes Medical Institute Predoctoral Fellow, Cornell University |
| 2003 – 2004 | Smithsonian Institution Predoctoral Fellow, Smithsonian Tropical Research Institute |
| 1999 – 2000 | Reynolds Scholar, Dartmouth College |

## HONORS & AWARDS

| | |
|---|---|
| 2026 | Fellow, Animal Behavior Society |
| 2026 | Natural Sciences Commitment Service Award, Columbia University |
| 2025 | Sigma Xi Distinguished Lecturer |
| 2025 | Thomas Hunt Morgan Endowed Professorship, Columbia University |
| 2024 | Provost's Senior Faculty Teaching Scholar, Columbia University |
| 2021 | Fellow, American Association for the Advancement of Science |
| 2020 | Best of Trends 2019: Best Review in *Trends in Ecology & Evolution* |
| 2018 | Society of Columbia Graduates' Great Teacher Award |
| 2018 | Fellow, American Ornithological Society |
| 2018, 2017 | Columbia University Nomination for Blavatnik Award |
| 2017 | Lenfest Distinguished Faculty Award, Columbia University |
| 2016 | National Academies Education Fellow in the Sciences |
| 2014 | National Geographic Explorer |
| 2013 | Elective Member, American Ornithologists' Union |
| 2012 | Kavli Fellow, National Academy of Sciences |
| 2011 | Sackler Colloquium, Invited Speaker, National Academy of Sciences |
| 2010 | Outstanding New Investigator Award, Animal Behavior Society |
| 2010 | Ned K. Johnson Young Investigator Award, American Ornithologists' Union |
| 2010 | Faculty of 1000, Contributing Faculty Member |
| 2010 | Columbia University Nomination for Packard Fellowship for Science and Engineering |
| 2010 | Distinguished Graduates Hall of Fame, Hopewell Valley Central High School |
| 2008 | Young Investigators Symposium, American Ornithologists' Union |
| 2007 | Young Scientists Symposium, University of Michigan |
| 2006 | Young Investigator Award, Society for Behavioral Neuroendocrinology |
| 2006 | Society of Sigma Xi, Full Member, Cornell University |
| 2004 | Poster Award, Society for Behavioral Neuroendocrinology |
| 2001 | Presentation Award, Society for Conservation Biology |
| 1999 | First Prize, 8th Annual Karen E. Wetterhahn Science Symposium, Dartmouth College |
| 1999 | Florence Fletcher Charles Botany Prize, Dartmouth College Department of Biological Sciences |
| 1999 | Society of Sigma Xi, Associate Member, Dartmouth College |
| 1999 | Second Honor Group, Dartmouth College |
| 1998 | Third Honor Group, Dartmouth College |
| 1997 | Citation of Academic Achievement, Dartmouth College Department of Earth Sciences |
| 1994 | Finalist, International Science and Engineering Fair |
| 1994 | Grand Prize, Mercer Science and Engineering Fair |

## FELLOWSHIPS & GRANTS

### *FELLOWSHIPS*

| | |
|---|---|
| 2025 | Visiting Researcher Fellowship, Macquarie University |
| 2006 – 2009 | Miller Research Fellowship, University of California, Berkeley |
| 2006 – 2009 | Council on Science and Technology Postdoctoral Fellowship, Princeton University (declined) |
| 2003 – 2004 | Smithsonian Institution Predoctoral Fellowship, Smithsonian Tropical Research Institute |
| 2000 – 2005 | Howard Hughes Medical Institute Predoctoral Fellowship in Biological Sciences |
| 2000 – 2003 | National Science Foundation Graduate Research Fellowship (declined) |
| 2000 – 2001 | College of Agriculture and Life Sciences Excellence Fellowship, Cornell University (deferred) |
| 1999 – 2000 | James B. Reynolds Scholarship for Study Abroad, Dartmouth College |

### *GRANTS*

| | |
|---|---|
| 2026 – 2029 | Columbia Global Innovation Award (PI with Lily Xu) |
| 2026 – 2031 | National Science Foundation, IOS/DBI Synthesis Center (PI with multiple Co-PIs) |
| 2026 – 2027 | National Science Foundation, Directorate for Biological Sciences (Workshop) |
| 2026 – 2027 | Propelling Hope Research Fund, Columbia University |
| 2025 – 2028 | National Science Foundation, DEB Evolutionary Processes (PI with P Kennedy [NERC-UK]) |
| 2025 – 2026 | Research Stabilization Fund, Columbia University |
| 2024 – 2025 | Defense Advanced Research Projects Agency (DARPA) (one of multiple Co-PIs) |
| 2022 – 2026 | Australian Research Council (Co-PI with R Firman) |
| 2021 – 2025 | Australian Research Council (Co-PI with M Whiting, G While) |
| 2018 – 2019 | Global Scholars Program, Columbia University |

2018 – 2020 Provost's Large-Scale Teaching & Learning Grant, Columbia University (PI with D Kelley)
2017 – 2021 National Science Foundation, IOS Physiological and Structural Systems
2016 – 2017 National Science Foundation, IOS Behavioral Systems (Meeting) (PI with B Dantzer)
2016 – 2017 Conference Grant, Columbia University Seminars
2015 – 2017 National Science Foundation, IOS Behavioral Systems (DDIG) (PI with S Guindre-Parker)
2014 – 2017 President's Global Innovation Fund, Columbia University
2014 – 2016 National Science Foundation, IOS Behavioral Systems (Workshop) (PI with H Hofmann)
2014 – 2015 National Geographic Society
2013 – 2017 National Science Foundation, IOS Behavioral Systems
2013 National Science Foundation, IOS Behavioral Systems (REU Supplement)
2012 – 2015 National Science Foundation, Extreme Science and Engineering Discovery Environment (XSEDE)
2011 – 2014 National Science Foundation, IOS Behavioral Systems
2011 – 2013 National Evolutionary Synthesis Center (NESCent) (PI with E Lacey, S Phelps, N Solomon)
2011 – 2012 National Evolutionary Synthesis Center (NESCent) (Co-PI with J Fewell, J Hunt)
2011 Earth Institute Research Assistantship, Columbia University Earth Institute
2010 Earth Institute Research Assistantship, Columbia University Earth Institute
2010 Earth Institute Course Field Work Support Grant, Columbia University Earth Institute
2010 Conference Grant, Columbia University Seminars (PI with M Levandowsky)

***GRADUATE AND POSTDOC GRANTS***

2008 Conference Travel Award, National Academy of Sciences
2008 Conference Travel Award, American Ornithologists' Union
2007 National Science Foundation Research Coordination Network Exchange Visit, E-BIRD
2006 Student Research Grant in Animal Behavior, Cornell University
2006 National Science Foundation Travel Award, North American Ornithological Congress
2006 Conference Travel Award, International Society for Behavioral Ecology (declined)
2006 Conference Transportation Grant, Cornell University Graduate School
2005 – 2008 National Science Foundation, Systematic Biology (senior personnel with I Lovette)
2005 Lerner-Gray Grant for Marine Research, American Museum of Natural History
2005 Sigma Xi Grant-in-Aid of Research
2005 Walter E. Benning Fund Scholarship, Cornell Lab of Ornithology
2005 Research Travel Grant, Cornell University Graduate School
2005 Cornell Sigma Xi Research Grant
2005 Student Research Grant in Animal Behavior, Cornell University
2005 Conference Travel Award, Society for Behavioral Neuroendocrinology
2005 Conference Transportation Grant, Cornell University Graduate School
2004 – 2005 National Science Foundation, Doctoral Dissertation Improvement Grant (Co-PI with S Emlen)
2004 Bentinck-Smith Fund, Cornell University (Co-PI with I Lovette)
2004 Animal Behavior Society Student Research Grant
2004 Cornell Sigma Xi Research Grant
2004 Walter E. Benning Fund Scholarship, Cornell Lab of Ornithology
2004 Paul A. Stewart Award, Wilson Ornithological Society
2004 Student Research Grant in Animal Behavior, Cornell University
2004 Frank M. Chapman Memorial Fund Grant, American Museum of Natural History
2004 Research Travel Grant, Cornell University Graduate School
2004 Conference Travel Award, International Society for Behavioral Ecology
2004 Conference Transportation Grant, Cornell University Graduate School
2003 Society for Integrative and Comparative Biology Grant-in-Aid of Research
2003 Cornell Sigma Xi Research Grant
2003 Walter E. Benning Fund Scholarship, Cornell Lab of Ornithology
2003 Andrew W. Mellon Foundation Student Research Grant, Cornell University
2003 Harvard Travellers Club Permanent Fund Grant
2003 Research Travel Grant, Cornell University Graduate School
2003 Student Conference Support, Society for Integrative and Comparative Biology
2003 Conference Transportation Grant, Cornell University Graduate School
2002 Cornell Sigma Xi Research Grant
2002 Walter E. Benning Fund Scholarship, Cornell Lab of Ornithology
2002 Frank M. Chapman Memorial Fund Grant, American Museum of Natural History
2002 Andrew W. Mellon Foundation Student Research Grant, Cornell University

2002 American Ornithologists' Union Research Award
2002 Research Travel Grant, Cornell University Graduate School
2002 American Ornithologists' Union Membership Grant
2002 Conference Transportation Grant, Cornell University Graduate School
2001 Cornell Sigma Xi Research Grant
2001 Mario Einaudi Center for International Studies Research Travel Grant, Cornell University
2001 Conference Transportation Grant, Cornell University Graduate School
2001 Student Travel Award, Society for Conservation Biology

***UNDERGRADUATE GRANTS***

1999 Harvard Travellers Club Permanent Fund Grant
1999 Explorers Club Youth Activity Fund Grant
1999 Class of 1939 Senior Scholars Program Grant, Dartmouth College
1998 Howard Hughes Research Internship, Dartmouth College
1998 Andrew W. Mellon Foundation Student Research Grant, Dartmouth College
1998 Richter Senior Honors Thesis Research Grant, Dartmouth College
1996 First-Year Summer Research Project Grant, Dartmouth College
1996 Summer Research Experience for Undergraduates (REU), American Museum of Natural History (declined)

## PUBLICATIONS

***BOOKS***

4. Kennedy P and **Rubenstein DR**. Target 2028. ***Kin Selection: An Introduction***. Princeton University Press, Princeton.
3. **Rubenstein DR**. 2022. ***Animal Behavior, 12th Edition***. Oxford University Press, New York.
2. **Rubenstein DR** and J Alcock. 2018. ***Animal Behavior, 11th Edition***. Oxford University Press, New York.
1. **Rubenstein DR** and P Abbot. 2017. ***Comparative Social Evolution***. Cambridge University Press, Cambridge.

***IN PREPARATION***

164. Wei C-H, G-S Mai, **DR Rubenstein**, I-C Chen and S-F Shen. Deep history and repeated convergence in the shape of butterfly wings.
163. Shen S-F and **DR Rubenstein**. Cooperation as an investment in common goods.
162. **Rubenstein DR**, S-F Shen, DI Rubenstein and A Jordan. Behavioral biology in the age of AI.
161. Chan S-F, **DR Rubenstein**, C-Y Chang, M Liu, C-F Chang, S-P Huang, Y-H Lin, Y-Y Chen, Y-C Li, S-C Chan and S-F Shen. Climate and interspecific competition jointly set range limits at a demographic bottleneck.
160. Shen S-F and **DR Rubenstein.** The spatial geometry of cooperation in fluctuating environments.
159. Lake J, MJ Whiting, **DR Rubenstein**, J Solomon, D Hoops, V Russell, O Young and GM While. Inhibition of infanticide via appetite-related genes may underpin family-living in a social skink.
158. Garcia-Ruiz I, P Kennedy and **DR Rubenstein**. Environmental harshness promotes reproductive sharing.
157. Wen Y-H, G-S Mai, **DR Rubenstein**, S Wu, M Liu and S-F Shen. Core trait stability drives morphological innovation in Lepidoptera.
156. Chen B-F, Y-C Liu, C-F Chang, P Wang, Y Haba, H Chen, S-P Huang, H-Y Tsai, Y-M Fan, T-N Yuan, H-H Lee, H-M Ke, C-YI Lin, IJ Tsai, **DR Rubenstein** and S-F Shen. An ancient supergene couples day length to reproductive ecotypes in a burying beetle.
155. Earl AD, GG Carter and **DR Rubenstein**. Drivers of social role switching across individual lifetimes within an avian cooperatively breeding society.
154. Earl AD and **DR Rubenstein**. Genetic and nongenetic contributions to individual variation in social roles in an avian cooperative breeder.
153. Chang C-F, S-F Chan, M Liu, **DR Rubenstein**, S-P Huang, S-C Chan, Y-Y Chen, Y-H Lin, Y Tang and S-F Shen. Interspecific competition constrains the elevational distribution of social insects through suppression of cooperation.

***SUBMITTED***

152. Campolongo EG, ER Sokol, M Downs, G Glenne, GE Maurer, S Record, **DR Rubenstein**, MJ Thompson, C Laney, H Lapp, M Tarjan and T Berger-Wolf. From FAIR to AI-FAIR: metadata-first infrastructure for AI-enabled science.
151. Chen Y-Y, G-S Mai, **DR Rubenstein**, C-H Wei and S-F Shen. MorphQ: a self-supervised framework for reproducible quantification and visualization of organismal morphology from images.
150. Firman RC, J Jeong, D Weisz, O Dudchenko, EL Aiden, J Solomon and **DR Rubenstein**. Genomic signatures of Pleistocene climatic fluctuation in Australian pebble mound mice.
149. Shen S-F and **DR Rubenstein**. The ecology and evolution of cooperative breeding: linking dual benefits theory and inclusive fitness theory.
148. Chang C-F, S-C Chan, Y-C Liu, B-F Chen, J Mai, Y-H Li, M Liu, **DR Rubenstein** and S-F Shen. The emergence of non-kin cooperation under ecological pressure.

147. Mai G-S, Y-H Wen, A Rolland, **DR Rubenstein**, S Wu, J-C Lin, M Liu, C-K Tang and S-F Shen. Generative AI reveals how natural and sexual selection vary across an environmental gradient to shape sexual dimorphism in moths.
146. Lake J, GM While, P Lange, AG Ophir, **DR Rubenstein** and MJ Whiting. The effect of vasotocin on social recognition in juvenile bluetongue skinks.
145. Firman RC and **DR Rubenstein**. The thermal benefits of a mound-burrow system in a semi-desert Australian landscape: will this pebble fortress provide refuge from climate change?
144. Kua K-L, G-S Mai, **DR Rubenstein**, P-F Lee and S-F Shen. SEAM-SDM: a modular deep-learning species distribution model.
143. Li Y-C, **DR Rubenstein**, S-C Lin, G-S Mai, M Liu and S-F Shen. Temperature dependence of collective behavior varies with coordination complexity in social insects.
142. Siller Wilks SJ, DF Westneat, BJ Heidinger, J Solomon and **DR Rubenstein**. Developmental patterns of DNA methylation predict sex-specific long-term fitness in wild house sparrows (*Passer domesticus*).
141. Mai J, C-H Wei, J-P Huang, Y-H Wen, J-C Lin, S Wu, M Liu, **DR Rubenstein** and S-F Shen. The rise of morphological variation in moths and butterflies.

***RESEARCH ARTICLES***

140. **Rubenstein DR**. 2027. Avian mating and social systems. In ***The Cornell Lab of Ornithology Handbook of Bird Biology, 4th Edition*** (Lovette IJ and JA Walsh, eds.). Princeton University Press, Princeton, In press.
139. **Rubenstein** DR and M Taborsky. 2027. Social complexity in vertebrate societies. ***Behavioral Ecology and Sociobiology*** In press.
138. Kennedy P, M Tindo, PSM Masse, S Kapmegne, R Tcheutchoua, M Keeping, CWW Pirk, AN Radford and **DR Rubenstein**. 2026. Climate shapes geographical variation in cooperation in a wasp spanning sub-Saharan Africa. ***Nature Ecology & Evolution*** In press.
137. Shen S-F, **DR Rubenstein** and M Liu. 2026. The evolution of group size and kin structure in complex societies. ***Royal Society Open Science*** 13:260096.
136. Lake J, GM While, AG Ophir, **DR Rubenstein**, L Witczak Oldfather and MJ Whiting. 2026. Vasotocin influences mother-offspring associations in a facultatively family-living lizard. ***Behavioral Ecology*** 37:arag082.
135. Lake J, MJ Whiting, GM While, D Kabelik, **DR Rubenstein** and D Hoops. 2026. The neural distribution of vasotocin, oxytocin, dopamine and serotonin in two Australian skinks with contrasting social lives. ***The Journal of Comparative Neurology*** 534:e70184.
134. Shen S-F and **DR Rubenstein**. 2026. Climate, cooperation and social evolution. In ***Encyclopedia of Animal Behavior, 3rd Edition*** (Choe J, ed.). Elsevier, New York, pp. 477-487.
133. **Rubenstein DR** and J Solomon. 2026. Endocrine and epigenetic flexibility in an African starling. ***Philosophical Transactions of the Royal Society B*** 381:20250027.
132. Falk JJ, MS Webster and **DR Rubenstein**. 2026. Hypotheses for the adaptive maintenance of phenotypic polymorphisms. ***Ecology and Evolution*** 16:e73493.
131. Garcia-Ruiz I and **DR Rubenstein**. 2026. Fitness drivers of division of labor in vertebrates. ***eLife*** 14:RP105501.
130. Chen B-F, Y-C Li, **DR Rubenstein**, A Rolland, S-J Sun, M Liu, D-P Chen and S-F Shen. 2025. Interspecific competition reduces energy expenditure by decreasing intragroup conflict in a social burying beetle. ***Ecology Letters*** 28:e70300.
129. Ben Mocha Y, M Woith, S Scemama de Gialluly, L Bruscagnin, N Kestel, S Markman, SM Drobniak, V Baglione, J Boersma, L Cousseau, R Covas, GH Braga de Miranda, CJ Dey, C Doutrelant, R Gula, R Heinsohn, O Keynan, SA Kingma, AV Leitao, J Li, L Makuya, K-M Middleton, S Pruett-Jones, AN Radford, C Restrepo, **DR Rubenstein**, C Schradin, J Theuerkauf, MH Warrington, DA Williams, IA Woxvold and M Griesser. 2025. An integrative, peer-reviewed and open-source Cooperative-Breeding Database (Co-BreeD). ***Journal of Animal Ecology*** 94:2597-2614.
128. Greives TJ, J Solomon, S Siller Wilks, H Galante, KB Needham, J Kittilson and **DR Rubenstein**. 2025. A potential role for epigenetic mechanisms enabling appropriate seasonal reproductive transitions of liver yolk-precursor production. ***Journal of Avian Biology*** 2025:e03470.
127. Firman RC, RE Buckley, W De Angelis and **DR Rubenstein**. 2025. A mouse that rocks: camera trapping shows that mound assessment criteria do not reliably predict pebble mouse (*Pseudomys chapmani*) activity. ***Wildlife Research*** 52:WR24209.
126. Chen H, **DR Rubenstein**, G-S Mai, C-F Chang and S-F Shen. 2025. Circadian activity predicts breeding phenology in the Asian burying beetle *Nicrophorus nepalensis.* ***Royal Society Open Science*** 12:250624.
125. Earl AD, GG Carter, AG Berlinger, E Korir, SS Shah, WN Watetu and **DR Rubenstein**. 2025. A cryptic role for reciprocal helping in a cooperatively breeding bird. ***Nature*** 642:381-388.
124. Chan S-F, M Liu, **DR Rubenstein**, Y-A Chung, W Lin, L-Y Liao and S-F Shen. 2025. Assessment across life stages reveals superior habitat suitability in reintroduced historical habitats for an endangered salmon species. ***Journal of Applied Ecology*** 62:1378-1391.
123. Shah SS and **DR Rubenstein**. 2025. Intraspecific variation in group structure arises due to environmentally-mediated directional dispersal in a cooperative breeder. ***Journal of Animal Ecology*** 94:356-367.

