CURRICULUM VITAE

de Bivort, Benjamin Lovegren

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POSITION TITLE

Thomas D. Cabot Associate Professor of Organismic and Evolutionary Biology

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Duke University, Durham NC	B.S.	1998 – 2002	Biology & Mathematics
Harvard University, Cambridge MA	Ph.D.	2002 – 2007	Neuroscience

Positions and employment

2017 – Thomas D. Cabot Associate Professor, Harvard University

2013 – 2017 Assistant Professor, Harvard University
Department of Organismic & Evolutionary Biology
Center for Brain Science

2008 – 2013 Junior Fellow (Principal Investigator), Rowland Institute at Harvard
Evolution of Behavior Group

2007 – 2008 Postdoctoral Fellow, Harvard University
Giribet Laboratory, Department of Organismic & Evolutionary Biology

Honors

2018 – 2020 Smith Family Odyssey Award

2017 – 2020 Klingenstein-Simons Fellowship Award in Neurosciences

2014 – 2018 Sloan Research Fellowship

2014 Kavli Fellow

2008 Lewis-Sigler Fellowship, Princeton University (declined)

2008 Miller Research Fellowship, UC Berkeley (declined)

2005 – 2007 Merck-Wiley Graduate Fellowship

2004 Ernie Peralta Prize (best departmental candidacy exam)

2003 Derek Bok Teaching Award (based on student evaluations)

2002 – 2005 National Science Foundation Graduate Research Fellowship

2001 – 2002 PRUV Fellow, Duke Univ. Mathematics Dept. (supports summer math research)

1998 – 2002 Angier B. Duke Memorial Scholarship to Duke (pays all tuition)

I. RESEARCH

Peer-reviewed publications

(* indicates de Bivort Lab undergraduate coauthors)

1. Crall J, Switzer C, Oppenheimer R, Versypt A, Dey B, Brown A*, Eyster M, Guérin C, Pierce N, Combes S, **de Bivort B**. Neonicotinoid exposure disrupts bumblebee nest behavior, social networks, and thermoregulation. *Science*. (2018). 632(6415): 683-686.
2. Alisch T, Crall J, Zucker D, **de Bivort B.** MAPLE: a Modular Automated Platform for Large-scale Experiments, a low-cost robot for integrated animal-handling and phenotyping. *eLife.* (2018). 7: e37166.
3. Brown A, **de Bivort B**. Ethology as a physical science. *Nature Physics.* (2018). 14: 653-657.
4. Kottler B, Fiore V, Ludlow Z, Buhl E, Vinatier G, Faville R, Diaper D, Stepto A, Dearlove J, Adachi Y, Brown S, Chen C, Solomon D, White K, Humphrey D, Buchanan S, Sigrist S, Endo K, Ito K, **de Bivort B**, Stanewsky R, Dolan R, Martin J-R, Hodge J, Strausfeld N, Hirth F. A lineage-related reciprocal inhibition circuitry for sensory-motor action selection. *BioRxiv.* (2017). *DOI:10.1101/100420.*
5. Kakaria K, **de Bivort B**. Ring attractor dynamics emerge from a spiking model of the entire protocerebral bridge. *Frontiers of Behavioral Neuroscience*. (2017). 11(8). *DOI:10.3389/fnbeh.2017.00008.*
6. Todd J, Kain J, **de Bivort B**. Systematic exploration of unsupervised methods for mapping behavior. *Physical Biology*. (2017). 14: 015002.
7. Isakov A & Buchanan S, Sullivan B*, Ramachandran A*, Chapman J*, Lu N*, Mahadevan L, **de Bivort B**. Recovery of locomotion after injury in *Drosophila melanogaster* depends on proprioception. *Journal of Experimental Biology*. (2016). 219: 1760-1771.
8. **de Bivort B** & van Swinderen B. Evidence for selective attention in the insect brain. *Current Opinion in Insect Science*. (2016). 15: 9-15.
9. Crall J, Souffrant A*, Akandwanaho D* & Hescock S*, Callan S* & Coronado M*, Baldwin M, **de Bivort B**. Social context modulates idiosyncrasy of behavior in the gregarious cockroach *Blaberus discoidalis*. *Animal Behaviour.* (2016). 111:297-305.
10. Giribet G, Boyer S, Baker C, Fernández R, Sharma P, **de Bivort B**, Daniels S, Harvey M, Neethling J, