DUSTIN R. RUBENSTEIN

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

Columbia University • Department of Ecology, Evolution and Environmental Biology
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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

161. **Rubenstein DR** and S-F Shen. Behavioral biology in the age of AI.
160. 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.
159. Shen S-F and **DR Rubenstein.** The spatial geometry of cooperation in fluctuating environments.
158. 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.
157. Garcia-Ruiz I, P Kennedy and **DR Rubenstein**. Environmental harshness promotes reproductive sharing.
156. Wen Y-H, G-S Mai, **DR Rubenstein**, S Wu, M Liu and S-F Shen. Core trait stability drives morphological innovation in Lepidoptera.
155. 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.
154. Earl AD, GG Carter and **DR Rubenstein**. Drivers of social role switching across individual lifetimes within an avian cooperatively breeding society.
153. Earl AD and **DR Rubenstein**. Genetic and nongenetic contributions to individual variation in social roles in an avian cooperative breeder.
152. 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

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 blue tongue 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. Kennedy P, M Tindo, PSM Masse, S Kapmegne, R Tcheutchoua, M Keeping, CWW Pirk, AN Radford and **DR Rubenstein**. Climate shapes geographical variation in cooperation in a wasp spanning sub-Saharan Africa.
141. 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*).
140. 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.
139. **DR Rubenstein** and M Taborsky. A novel approach to the study of social complexity.

RESEARCH ARTICLES

138. **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.
137. Shen S-F, M Liu and **DR Rubenstein**. 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 labour 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. 2026. 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 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: variation in western pebble mouse (*Pseudomys chapmani*) activity through camera trapping reveals that mound assessment criteria are inaccurate. ***Wildlife Research*** 5: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 the social structure of a cooperative breeder arises due to fine-scale environmental conditions governing directional dispersal. ***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, L Ellwood, W Fiedler, A Flack, B Fruth, N Franconi, RW Havmøller, J Hirt, NR Hussey, F Iannarilli, M Landwehr, ME Müller, T Müller, U Müller, R Oliver, J Partecke, L Pokrovskaya, **DR Rubenstein**, C

Rutz, K Safi, A Santangeli, L van Schalkwyk, A Sequeira, T Ramesh, P Viljoen, K Wasik, S Yanco and R Kays. 2024. Introducing a unique animal ID and digital life history museum for wildlife. ***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 beetles (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 and S-F Shen. 2023. Environmental quality mediates the ecological dominance of cooperatively breeding birds. ***Ecology Letters*** 26:1145–1156.
114. Chan S-F, M Liu, **DR Rubenstein**, I-C Chen, Y-M Fan, 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, Alexandre 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 offspring production in 201 avian populations: 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 Jeffrey 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 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, Y-M Fan, 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.
94. Guindre-Parker S and **DR Rubenstein**. 2020. Survival benefits of group living in a fluctuating environment. ***The American Naturalist*** 195:1027-1036.
93. Liu M, S-F Chan, **DR Rubenstein**, S-J Sun, B-F Chen and S-F Shen. 2020. Ecological transitions in grouping benefits explain the paradox of environmental quality and sociality. ***The American Naturalist*** 195:818-832.
92. Tsai H-Y, **DR Rubenstein**, Y-M Fan, T-N Yuan, B-F Chen, Y Tang, I-C Chen and SF Shen. 2020. Locally-adapted reproductive photoperiodism determines population vulnerability to climate change. ***Nature Communications*** 11:1398.
91. Firman RC, **DR Rubenstein**, JM Moran, KC Rowe and BA Buzatto. 2020. Extreme and variable climatic conditions drive the evolution of sociality in Australian rodents. ***Current Biology*** 30:691-697.
90. Chen B-F, M Liu, **DR Rubenstein**, S-J Sun, J-N Liu, Y-H Lin and S-F Shen. 2020. A chemically triggered transition from conflict to cooperation in burying beetles. ***Ecology Letters*** 23:467-475.
89. Chak STC and **DR Rubenstein**. 2019. TERAD: Extraction of transposable element composition from RADseq data. ***Molecular Ecology Resources*** 19:1681-1688.
88. Liu M, **DR Rubenstein**, S-A Cheong and S-F Shen. 2019. A continuum of biological adaptations to environmental fluctuation. ***Proceedings of the Royal Society B*** 286:20191623.
87. Wu S, C-M Chang, **DR Rubenstein**, C-M Yang, Y-T Huang, H-H Lin, L-C Shih, S-W Chen and S-F Shen. 2019. Artificial intelligence reveals environmental constraints on colour diversity in insects. ***Nature Communications*** 10:4554.
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79. Shen S-F and **DR Rubenstein**. 2019. Environmental uncertainty and social behavior. In ***Encyclopedia of Animal Behavior, 2nd Edition*** (Choe J, ed.). Elsevier, New York, Volume 4, pp. 807-815.
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77. Guindre-Parker S and **DR Rubenstein**. 2018. The oxidative costs of parental care in cooperative and pair-breeding African starlings. ***Oecologia*** 188:53-63.
76. Liu M, **DR Rubenstein**, S-A Cheong and S-F Shen. 2018. Multitasking and the evolution of optimal clutch size in fluctuating environments. ***Ecology and Evolution*** 8:8803–8817.
75. Guindre-Parker S and **DR Rubenstein**. 2018. Multiple fitness benefits of alloparental care in a fluctuating environment. ***Royal Society Open Science*** 5:172406.