122. Chan S-F, **DR Rubenstein**, T-W Wang, Y-Y Chen, I-C Chen, D-Z Ni, W-K Shih and S-F Shen. 2025. Land-use changes influence climate resilience through altered population demography in a social insect. ***Ecological Monographs*** 95:e1638.
121. Wikelski M, M Quetting, J Bates, T Berger-Wolf, G Bohrer, L Börger, T Chapple, M Crofoot, SC Davidson, DKN Dechmann, D Ellis-Soto, ER Ellwood, W Fiedler, A Flack, B Fruth, N Franconi, RW Havmøller, J Hirt, NE Hussey, F Iannarilli, M Landwehr, ME Müller, T Müller, U Müller, RY Oliver, J Partecke, I Pokrovskaya, **DR Rubenstein**, C Rutz, K Safi, A Santangeli, OL van Schalkwyk, ANM Sequeira, S Sherub, T Ramesh, P Viljoen, KA Wasik, TA Wild, S Yanco and R Kays. 2024. Introducing a unique animal ID and digital life history museum for wildlife metadata. ***Methods in Ecology and Evolution*** 15:1777-1788.
120. Potticary AL, MC Belk, JC Creighton, M Ito, R Kilner, J Komdeur, NJ Royle, **DR Rubenstein**, M Schrader, S-F Shen, DS Sikes, PT Smiseth, R Smith, S Steiger, ST Trumbo and AJ Moore. 2024. Revisiting the ecology and evolution of burying beetle behavior (Staphylinidae: Silphinae). ***Ecology and Evolution*** 14:e70175.
119. Siller Wilks SJ, BJ Heidinger, DF Westneat, J Solomon and **DR Rubenstein**. 2024. The impact of parental and developmental stress on DNA methylation in the avian hypothalamic-pituitary-adrenal axis. ***Molecular Ecology*** 33:e17291.
118. Rubenstein DI and **DR Rubenstein**. 2024. Social behavior and animal societies. In ***Encyclopedia of Biodiversity, 3rd Edition*** (Scheiner S, ed.). Elsevier, New York, pp. 61-71.
117. Shen S-F, HK Reeve, ST Emlen, M Liu and **DR Rubenstein**. 2023. Group size and the resolution of insider-outsider conflict in animal societies. ***Animal Behaviour*** 205:107-116.
116. Siller Wilks SJ, DF Westneat, BJ Heidinger, J Solomon and **DR Rubenstein**. 2023. Epigenetic modification of the hypothalamic-pituitary-adrenal (HPA) axis during development in the house sparrow (*Passer domesticus*). ***General and Comparative Endocrinology*** 341:114336.
115. Lin Y-H, Y-Y Chen, **DR Rubenstein**, M Liu, M Liu and S-F Shen. 2023. Environmental quality mediates the ecological dominance of cooperatively breeding birds. ***Ecology Letters*** 26:1145-1156.
114. Chan S-F, **DR Rubenstein**, I-C Chen, Y-M Fan, H-Y Tsai, Y-W Zheng and S-F Shen. 2023. Higher temperature variability in deforested mountain regions impacts the competitive advantage of nocturnal species. ***Proceedings of the Royal Society B*** 290:20230529.
113. Halupka L, D Arlt, J Tolvanen, A Millon, P Bize, P Adamík, P Albert, WJ Arendt, AV Artemyev, V Baglione, J Bańbura, M Bańbura, E Barba, RT Barrett, PH Becker, E Belskii, M Bolton, EK Bowers, J Bried, L Brouwer, M Bukacińska, D Bukaciński, L Bulluck, KF Carstens, I Catry, M Charter, A Chernomorets, R Covas, M Czuchra, DC Dearborn, F de Lope, AS Di Giacomo, VC Dombrovski, H Drummond, MJ Dunn, T Eeva, LM Emmerson, Y Espmark, JA Fargallo, SI Gashkov, EY Golubova, M Griesser, MP Harris, JP Hoover, Z Jagiełło, P Karell, J Kloskowski, WD Koenig, H Kolunen, M Korczak-Abshire, E Korpimäki, I Krams, M Krist, SC Krüger, BD Kuranov, X Lambin, MP Lombardo, A Lyakhov, A Marzal, AP Møller, VC Neves, JT Nielsen, A Numerov, B Orłowska, D Oro, M Öst, RA Phillips, H Pietiäinen, V Polo, J Porkert, J Potti, H Pöysä, T Printemps, J Prop, P Quillfeldt, JA Ramos, P-A Ravussin, RN Rosenfield, A Roulin, **DR Rubenstein**, IE Samusenko, DA Saunders, M Schaub, J Senar, F Sergio, T Solonen, DV Solovyeva, J Stępniewski, PM Thompson, M Tobolka, J Török, M van de Pol, L Vernooij, ME Visser, DF Westneat, NT Wheelwright, J Wiącek, KL Wiebe, AG Wood, A Wuczyński, D Wysocki, M Zárybnická, A Margalida and K Halupka. 2023. The effect of climate change on avian offspring production: a global meta-analysis. ***Proceedings of the National Academy of Sciences USA*** 120:e2208389120.
112. Shah SS and **DR Rubenstein**. 2023. Group augmentation underlies the evolution of complex sociality in the face of environmental instability. ***Proceedings of the National Academy of Sciences USA*** 120:e2212211120.
111. **Rubenstein DR** and J Solomon. 2023. Target-enriched enzymatic methyl sequencing: flexible, scalable and inexpensive hybridization capture for quantifying DNA methylation. ***PLOS ONE*** 18:e0282672.
110. Chak STC, SE Harris, KM Hultgren, JE Duffy and **DR Rubenstein**. 2022. Demographic inference provides insights into the extirpation and ecological dominance of eusocial snapping shrimps. ***Journal of Heredity*** 113:552-562.
109. Falk JJ, **DR Rubenstein**, A Rico-Guevara and MS Webster. 2022. Intersexual social dominance mimicry drives female hummingbird polymorphism. ***Proceedings of the Royal Society B*** 289:20220332.
108. Firman RC, **DR Rubenstein** and BA Buzatto. 2022. The spatial and temporal distribution of females influence the evolution of testes size in Australian rodents. ***Biology Letters*** 18:20220058.
107. Little J, **DR Rubenstein** and S Guindre-Parker. 2022. Plasticity in social behaviour varies with reproductive status in an avian cooperative breeder. ***Proceedings of the Royal Society B*** 289:20220355.
106. Shah SS and **DR Rubenstein**. 2022. Prenatal environmental conditions underlie alternative reproductive tactics that drive the formation of a mixed-kin cooperative society. ***Science Advances*** 8:eabk2220.
105. Chen Y-Y, **DR Rubenstein** and S-F Shen. 2022. Cooperation and lateral forces: moving beyond bottom-up and top-down drivers of animal population dynamics. ***Frontiers in Psychology*** 13:768773.
104. Liu M, **DR Rubenstein**, SA Cheong and S-F Shen. 2021. Antagonistic effects of long- and short-term environmental variation on species coexistence. ***Proceedings of the Royal Society B*** 288:20211491.

103. Falk JJ, MS Webster and **DR Rubenstein**. 2021. Male-like ornamentation in female hummingbirds results from social harassment rather than sexual selection. ***Current Biology*** 31:4381-4387.
102. Guindre-Parker S and **DR Rubenstein**. 2021. Long-term measures of climate unpredictability shape the avian endocrine stress axis. ***The American Naturalist*** 198:394-405.
101. Mazzei R and **DR Rubenstein**. 2021. Larval ecology, dispersal and the evolution of sociality in the sea. ***Ethology*** 127:808-820.
100. Chak STC, SE Harris, KM Hultgren, NW Jeffery and **DR Rubenstein**. 2021. Eusociality in snapping shrimps is associated with larger genomes and an accumulation of transposable elements. ***Proceedings of the National Academy of Sciences USA*** 118:e2025051118.
99. **Rubenstein DR**, A Corvelo, MD MacManes, R Maia, G Narzisi, A Rousaki, P Vandenabeele, M Shawkey and J Solomon. 2021. Feather gene expression elucidates the developmental basis of plumage iridescence in African starlings. ***Journal of Heredity*** 112:417-429.
98. Diamant ES, JJ Falk and **DR Rubenstein**. 2021. Male-like female morphs in hummingbirds: the evolution of a widespread sex-limited plumage polymorphism. ***Proceedings of the Royal Society B*** 288:20203004.
97. Liu M, B-F Chen, **DR Rubenstein** and S-F Shen. 2020. Social rank modulates how environmental quality influences cooperation and conflict within animal societies. ***Proceedings of the Royal Society B*** 287:20201720.
96. Antonson ND, **DR Rubenstein**, ME Hauber and CA Botero. 2020. Ecological uncertainty favours the diversification of host use in avian brood parasites. ***Nature Communications*** 11:4185.
95. Tsai H-Y, **DR Rubenstein**, B-F Chen, M Liu, S-F Chan, D-P Chen, S-J Sun, T-N Yuan and S-F Shen. 2020. Antagonistic effects of intraspecific cooperation and interspecific competition on thermal performance. ***eLife*** 9:e57022.
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***OTHER ARTICLES***

19. **Rubenstein DR**. 2026. The Evolution of Cetacean Societies (Book Review). ***Animal Behaviour*** 238:123664.
18. **Rubenstein DR**. 2026. Birds of a feather flock together (Book Review). ***Current Biology*** 36:R116-R118.
17. **Rubenstein DR** and GG Carter. 2025. Superb starlings swap helper and breeder roles with kin and non-kin (Research Briefing). ***Nature***.
16. **Rubenstein DR**. 2021. Social evolution. ***Henry Stewart Talks***.
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14. **Rubenstein DR** and DI Rubenstein. 2016. From Pleistocene to trophic rewilding: a wolf in sheep's clothing. ***Proceedings of the National Academy of Sciences USA*** 113:E1.
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8. **Rubenstein DR**. 2010. Scientists at work: notes from the field in Kenya. ***The New York Times*** July 13-28, 2010.
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***EDITED VOLUMES***

2. **Rubenstein DR** and HA Hofmann. 2015. New frontiers for the integrative study of animal behavior. ***Current Opinion in Behavioral Sciences*** 6:1-182.
1. **Rubenstein DR**, RO Prum and M Levandowsky. 2012. Sexual selection, social conflict and the female perspective. ***Philosophical Transactions of the Royal Society B*** 367:2248-2375.

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**PRESENTATIONS**

***Invited Seminars***

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| 2026 | Department of Biology, Bard College |
| 2026 | Department of Biology, Chemistry, and Biochemistry, University of Mount Saint Vincent |
| 2026 | Department of Ecology and Conservation Biology, Texas A&M University |
| 2026 | Department of Ecology, Evolution and Environmental Biology, Columbia University |
| 2025 | Department of Biology, Dalhousie University |
| 2025 | Department of Biological Sciences, Florida State University |
| 2025 | Ecology and Evolution Group, Florida State University |
| 2025 | Department of Biological Sciences, Macquarie University |
| 2024 | Department of Integrative Biology, University of Texas at Austin |
| 2024 | Department of Earth, Ocean and Ecological Sciences, University of Liverpool |
| 2023 | Department of Biological Sciences, Macquarie University |
| 2023 | Department of Biological Sciences, University of Tasmania |
| 2023 | Department of Biology, Texas A&M University |
| 2023 | Centre for Evolutionary Biology, School of Biological Sciences, University of Western Australia |
| 2023 | Department of Ecology and Evolutionary Biology, Princeton University |
| 2023 | University Seminar in the Integrative Study of Animal Behavior, Columbia University |
| 2022 | Department of Neurobiology and Behavior, Cornell University (*Graduate Student Invited Speaker*) |
| 2022 | Biology Department, Queens College |
| 2021 | Biology Department, Queen's University |
| 2021 | International Remote Seminar on Frontiers in Social Evolution |
| 2021 | Department of Biological Sciences, North Dakota State University |
| 2021 | Center for Studies in Physics and Biology, Rockefeller University |
| 2020 | Long-Term Animal Research Seminar Series, Duke University |

2020 City University of New York (CUNY) Neuroscience Collaborative, CUNY Graduate Center
2019 Federated Department of Biology, Rutgers University–Newark / New Jersey Institute of Technology
2019 Department of Biological Sciences, Columbia University
2018 Program in Ecology, Evolution and Conservation, University of Illinois, Urbana
2018 Institute of Ecology and Evolution, University of Bern
2018 Richard Gilder Graduate School, American Museum of Natural History
2017 Department of Collective Behaviour, University of Konstanz
2017 Division of Integrative Biology, University of South Florida
2017 Biodiversity Research Center, Academia Sinica, Taiwan
2017 Department of Biology, University of Kentucky
2017 Department of Ecology and Evolutionary Biology, University of Michigan (*Storer Lecture*)
2017 Department of Psychology, Cornell University
2017 Distinguished Speakers in Behavioral and Brain Sciences, Cornell University
2016 Centre for Ecology and Conservation, University of Exeter, Penryn
2016 Department of Biological Sciences, Dartmouth College
2015 University Seminar in the Integrative Study of Animal Behavior, Columbia University
2015 Department of Anthropology, Rutgers University
2015 Brain, Behavior and Evolution Group, University of Texas at Austin
2015 Department of Integrative Biology, University of Texas at Austin
2015 Behavioral Ecology Group, Department of Anthropology, Stony Brook University
2015 Ecology, Evolution, and Environmental Science Faculty, School of Life Sciences, Arizona State University
2015 Department of Biology, Brooklyn College
2015 Department of Biology, University of Miami
2014 Biology Department, University of Massachusetts Amherst
2014 Department of Biological Sciences, Vanderbilt University
2014 Centre for Ecology and Conservation, University of Exeter, Penryn
2014 Department of Molecular, Cellular and Biomedical Sciences, University of New Hampshire
2014 Department of Ecology and Evolutionary Biology, Tulane University
2014 Biology Department, Fairfield University
2013 Department of Neurobiology and Behavior, Cornell University
2013 National Evolutionary Synthesis Center, Duke University
2013 Department of Biology, Indiana University
2013 Biology Program, Bard College
2013 Department of Biology, North Carolina State University
2012 Department of Biology and Health Sciences, Pace University
2012 Department of Psychology, Columbia University
2012 Department of Biology, Boston University
2012 Empire State College
2012 Department of Ecology and Evolutionary Biology, Princeton University
2012 Department of Ecology and Evolutionary Biology, Univ of Connecticut (*Graduate Student Invited Speaker*)
2011 Richard Gilder Graduate School, American Museum of Natural History
2011 Biology Department, Tufts University (*Graduate Student Invited Speaker*)
2011 Ecology and Evolution Department, Stony Brook University
2011 Department of Zoology & Edward Grey Institute of Field Ornithology, Oxford University
2011 Department of Ecology and Evolutionary Biology, Yale University
2010 Department of Biology, Fordham University
2010 Department of Ecology, Evolution and Behavior, University of Minnesota
2010 University Seminar in Population Biology, Columbia University
2010 Department of Psychology, Hunter College
2010 Biology Department, Queens College
2010 Department of Biological Sciences, Columbia University
2010 Department of Animal Sciences, Rutgers University
2009 Department of Ecology, Evolution and Environmental Biology, Columbia University
2009 Department of Biological Sciences, Virginia Tech
2009 Department of Biology, San Francisco State University
2009 Miller Institute for Basic Research, University of California, Berkeley
2008 School of Biological Sciences, University of Auckland
2008 Department of Ecology and Evolutionary Biology, University of California, Santa Cruz
2008 Division of Integrative Biology, University of South Florida

2008 Department of Biology, California State University, Fresno
2008 School of Biological Sciences, Washington State University
2008 Biology Department, University of Massachusetts Amherst
2007 Department of Ecology, Evolution and Environmental Biology, Columbia University
2007 Department of Integrative Biology, University of California, Berkeley
2007 Ecology, Evolution, and Environmental Science Faculty, School of Life Sciences, Arizona State University
2007 Section of Evolution and Ecology, University of California, Davis
2006 Museum of Vertebrate Zoology, University of California, Berkeley
2006 Department of Neurobiology and Behavior, Cornell University
1999 Museum of Vertebrate Zoology, University of California, Berkeley

***INVITED PAPERS***

2028 – Plenary, International Society for Behavioral Ecology, Taipei
2027 – Symposium, Integrative Science Initiative in Biology, New York University
2026 Symposium, Social Behavior and Climate Resilience, National Cheng Kung University
2026 Symposium, AI and Organismal Biology, Columbia University
2026 Accelerate Symposium, Columbia University
2026 Distinguished Lecture, Quinnipiac Chapter of Sigma Xi, Quinnipiac University
2026 Keynote, Northeast Regional Sigma Xi, Western Connecticut State University
2023 Plenary, Australasian Evolution Society, Adelaide
2023 Daniel Rubenstein's Festschrift, Princeton University
2023 Symposium, Ecology of Collective Behavior, Animal Behavior Society, Portland
2021 Symposium, The Evolution of Social Behaviour, University of Bern
2020 Keynote, Grand Challenges Symposium: Challenges of Scaling Research, Max Planck Institute
2020 Symposium, Epigenetic Mechanisms and Endocrine Systems, Soc for Int & Comp Bio, Austin
2019 Linking Individual Behavior to Community Responses in Changing Landscapes, Yale University
2019 Symposium, Stress Responses to Organismal Phenotype, Soc for Int & Comp Bio, Tampa
2018 Keynote Day 2, V Conference & X Symp of Psychobiology, Fed Univ of Rio Grande do Norte, Brazil
2018 Opening Keynote, V Conference & X Symp of Psychobiology, Fed Univ of Rio Grande do Norte, Brazil
2018 Symposium Keynote, Avian Ecological Epigenetics, International Ornithological Congress, Vancouver
2018 Symposium, Ecol & Evol Social Insect Brains, Int Union for the Study of Social Insects, Guarujá, Brazil
2018 Symposium, Comparative Social Evolution, Arolla
2018 Winter Animal Behavior Conference, Steamboat Springs
2017 Keynote, Social Complexity: Patterns, Processes and Evolution**,** German Primate Center, Göttingen
2017 Symposium, Pathways in Social Evolution, Behaviour, Estoril
2017 President's Symposium, Evol, Hormones & Behav, Society for Behav Neuroendocrinology, Long Beach
2017 Symposium, Social Evolution and Genome Complexity, New York
2017 Symposium, Mechanisms Underlying Variation in Pro-social Behavior, Soc Int & Comp Bio, New Orleans
2016 Symposium, Nothing in Neurosci Makes Sense Except in Light of Behavior, Soc Int & Comp Bio, Portland
2015 International Symposium on Biomathematics and Ecology Education and Research, Illinois State University
2015 Symposium, New Frontiers for the Int Study of Animal Behavior, Animal Behavior Society, Anchorage
2015 Plenary, Tipping Points in Medicine and Ecology, Institute for Systems Biology, Seattle
2014 A Festschrift in Honor of Daniel I. Rubenstein, Princeton University
2014 Symposium, Evolution in Stochastic Environments, Centre for Biodiversity Dynamics, NTNU, Trondheim
2013 A Symposium in Honor of Paul W. Sherman, Cornell University
2013 Winter Animal Behavior Conference, Steamboat Springs
2012 Japanese-American Kavli Frontiers of Science Symposium, National Academy of Sciences, Irvine
2012 Plenary, Ontario Ecology, Ethology and Evolution Colloquium, McMaster University
2011 Plenary, American Ornithologists' Union, Jacksonville
2011 Symposium, Sexual Selection, Social Conflict and the Female Perspective, New York
2011 Colloquium, In the Light of Evolution V, National Academy of Sciences Sackler Colloquium, Irvine
2010 Symposium, Evolution of Avian Breeding Systems, Int Ornithological Congress, Campos do Jordão
2009 Symposium, Integrative Studies of Starlings and Mockingbirds, Amer Ornithologists' Union, Philadelphia
2008 Symposium, Reproductive Skew, International Society for Behavioral Ecology, Cornell University
2008 Young Investigators Symposium, Integrative Avian Biology, American Ornithologists' Union, Portland
2007 Young Scientists Symposium, Evolutionary Ecology, University of Michigan
2006 Young Investigators Symposium, Society for Behavioral Neuroendocrinology, Pittsburgh
2006 Symposium, Emerging Issues in Cooperative Breeding, International Ornithological Congress, Hamburg
2004 Symposium, Meeting of Predoctoral and Physician Postdoctoral Fellows, Howard Hughes Medical Institute