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65. **Rubenstein DR** and P Abbot. 2017. Social synthesis: opportunities for comparative social evolution. In ***Comparative Social Evolution*** (**Rubenstein DR** and P Abbot, eds.). Cambridge University Press, Cambridge, pp. 427-452.
64. Hofmeister NR and **DR Rubenstein**. 2016. Environmental variability and the evolution of the glucocorticoid receptor (*Nr3c1*) in African starlings. ***Ecology Letters*** 19:1219-1227.
63. Hofmann HA, SCP Renn and **DR Rubenstein**. 2016. Introduction to symposium: new frontiers in the integrative study of animal behavior: nothing in neuroscience makes sense except in the light of behavior. ***Integrative and Comparative Biology*** 56:1192-1196.
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59. **Rubenstein DR**, CA Botero and EA Lacey. 2016. Discrete but variable structure of animal societies leads to the false perception of a social continuum. ***Royal Society Open Science*** 3:160147.
58. Keen SC, CD Meliza, JA Pilowsky and **DR Rubenstein**. 2016. Song in a social and sexual context: vocalizations signal identity and rank in both sexes of a cooperative breeder. ***Frontiers in Ecology and Evolution*** 4:46.
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52. Chak TCS, JE Duffy and **DR Rubenstein**. 2015. Reproductive skew drives patterns of sexual dimorphism in sponge-dwelling snapping shrimps. ***Proceedings of the Royal Society B*** 282:20150342.
51. Apakupakul K and **DR Rubenstein**. 2015. Bateman's principle is reversed in a cooperatively breeding bird. ***Biology Letters*** 11:20150034.
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43. Keen SC, CD Meliza and **DR Rubenstein**. 2013. Flight calls signal group and individual identity but not kinship in a cooperatively breeding bird. ***Behavioral Ecology*** 24:1279-1285.
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25. **Rubenstein DR** and S-F Shen. 2009. Reproductive conflict and the costs of social status in cooperatively breeding vertebrates. ***The American Naturalist*** 173:650-661.
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15. **Rubenstein DR**. 2007. Temporal but not spatial environmental variation drives adaptive offspring sex allocation in a plural cooperative breeder. ***The American Naturalist*** 170:155-165.
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12. **Rubenstein DR**. 2007. Stress hormones and sociality: integrating social and environmental stressors. ***Proceedings of the Royal Society B*** 274:967-975.
11. Vitousek MN, **DR Rubenstein** and M Wikelski. 2007. The evolution of foraging behavior in the Galápagos marine iguana: natural and sexual selection on body size drives ecological, morphological, and behavioral specialization. In ***Foraging Behavior in Lizards*** (Reilly SM, DB Miles and LD McBrayer, eds.). Cambridge University Press, Cambridge, pp. 491-507.
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9. Lovette IJ, **DR Rubenstein** and WN Watetu. 2006. Provisioning of fledgling conspecifics by males of the brood-parasitic cuckoos *Chrysococcyx klaas* and *C. caprius*. ***The Wilson Journal of Ornithology*** 118:99-101.
8. **Rubenstein DR**. 2005. Isolation and characterization of polymorphic microsatellite loci in the plural cooperatively breeding superb starling, *Lamprotornis superbus*. ***Molecular Ecology Notes*** 5:739-744.
7. **Rubenstein DR** and M Wikelski. 2005. Steroid hormones and aggression in female Galápagos marine iguanas. ***Hormones and Behavior*** 48:329-341.
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4. **Rubenstein DR** and KA Hobson. 2004. From birds to butterflies: animal movement patterns and stable isotopes. ***Trends in Ecology & Evolution*** 19:256-263.
3. **Rubenstein DR** and M Wikelski. 2003. Seasonal changes in food quality: a proximate cue for reproductive timing in marine iguanas. ***Ecology*** 84:3013-3023.
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OTHER ARTICLES

19. **Rubenstein DR**. 2026. The Evolution of Cetacean Societies (Book Review). ***Animal Behaviour*** 238:1.
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***.
15. **Rubenstein DR**. 2021. Darwinian puzzles: from natural to sexual to kin selection. ***AMNH Seminars on Science***.