***INVITED WORKING GROUPS***

2020 National Academy of Sciences: Next Steps for Functional Genomics, Washington DC
2019 National Science Foundation: Reintegrating Biology, Atlanta
2019 Multi-Species Movement, Max Planck-Yale Center for Biodiv, Movement and Global Change, Yale Univ
2018 American Museum of Natural History, Invisible Worlds Exhibit Design Committee, New York
2017 National Science Foundation & Columbia Univ Seminars: Social Evol and Genome Complexity, New York
2016 Reflective Teaching Certificate Course, Center for Teaching and Learning, Columbia University
2016 Helmsley/National Academies Summer Institute on Undergraduate Education, University of Connecticut
2014 National Academies Keck Futures Initiative: Collective Behavior: From Cells to Societies, Irvine
2014 National Science Foundation: New Frontiers for the Integrative Study of Animal Behavior, New York
2013 National Evolutionary Synthesis Center: Sexual Selection: Challenges and Future Directions, Durham
2011 – 2013 National Evolutionary Synthesis Center: Demographic and Trait Analyses of Sociality, Durham
2011 – 2012 National Evolutionary Synthesis Center: Integrative Models of Vertebrate Sociality, Durham
2010 National Evolutionary Synthesis Center: Modeling Invertebrate Sociality, Durham
2009 – 2011 National Evolutionary Synthesis Center: Integrating Sexual Selection and Speciation, Durham
2009 National Science Foundation: Neuroendocrine and Genetic Mechanisms of Sociality, Santiago
2000 National Science Foundation: Connectivity of Migratory Birds, Smithsonian Institution

***INVITED PUBLIC LECTURES***

2026 Arts & Sciences Faculty Salon, Columbia University
2025 Columbia AI Summit – Panel: From Chaos to Code: How AI Can Tame the Climate Crisis, Columbia Univ
2025 STEM in the Field: Teaching Beyond the Classroom – Panel Moderator, Columbia University
2022 Virtual Featured Class, Undergraduate Admissions Office, Columbia University
2021 Virtual Featured Class, Undergraduate Admissions Office, Columbia University
2018 Dean's Day Reunion Lecturer, Frontiers of Science Mini Course, Columbia University
2016 Dean's Day Reunion Lecturer, Frontiers of Science Mini Course, Columbia University
2015 Pint of Science, New York
2014 Master Class Leader, Science Invitational, Columbia University
2014 The Linnaean Society of New York
2014 Keynote Speaker, STEMposium, River Dell Regional High School
2010 The Linnaean Society of New York
2009 Café Science Columbia: Darwin Series, New York
2007 Cornell Lab of Ornithology, Ithaca

***CONTRIBUTED PAPERS (FIRST-AUTHORED ONLY)***

2026 International Society for Behavioral Ecology, Torino
2022 International Society for Behavioral Ecology, Stockholm
2019 Assoc for the Study of Animal Behaviour, New Frontiers in the Study of Animal Behaviour, Univ Konstanz
2016 International Society for Behavioral Ecology, University of Exeter
2014 Animal Behavior Society, Princeton University
2014 International Society for Behavioral Ecology, Hunter College/NYU
2012 International Society for Behavioral Ecology, Lund University
2011 Animal Behavior Society, Indiana University
2008 In the Light of Evolution III, National Academy of Sciences Sackler Colloquium, Irvine
2008 International Society for Behavioral Ecology, Cornell University
2007 Ecological Society of America, San Jose
2007 Animal Behavior Society, Burlington
2007 Society for Behavioral Neuroendocrinology, Monterey
2006 North American Ornithological Congress, Veracruz
2005 Animal Behavior Society, Snowbird
2005 Society for Behavioral Neuroendocrinology, University of Texas at Austin
2004 Society for Behavioral Neuroendocrinology, Lisbon
2004 International Society for Behavioral Ecology, University of Jyväskylä
2004 Society for Integrative and Comparative Biology, New Orleans
2002 International Society for Behavioral Ecology, University of Québec at Montreal
2001 Society for Conservation Biology, University of Hawaii at Hilo
1999 American Ornithologists' Union, Cornell University

***CONFERENCES, SYMPOSIA & WORKING GROUPS CO-ORGANIZED***

| | |
|---|---|
| 2027 – | Imageomics Conference, Columbus |
| 2026 | AI and Organismal Biology, New York |
| 2025 | AI in Global Change Biology, New York |
| 2017 | Social Evolution and Genome Complexity, New York |
| 2017 | Mechanisms Underlying Variation in Pro-social Behavior, Soc Int & Comp Bio, New Orleans |
| 2016 | Nothing in Neuroscience Makes Sense Except in the Light of Behavior, Soc Int & Comp Bio, Portland |
| 2015 | New Frontiers for the Integrative Study of Animal Behavior, Animal Behavior Society, Anchorage |
| 2014 | National Science Foundation: New Frontiers for the Integrative Study of Animal Behavior, New York |
| 2014 | 15th Congress of the International Society for Behavioral Ecology, Hunter College/NYU |
| 2011 – 2013 | National Evolutionary Synthesis Center: Demographic and Trait Analyses of Sociality, Durham |
| 2011 – 2012 | National Evolutionary Synthesis Center: Integrative Models of Vertebrate Sociality, Durham |
| 2011 | Sexual Selection, Social Conflict and the Female Perspective, New York |
| 2009 | Integrative Studies of Starlings and Mockingbirds, American Ornithologists' Union, Philadelphia |

## EDITORIAL & REFEREE WORK

***EDITORIAL***

| | |
|---|---|
| 2025 – | Frontiers in Ecology and Evolution, Evol Ecology of Social Behavior Section, Specialty Chief Editor |
| 2024 – | Proceedings of the National Academy of Sciences USA, Guest Editor |
| 2022 – 2024 | Annual Review of Ecology, Evolution, and Systematics, Guest Editorial Committee |
| 2021 – | Science Advances, Associate Editor |
| 2019 – 2022 | Behavioral Ecology, Editorial Board |
| 2014 – 2015 | Current Opinion in Behavioral Sciences, Guest Editor |
| 2014 – 2025 | Frontiers in Ecology and Evolution, Evolutionary Ecology of Social Behavior Section, Associate Editor |
| 2014 – 2022 | Frontiers in Ecology and Evolution, Behavioral and Evolutionary Ecology Section, Associate Editor |
| 2013 – 2022 | Frontiers in Ecology and Evolution, Behavioral and Evolutionary Ecology Section, Review Editor |
| 2012 – 2019 | F1000Research, Editorial Board |
| 2011 – 2020 | PLOS ONE, Editorial Board |
| 2011 – 2016 | Proceedings of the Royal Society B, Editorial Board |
| 2011 – 2012 | Philosophical Transactions of the Royal Society B, Guest Editor |
| 2010 – | Behavioral Ecology and Sociobiology, Associate Editor |
| 2010 – 2019 | F1000Prime, Theoretical Ecology Section, Faculty Member |

***JOURNAL ARTICLES (126 JOURNALS)***

| | | |
|---|---|---|
| African Journal of Ecology | British J Medicine and Medical Research | Evolution Letters |
| Ageing Research Reviews | Cell Systems | Evolutionary Applications |
| The American Naturalist | Chemical Geology | Evolutionary Ecology |
| Anarchist Studies | Communications Biology | F1000Research |
| Animal Behaviour | The Condor | Frontiers in Behav and Evol Ecology |
| Animal Biodiversity and Conservation | Current Anthropology | Frontiers in Genetics |
| Animal Genetics | Current Biology | Frontiers in Psychology |
| Animals | Current Zoology | Frontiers in Social Evolution |
| Ann Rev Ecol, Evol, and Systematics | Diversity and Distributions | Frontiers in Zoology |
| Ardea | Ecography | Functional Ecology |
| Asian Bioethics Review | Ecological Applications | General and Comparative Endocrinology |
| The Auk | Ecological Indicators | Genome Research |
| Basic and Applied Social Psychology | Ecological Modelling | Geosciences |
| Behavioral and Brain Sciences | Ecology | GigaScience |
| Behavioral Ecology | Ecology and Evolution | Global Change Biology |
| Behavioral Ecology and Sociobiology | Ecology Letters | Global Ecology and Biogeography |
| Behaviour | Ecosphere | Heredity |
| Biological Conservation | eLife | Hormones and Behavior |
| Biology Letters | Endangered Species Research | Human Arenas |
| Biological Journal of the Linnean Society | Emu | Ibis |
| Biological Reviews | Environmental Epigenetics | Integrative Organismal Biology |
| Biomedical Journal | Environmental Science & Technology | iScience |
| Bird Conservation International | Estuaries and Coasts | Journal of Animal Ecology |
| BMC Ecology | Ethology | Journal of Applied Animal Research |
| BMC Evolutionary Biology | Evolution | Journal of Applied Entomology |

Journal of Asia-Pacific Entomology
Journal of Avian Biology
Journal of Biogeography
Journal of Evolutionary Biology
Journal of Experimental Biology
Journal of Experimental Zoology Part A
Journal of Field Ornithology
The Journal of Neuroscience
Journal of Poultry Science
Journal of the Royal Society Interface
Journal of Wildlife Management
Journal of Zoo and Aquarium Research
Journal of Zoology
JSM Environmental Science & Ecology
Mitochondrial DNA Part B: Resources
Molecular Biology Reports
Molecular Ecology
Movement Ecology
Nature
Nature Communications
Nature Ecology & Evolution
Nature Education Knowledge
Naturwissenschaften
Oecologia
Oikos
The Open Evolution Journal
PCI Evolutionary Biology
PeerJ
Philosophical Transactions Royal Soc B
Physiological and Biochemical Zoology
PLOS Biology
PLOS ONE
PNAS
PNAS Nexus
Proceedings Royal Society B
Quarterly Review of Biology
Restoration Ecology
Royal Society Open Science
Sensors
Science
Science Advances
The Science of Nature
Science of the Total Environment
Scientific Reports
Southwestern Naturalist
Taprobanica
Trends in Ecology & Evolution
Trends in Parasitology
The Wilson Journal of Ornithology
Zoological Research
Zoological Studies

***BOOKS***

Cambridge University Press
Elsevier Press
Johns Hopkins University Press
McGraw Hill
Sinauer Associates, Inc.
Springer
Tropical Herping
The University of Chicago Press

***RESEARCH GRANTS (APPOINTMENTS)***

Australian Research Council, Assessor
European Science Foundation, College of Expert Reviewers

***RESEARCH GRANTS (PANELS & COMMITTEES)***

Columbia Earth Institute Travel Grant Program
Columbia Global Scholars Program
Columbia President's Global Innovation Fund
Columbia Provost's Teaching & Learning Grants
Columbia Research Initiatives in Science & Engineering
Columbia Science Research Fellows Program
Columbia Internal NSF PIRE
Columbia Internal Packard Fellowships in Science and Engineering
Cornell Sigma Xi
National Geographic Society, Regional Mentor, East African Region
National Science Foundation, Environmental Biology (Dimensions of Biodiversity)
National Science Foundation, Integrative Organismal Systems (Behavioral Systems Doctoral Dissertation Improvement Grant)
National Science Foundation, Integrative Organismal Systems (Behavioral Systems Pre-proposal)
National Science Foundation, Integrative Organismal Systems (Behavioral Systems Full Proposal)

***RESEARCH GRANTS (OUTSIDE REFEREE)***

Animal Behavior Society Student Research Grants
American Association for the Advancement of Science
American Philosophical Society
Austrian Academy of Sciences
Austrian Science Fund
Branco Weiss Fellowship – Society in Science
Chilean National Commission for Scientific and Technological Research
Cornell Center for the Environment
Columbia Collaboratory
Columbia University Data Science Institute
Columbia Research Initiatives in Science & Engineering
Columbia Internal Fulbright
Czech Science Foundation
Dutch Research Council
European Research Council
French National Research Agency
German Academic Exchange Service

German Research Foundation
Graduate Women in Science
Human Frontier Science Program
Israel Science Foundation
Louisiana Board of Regents
Marsden Fund, New Zealand
Max Planck Society, Germany
Natural Environment Research Council, United Kingdom
National Geographic Society
National Institutes of Health, Biobehavioral and Behavioral Processes
National Research, Development and Innovation Office, Hungary
National Science Centre, Poland
Natural Sciences and Engineering Research Council of Canada
National Science Foundation, Computer & Information Science & Engineering Directorate
National Science Foundation, Division of Environmental Biology (Ecology)
National Science Foundation, Division of Environmental Biology (Population and Community Ecology)
National Science Foundation, Division of Environmental Biology (Population and Evolutionary Processes)
National Science Foundation, Division of Ocean Sciences (Biological Oceanography)
National Science Foundation, Integrative Organismal Systems (Animal Behavior)
National Science Foundation, LEAP
National Oceanic and Atmospheric Administration / National Marine Fisheries Service
Netherlands Organisation for Scientific Research
New Zealand Ministry of Science and Innovation
Research Foundation Flanders
Royal Society, United Kingdom
Simons Foundation
Smithsonian Institution
Swiss National Science Foundation
United States–Israel Binational Science Foundation
UK Research and Innovation
W.M. Keck Foundation

***SYNERGISTIC REVIEWING***
Columbia Undergraduate Admissions Office

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**SELECTED PRESS COVERAGE**

ABC News
AAAS Science Update Radio
American Scientist
The Atlantic
BBC Radio
California Academy of Sciences
Canadian Broadcasting Corporation
CNET
CNN
Columbia College Annual Report
Columbia College Today
Columbia Magazine
Cornell Chronicle
Cosmos Magazine
Current Biology
Daily Mail
Dartmouth News
Discovery News
The Economist
ESPN Outside the Lines
F1000Prime
German Public Radio
The Guardian
Huffington Post
HHMI Bulletin
Miami Herald
MSNBC
National Geographic
National Public Radio (NPR)
Nature
Nature Abstractions
Nature News
Nature Podcast
Nature Science Update
Nautilus
Newsweek
New Scientist
NPR Radio
New York Post
The New York Times
The Onion
San Diego Tribune
Science 360
Science Perspectives
ScienceNOW
Science News
Scientific American
Smithsonian Magazine
Sydney Morning Herald
The Science Times
The Scientist
Thomson Reuters
Trends in Ecology & Evolution
Today
US News & World Report
The Washington Post
The Weather Channel
Wired Magazine
Yahoo News

## TEACHING EXPERIENCE

### *INSTRUCTOR*

| | |
|---|---|
| 2026 – | Experiential Introduction to AI and Ecology (led by The Ohio State University, with other schools) |
| 2021 | Plasticity in a Changing World, Columbia University |
| 2019 | Scientific Analysis and Presentation, Columbia University |
| 2019 | Adaptation to Changing Climates, National Taiwan University |
| 2019 | Principles of Animal Behavior, Columbia University |
| 2017 | Animal Behavior Training Course, Institute of Zoology, Chinese Academy of Sciences |
| 2015 – 2020 (8x) | Frontiers of Science (Core Curriculum), Columbia University |
| 2014 | Social Evolution and Behavior, Rockefeller University |
| 2013 – 2023 (7x) | Biology of African Animals and Ecosystems (Kenya Study Abroad Program), Columbia University |
| 2012 | Comparative Social Evolution, Columbia University (with Arizona State, UC Berkeley, Vanderbilt) |
| 2011 – (5x) | Tropical Biology (Kenya Field Course), Columbia University |
| 2010 – 2014 (3x) | Thesis Development, Columbia University |
| 2010 – 2021 (4x) | Behavioral Ecology, Columbia University |
| 2010 – 2011 (2x) | Student Research Seminar, Columbia University |
| 2009 – 2018 (8x) | Environmental Biology I, Columbia University |
| 2007 | Animal Behavior, University of California, Berkeley |
| 2005 – 2010 (6x) | Tropical Field Ecology and Behavior (Kenya Field Course), Cornell University |

### *ASSISTANT*

| | |
|---|---|
| 2004 | Head graduate teaching assistant, Introduction to Behavior, Cornell University |
| 2003 | Graduate teaching assistant, Introduction to Behavior, Cornell University |
| 1998 | Undergraduate teaching assistant, Animal Behavior, Dartmouth College |
| 1996 – 1997 (2x) | Undergraduate teaching assistant, Ecology and Evolution, Dartmouth College |

## MENTORING

### *FACULTY*

| | |
|---|---|
| 2025 – 2026 | Kira Delmore (Columbia University) |
| 2023 – 2024 | Gerald Carter (The Ohio State University) |
| 2019 – 2026 | Laura Duvall (Columbia University) |
| 2017 – 2024 | Deren Eaton (Columbia University) |
| 2016 – 2025 | Andres Bendesky (Columbia University) |

### *POSTDOC*

| | |
|---|---|
| 2024 – | Frane Babarović (Marie Skłodowska-Curie Fellowship) |
| 2023 – 2025 | Irene Garcia-Ruiz (Swiss National Science Foundation Early Postdoc.Mobility Fellowship)<br>*Current Position:* Postdoctoral Research Associate, Newcastle University |
| 2022 – 2025 | Stefanie Siller Wilks (Columbia Frontiers of Science Fellowship)<br>*Current Position: Columbia Frontiers of Science Lecturer* |
| 2021 – 2023 | Patrick Kennedy (Marie Skłodowska-Curie Fellowship & Simons Foundation Society Fellowship)<br>*Current Position: Lecturer (Assistant Professor), University of Bristol* |
| 2019 – 2021 | Renata Mazzei (Swiss National Science Foundation Early Postdoc.Mobility Fellowship)<br>*Current Position: International Institute for Sustainability, Rio de Janeiro* |
| 2017 – 2020 | Shana Caro (Simons Foundation Society Fellowship)<br>*Current Position: Assistant Professor, Adelphi University* |
| 2016 – 2019 | Solomon Chak (Life Sciences Research Foundation Fellowship from Simons Foundation)<br>*Current Position: Assistant Professor, Denison University* |
| 2015 – 2018 | Rafael Maia (Simons Foundation Society Fellowship)<br>*Current Position: Machine Learning Engineer, Apple Inc.* |
| 2014 – 2017 | Katherine Brooks (Columbia Frontiers of Science Fellowship)<br>*Current Position: Collection Analysis Librarian, Columbia University* |
| 2015 – 2016 | Stephen Harris (Columbia Frontiers of Science Fellowship)<br>*Current Position: Associate Professor, SUNY Purchase* |
| 2009 – 2012 | Melissa Mark (NSF Minority Postdoctoral Research Fellowship)<br>*Current Position: Executive Director, Washington Research Conservation & Development Council* |

***PH.D.***

2031 – Khe-Lok Kua (Simons Graduate Fellowship in Ecology and Evolution & Taiwan-Columbia Scholarship)
2029 – Katelyn Sanko (NSF Graduate Research Fellowship Honorable Mention)
2024 Alexis Earl (NSF Graduate Research Fellowship Honorable Mention)
*Current Position: NSF Postdoctoral Fellow, Cornell University*
2022 Stefanie Siller (NSF Graduate Research Fellowship)
*Current Position: stay-at-home parent*
2022 Shailee Shah
*Current Position: Postdoctoral Fellow, Princeton University*
2021 Yi-Ru Cheng
*Current Position: Postdoctoral Associate, Academia Sinica*
2020 Jay Falk (NSF Graduate Research Fellowship) (at Cornell University, co-advised with M. Webster)
*Current Position: Tupper Fellow, Smithsonian Tropical Research Institute*
2017 Sarah Guindre-Parker (NSERC Postgraduate Scholarship)
*Current Position: stay-at-home parent (formerly Assistant Professor, Kennesaw State University*)

***M.A.***

2022 Jerry Shuzhe Guan
*Current Position: Ph.D. student, Harvard University*
2021 Catherine Yung-Yi Lan
*Current Position: M.D. student, Poznań University of Medical Sciences*
2017 Eleanor Diamant (NSF Graduate Research Fellowship Honorable Mention)
*Current Position: Assistant Professor, Bard College (Ph.D. UCLA)*
2017 Yuki Haba
*Current Position: Leon Levy Scholar, Columbia University (Ph.D. Princeton University)*
2017 Alyxandra Pikus
*Current Position: Senior Program Manager, Oxbridge Academic Programs*
2015 Natalie Hofmeister
*Current Position: Assistant Professor, Miami University (Ph.D. Cornell University)*
2013 Rebecca Kelley (NSF Graduate Research Fellowship Honorable Mention, 2x)
*Current Position: Data Scientist, Meta (Ph.D. New Mexico State University)*
2012 Kathleen Apakupakul
*Current Position: Research Associate, Institute for Conservation Medicine, Saint Louis Zoo*
2012 James Kealey
*Current Position: Science Teacher, Richmond High School, Richmond CA*
2011 Sara Keen (NSF Graduate Research Fellowship Honorable Mention, 2x)
*Current Position: Senior Research Scientist, Earth Species Project (Ph.D. Cornell University)*