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.
13. **Rubenstein DR**, H Hofmann, E Akçay, S Alonzo, E Archie, A Beery, R Calisi-Rodríguez, K Carleton, B Chow, J Dubnau, C Grozinger, E Ketterson, A Leifer, T Linksvayer, M MacManes, L Martin, K McGraw, L McGraw, T Mendelson, L O'Connell, A Ophir, L Remage-Healey, S Renn, T Roth, J Tung and S Woolley. 2014. New frontiers for the integrative study of animal behavior. ***National Science Foundation White Paper***.
12. **Rubenstein DR**. 2012. The Flexible Phenotype: A Body-Centered Integration of Ecology, Physiology, and Behaviour (Book Review). ***The Quarterly Review of Biology*** 87:264.
11. **Rubenstein DR** and JE Duffy. 2012. Scientists at work: notes from the field in Belize. ***The New York Times*** July 18-27, 2012.
10. **Rubenstein DR**. 2011. From the big city to the bush. ***Mpala Memos*** July:7.
9. **Rubenstein DR**. 2010. Evolutionary Behavioral Ecology (Book Review). ***The Quarterly Review of Biology*** 85:504.
8. **Rubenstein DR**. 2010. Scientists at work: notes from the field in Kenya. ***The New York Times*** July 13-28, 2010.
7. **Rubenstein DR**. 2009. The secret lives of starlings. ***Natural History*** 118:28-33.
6. **Rubenstein DR**. 2009. Why I do science: the freedom to explore. ***SEED*** 21:34.
5. **Rubenstein DR**, PW Sherman, DI Rubenstein and TM Caro. 2007. Rewilding rebuttal. ***Scientific American*** October:12.
4. **Rubenstein DR**. 2006. Searching for starlings. ***Travel News*** April:58.
3. **Rubenstein DR**. 2006. Chasing starlings, chased by a lion. ***Living Bird*** 26:26-32.
2. **Rubenstein DR**. 2005. The uncommon lifestyle of the superb starling. ***BirdScope*** 19:20.
1. **Rubenstein DR**. 2001. The places you can go. ***Dartmouth Alumni Magazine*** May/June:24-25.

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.

PRESENTATIONS

INVITED SEMINARS

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 University
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

2027 – Symposium, Integrative Science Initiative in Biology, New York University
2026 – Symposium, Social Behavior and Climate Resilience, National Cheng Kung University, Taiwan
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 Speaker Series, 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
2027 –	AI and Plant Sciences, New York
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	BMC Evolutionary Biology	Ethology
Aging Research Reviews	British J Medicine and Medical Research	Evolution
The American Naturalist	Cell Systems	Evolution Letters
Anarchist Studies	Chemical Geology	Evolutionary Applications
Animal Behaviour	Communications Biology	Evolutionary Ecology
Animal Biodiversity and Conservation	The Condor	F1000 Research
Animal Genetics	Current Anthropology	Frontiers in Behav and Evol Ecology
Animals	Current Biology	Frontiers in Genetics
Ann Rev Ecol, Evol, and Systematics	Current Zoology	Frontiers in Psychology
Ardea	Diversity and Distributions	Frontiers in Social Evolution
Asian Bioethics Review	Ecography	Frontiers in Zoology
The Auk	Ecological Applications	Functional Ecology
Basic and Applied Social Psychology	Ecological Indicators	General and Comparative Endocrinology
Behavioral and Brain Sciences	Ecological Modelling	Genome Research
Behavioral Ecology	Ecology	Geosciences
Behavioral Ecology and Sociobiology	Ecology and Evolution	GigaScience
Behaviour	Ecology Letters	Global Change Biology
Biological Conservation	Ecosphere	Global Ecology and Biogeography
Biology Letters	eLife	Heredity
Biological Journal of the Linnean Society	Endangered Species Research	Hormones and Behavior
Biological Reviews	Emu	Human Arenas
Biomedical Journal	Environmental Epigenetics	Ibis
Bird Conservation International	Environmental Science & Technology	Integrative Organismal Biology
BMC Ecology	Estuaries and Coasts	iScience

Journal of Animal Ecology
Journal of Applied Animal Research
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

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

PH.D.

2031 – Khe-Lok Kua (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

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

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)
2012 Camillo Sanin (Major Advisor: Joel Cracraft)
2013 Nathalia Rossi (Major Advisor: Joshua Ginsberg)
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 Dean 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 Senior Faculty Teaching Scholar Program, Provost 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
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

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

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

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, 15th 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

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

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

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