***UNDERGRADUATE THESES***

2020 Arden Berlinger (Science Research Fellows Program)
*Current Position: Ph.D. student, University of Cambridge*
2015 Laura Booth
*Current Position: Tennessee Valley Biologist, National Park Service*
2015 Hannah Skolnik (Amgen Scholars Program)
*Current Position: Clinical Veterinarian, New York University (D.V.M. University of California, Davis)*
2014 Lucia Weinman
*Current Position: Postdoctoral Scholar, University of California, Davis* (*Ph.D. Rutgers University)*
2012 Caitlin Dean
*Current Position*: *IP Litigator, Kirkland & Ellis* (*J.D. University of Michigan)*
2012 Julia Pilowsky (NSF Graduate Research Fellowship for graduate work)
*Current Position: Postdoctoral Scientist, Cary Institute (M.A. Tufts Univ, Ph.D. Univ Copenhagen)*
2012 Lea Pollack (Summer Undergraduate Research Fellows Program)
*Current Position: Postdoctoral Fellow, University of Minnesota (Ph.D. Univ of California, Davis)*
2011 Jeremy Law
*Current Position: Senior Principal Scientist, Hazen and Sawyer (M.A. Columbia University)*

***UNDERGRADUATE INTERNS***

| | |
|---|---|
| 2025 | Kah Sin Tang |
| 2022 | Eriifeoluwa Adelusimo (sTEAM Fellows Program) |
| 2022 | Yutian Lin (sTEAM Fellows Program) |
| 2022 | Ugochinyere Ndukwe (sTEAM Fellows Program) |
| 2022 | Riley Smith (sTEAM Fellows Program) |
| 2022 | Jacob Whitson (sTEAM Fellows Program) |
| 2022 | Nicolas Beltran (sTEAM Fellows Program) |
| 2022 | Sarah Marazzi-Sassoon |
| 2021 | Debbie Leung |
| 2021 | Victor Castanho |
| 2021 | Tatum McConnell |
| 2021 | Faith Ajayi (Rabi Scholars Program) |
| 2021 | One Jae Lee |
| 2020 | Shoshana Sernik |
| 2020 | Sophia Kislik |
| 2020 | Christian Eggers |
| 2019 | Joseph Knee |
| 2019 | Kaiulani Sakaguchi |
| 2019 | Jake Arlow |
| 2018 | Francesca Garofalo |
| 2017 | Tatini Mal-Sarkar (Rabi Scholars Program) |
| 2017 | Michael Spiotta |
| 2016 | Karen Bao |
| 2016 | Fayme Cai |
| 2015 | Catherine Chen |
| 2015 | Elora Lopez |
| 2015 | Brahadheeshwar Sundararaju |
| 2014 | Nathen Huang |
| 2014 | Kerstin Nolan |
| 2014 | Sonalee Rau |
| 2013 | Madeline Cohen (NOAA Hollings Scholarship) |
| 2013 | Ben Eckersley |
| 2012 | Nathan Bailey |
| 2012 | Heather D'Angelo |
| 2012 | Jordan Hollarsmith (NOAA Hollings Scholarship) |
| 2006 | Brynn McCleery |

***POSTBACCALAUREATE INTERNS***

| | |
|---|---|
| 2020 | Shane Fallon |
| 2015 | Stefanie Siller |

***HIGH SCHOOL INTERNS***

| | |
|---|---|
| 2018 | Livia Marchese (Briarcliff High School) |
| 2018 | Hank Marriott (Ethical Culture Fieldston School) |
| 2017 – 2019 | Zhaleh Mahootian (Bronx High School of Science Biological and Physical Research Mentorship Program) |
| 2017 | Regina Hashim (home school student) |
| 2016 – 2017 | Myron Huang (Bronx High School of Science Biological and Physical Research Mentorship Program) |
| 2016 – 2017 | Rebecca Marcus (Mamaroneck High School Science Research Elective Program) |
| 2016 | Samuel Levy (Abram Joshua Heschel School Science Research Program) |
| 2015 | Katherine Grygierczyk (Valley Stream South High School Independent Science Research Program) |
| 2011 – 2013 | Gillian Carling (Bronx High School of Science Biological and Physical Research Mentorship Program) |

***VISITORS***

| | |
|---|---|
| 2019 | Yuqing Chen, University of Chinese Academy of Sciences |
| 2018 – 2020 | Timothy Greives, North Dakota State University (NSF EPSCoR Res Infrastructure Improvement Grant) |
| 2018 – 2019 | Gabrielle Welsh, University of Maryland |
| 2017 | Alexander Gottdiener, Princeton University |
| 2015 – 2016 | Sarah Khalil, Cornell University |
| 2015 | Juan Rubalcaba, King Juan Carlos University (Spanish International Visiting Researcher Scholarship) |
| 2015 | Linnet Jessell, University of King's College/Dalhousie University |
| 2012 – 2013 | Suraj Nagaraj, University of California, Berkeley |
| 2011 – 2012 | Joseph Solomon, Hunter College |
| 2011 | Rafael Maia, University of Akron (NSF Doctoral Dissertation Improvement Grant) |
| 2011 | Rebecca Harris, Cornell University |
| 2008 – 2012 | Daniel Meliza, University of Chicago (NIH-NIDCD Postdoctoral Fellowship) |
| 2007 – 2008 | Rebecca Calisi, University of California, Berkeley (Society for Integrative and Comparative Biology Grant) |
| 2007 | Brynn McCleery, Cornell University |
| 2007 | Tyler Davis, Cornell University (Explorers Club Grant) |

***GRADUATE COMMITTEES***

| | |
|---|---|
| 2031 – | Pelle Scholten, Ph.D., E3B Columbia University (Major Advisor: Kira Delmore) |
| 2030 – | Camille Brown, Ph.D., E3B Columbia University (Major Advisor: Andres Bendesky) |
| 2029 – | Shasta Corvus, Ph.D., E3B Columbia University (Major Advisor: Kira Delmore) |
| 2028 – | Rachel Urban, Ph.D., E3B Columbia University (Major Advisor: Kira Delmore) |
| 2027 – | Yoricka Smolikova, Ph.D., Academia Sinica (Major Advisor: Sheng-Feng Shen) |
| 2027 – | William Foster, Ph.D., Neurobiology and Behavior (Major Advisor: Ishmail Abdus-Saboor) |
| 2027 – | Belinda Atkinson, M.A., University of Western Australia (Major Advisor: Renee Firman) |
| 2026 | Caroline Gaskin, M.A., E3B Columbia University (Major Advisor: Bekka Brodie) |
| 2025 | Jai Lake, Ph.D., Macquarie University (Major Advisor: Martin Whiting) |
| 2025 | Elissa Sorojsrisom, Ph.D., E3B Columbia University (Major Advisors: Deren Eaton and Barbara Ambrose) |
| 2023 | Natalie Niepoth, Ph.D., E3B Columbia University (Major Advisor: Andres Bendesky) |
| 2023 | Rie Kaneko, M.A., E3B Columbia University (Major Advisor: Peter Balsam) |
| 2021 | Hiroki Tomida, M.A., E3B Columbia University (Major Advisor: Andres Bendesky) |
| 2019 | Jacqueline Barry, M.A., ABD, E3B Columbia University (Major Advisor: Joel Cracraft) |
| 2019 | Montana Airey, M.A., E3B Columbia University (Major Advisor: Josh Drew) |
| 2017 | Brian Weeks, Ph.D., E3B Columbia University (Major Advisors: Shahid Naeem and Joel Cracraft) |
| 2017 | Aaron Owen, Ph.D., The City University of New York (Major Advisor: David Lahti) |
| 2016 | Charlotte Barkan, Ph.D., Neurobiology and Behavior Columbia University (Major Advisor: Darcy Kelley) |
| 2016 | Camillo Sanin, Ph.D., E3B Columbia University (Major Advisor: Joel Cracraft) |
| 2016 | Tin Chi Solomon Chak, Ph.D., College of William and Mary (Major Advisor: Emmett Duffy) |
| 2016 | Nathalia Rossi, Ph.D., E3B Columbia University (Major Advisor: Joshua Ginsberg) |
| 2015 | Allison Roth, M.A., E3B Columbia University (Major Advisor: Marina Cords) |
| 2015 | Benedicte Bachelot, Ph.D., E3B Columbia University (Major Advisor: Maria Uriarte) |
| 2015 | Gavin Leighton, Ph.D., University of Miami (Major Advisor: William Searcy) |
| 2014 | Robert Muscarella, Ph.D., E3B Columbia University (Major Advisor: Maria Uriarte) |
| 2014 | Rafael Maia, Ph.D., University of Akron (Major Advisor: Matthew Shawkey) |
| 2014 | Su-Jen Roberts, Ph.D., E3B Columbia University (Major Advisor: Marina Cords) |
| 2014 | Matthew Fagan, Ph.D., E3B Columbia University (Major Advisor: Ruth DeFries) |
| 2013 | Jacob Lowenstein, Ph.D., ABD, E3B Columbia University (Major Advisor: Melanie Stiassny) |
| 2013 | Irene Ballagh, Ph.D., Neurobiology and Behavior Columbia University (Major Advisor: Darcy Kelley) |
| 2012 | Snorri Sigurdsson, Ph.D., The City University of New York (Major Advisor: Joel Cracraft) |
| 2012 | James Fuller, Ph.D., E3B Columbia University (Major Advisor: Marina Cords) |
| 2012 | Marina Cortes, Ph.D., E3B Columbia University (Major Advisor: Maria Uriarte) |
| 2012 | Evan McCartney-Melstad, M.A., E3B Columbia University (Major Advisor: George Amato) |
| 2011 | Alicia Srinivas, M.A., E3B Columbia University (Major Advisor: Miguel Pinedo-Vasquez) |
| 2010 | Joseph Solomon, M.A., Hunter College (Major Advisor: Mark Hauber) |
| 2010 | Emily Schmidt, M.A., ABD, E3B Columbia University (Major Advisor: Christine Sheppard) |
| 2010 | Allisyn Gillet, M.A., E3B Columbia University (Major Advisor: Christine Sheppard) |
| 2010 | Danielle Adams, M.A., E3B Columbia University (Major Advisor: Christine Sheppard) |

***GRADUATE ORAL EXAMINATION COMMITTEES***

2027 Camille Brown (Major Advisor: Andres Bendesky)
2027 Alyssa Nowicki (Major Advisor: Kira Delmore)
2026 Shasta Corvus (Major Advisor: Kira Delmore)
2024 Vicens Vila-Coury (Major Advisors: Brian Smith and Andres Bendesky)
2022 Jared Meek (Major Advisor: Deren Eaton)
2020 Amanda Johnston (Major Advisor: Marina Cords)
2016 Andrew Quebbeman (Major Advisors: Duncan Menge and Maria Uriarte)
2016 Thomas Bytnerowicz (Major Advisor: Duncan Menge)
2016 Jay Falk (Major Advisors: Michael Webster and Dustin Rubenstein)
2016 Benton Taylor (Major Advisor: Duncan Menge)
2013 Brian Weeks (Major Advisors: Shahid Naeem and Joel Cracraft)
2013 Nathalia Rossi (Major Advisor: Joshua Ginsberg)
2012 Camillo Sanin (Major Advisor: Joel Cracraft)
2011 Robert Muscarella (Major Advisor: Maria Uriarte)

***GRADUATE OUTSIDE DISSERTATION EXTERNAL EXAMINER***

2025 Sam Walmsley, Dalhousie University (Major Advisor: Hal Whitehead)

***GRADUATE OUTSIDE DISSERTATION READER***

2026 Gladys Kung'u, University of Salzburg (Major Advisor: Beate Apfelbeck)
2020 Martin Hing, University of Wollongong (Major Advisor: Marian Wong)
2017 David Seager, University of Exeter, Penryn (Major Advisor: Michael Cant)

## SYNERGISTIC ACTIVITIES

***UNIVERSITY SERVICE***

2026 Member, Decanal Review Faculty Advisory Committee, Office of the Provost
2026 Member, AI Verticals Project, AI Cross-School Working Group
2025 – 2026 Member, Working Group for Directors of Graduate Studies of Doctoral Programs, Arts & Sciences
2024 – Member, The University Seminars Executive Committee
2024 – 2025 Provost's Senior Faculty Teaching Scholar Program, Provost's Office & Center for Teaching and Learning
2022 – Member, School of Professional Studies Executive Committee of the Faculty
2021 Member, Arts & Sciences Hiring Exemptions Committee
2020 – 2021 Co-Chair, PPC Subcommittee on Faculty Structure and Composition in the Arts & Sciences
2020 – 2021 Member, Faculty Budget Subcommittee on Undergraduate Teaching, Arts & Sciences
2020 Columbia Research Initiatives in Science & Engineering, Office of Research Initiatives
2020 Member, PPC Faculty Hiring Subcommittee, Arts & Sciences
2020 Member, Global Scholars Prgrm Com, Columbia Global Centers & Office Undergrad Global Engagement
2020 Chair, PPC Classrooms Subcommittee, Arts & Sciences
2020 External Member, Promotion and Tenure Committee, Arts & Sciences
2019 – 2020 Chair, PPC Childcare Subcommittee, Arts & Sciences
2019 – 2022 Elected Member, Arts & Sciences Policy and Planning Committee (PPC)
2019 – 2021 Member, Faculty Review Committee for Provost's Teaching & Learning Grants
2019 Member, Symposium Advisory Committee, Zuckerman Mind Brain Behavior Institute
2018 – 2019 Director, Global Scholars Program in China: Adapting to Changing Climates
2018 – 2019 Member, Department of Psychology Faculty Search Committee
2017 – 2019 Member, Columbia President's Global Innovation Fund Committee, Columbia Global Centers
2016 – 2019 Member, Columbia College-School of General Studies Joint Committee on Instruction (COI)
2016 – 2024 Member, Zuckerman Mind Brain Behavior Institute Affiliate Membership Committee
2016 – 2017 Member, Columbia Center for Teaching and Learning Executive Director Search Committee
2016 – 2017 Chair, Junior Faculty Advisory Board
2016 Dean's Day Reunion Lecturer, Frontiers of Science Mini Course
2015 – 2016 Elected Member, Junior Faculty Advisory Board
2015 Guest Lecturer, Seminar on Science Writing, Columbia School of Journalism
2015 Member, Packard Fellowships in Science and Engineering Committee, Office of Res Initiatives
2014 – Member, Faculty Steering Committee, Columbia Global Centers | Nairobi
2014 – 2016 Member, Joint Arts & Sciences and Zuckerman Mind Brain Behavior Initiative Faculty Search Committee
2014 Faculty Mentor, Presidential Global Fellowship Program, Office of Global Programs
2014 Founding Member, Junior Faculty Advisory Board, Arts & Sciences
2014 Member, NSF Advisory Committee, Office of Research Initiatives

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|---|---|
| 2014 | Master Class Leader, Science Invitational, Admissions Office |
| 2013 | Panelist, History of Neuroscience Reading Group, Heyman Center for the Humanities |
| 2013 | Faculty Mentor, Amgen Scholars Program |
| 2012 – 2023 | Director, Program in Tropical Biology and Sustainability |
| 2012 | Panelist, Psychology Department Graduate Student Development Panel |
| 2011 – | Department Liaison, Science Scholars Experience, Admissions Office |
| 2011 – | Member, Science Faculty Admissions Committee, Admissions Office |
| 2011 | Panelist, Columbia Neuroscience Society Annual Research Symposium |
| 2011 | Member, Fulbright Campus Committee, Office of Research Initiatives |
| 2011 | Panelist, Neuroscience and Behavior Graduate Student Recruitment Panel |
| 2011 | Member, Provost's Review Committee of the Guidelines for Laboratory Design Criteria |
| 2010 – 2014 | Co-Chair, The University Seminar in Population Biology, University Seminars |
| 2010 – 2024 (12x) | Guest Lecturer, Science Research Fellows Seminar, Columbia College |

***DEPARTMENTAL SERVICE***

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|---|---|
| 2025 – 2026 | Member, E3B Faculty Search Committee |
| 2024 – 2026 | Chair, E3B Space Committee |
| 2024 – 2026 | Member, E3B Curriculum Committee |
| 2023 – 2026 | Director of Graduate Studies, E3B |
| 2023 – 2024 | Chair, E3B Curriculum Committee |
| 2023 – 2024 | Member, E3B Faculty Search Committee |
| 2021 – 2022 | Chair, E3B Faculty Search Committee |
| 2015 – 2016 | Chair, E3B Faculty Search Committee |
| 2011 – 2012 | Chair, E3B Curriculum Committee |
| 2010 – 2011 | Member, E3B M.A. Program Review Committee |
| 2010 – 2011 | Chair, E3B Faculty Search Committee |
| 2010 – 2011 | Member, E3B Ph.D. Program Review Committee |
| 2010 – 2011 | Organizer, E3B Seminar Series |
| 2009 – 2013 | Co-Chair, E3B Lab Use Committee |
| 2009 | Rotating Member, E3B Standing Committee |
| 2007 – 2009 | Program Committee, Miller Institute Interdisciplinary Symposium (University of California, Berkeley) |
| 2007 – 2008 | Co-organizer, Department of Integrative Biology Behavior Lunch (University of California, Berkeley) |
| 2005 | Co-editor, Department of Neurobiology and Behavior Newsletter (Cornell University) |
| 2001 – 2002 | Co-organizer, Department of Neurobiology and Behavior Seminar Series (Cornell University) |

***EXTERNAL UNIVERSITY PROGRAM REVIEWS***

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|---|---|
| 2027 – | Department of Integrative Biology, University of Texas at Austin |
| 2027 – | Carl R. Woese Institute for Genomic Biology, University of Illinois at Urbana-Champaign |
| 2019 | Carl R. Woese Institute for Genomic Biology, University of Illinois at Urbana-Champaign |

***PROFESSIONAL SOCIETY SERVICE***

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|---|---|
| 2026 – 2028 | Sigma Xi Distinguished Lecturer |
| 2026 | Judge, Quinnipiac Chapter of Sigma Xi Annual Student Conference |
| 2026 | Judge, Sigma Xi Northeastern Research Conference |
| 2013 – 2014 | Local Committee, 15$^{th}$ Congress of the International Society for Behavioral Ecology, Hunter College/NYU |
| 2011 | Member, Animal Behavior Society Student Research Grant Committee |
| 2010 – 2011 (2x) | Mentor, Student Conference on Conservation Science, American Museum of Natural History |
| 2009 | Judge, student presentation awards, American Ornithologists' Union, Philadelphia |
| 2007 | Judge, student presentation awards, Ecological Society of America, San Jose |

***CONSULTANCIES***

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| 2022 | Offspring Films (superb starlings) |
| 2014 | ESPN Outside the Lines (coevolution and baseball) |
| 2014 | PBS, Animal Homes (superb starlings) |
| 2011 | Delphi Fellow, Big Think: Interdisciplinary Global Knowledge Forum |
| 2000 | BBC, The Blue Planet (Galápagos hawks and marine iguanas) |

***EDUCATIONAL OUTREACH***

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|---|---|
| 2010 | Alumni interviewer, Dartmouth College (Manhattan Region) |
| 2008 – | Advisor, Northern Kenya Conservation Clubs, Laikipia, Kenya |
| 2004 | Co-instructor, Workshop on Molecular Methods in Ornithology, National Museums of Kenya |
| 2004 | Organizer, Workshop on Comparative Methods, Cornell University |
| 2000 – 2004 | Alumni interviewer, Dartmouth College (Central New York Region) |
| 1998 – 1999 | Senior advisor, Office of the Dean of the College, Dartmouth College |
| 1998 | Founder, Conservation Lecture Series and Discussion Group, Dartmouth College |

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**ADVISORS**

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| Postdoc | Roy Caldwell and Eileen Lacey, University of California, Berkeley |
| Ph.D. | Paul Sherman and Stephen Emlen, Cornell University |
| A.B. | Richard Holmes and C. Page Chamberlain, Dartmouth College |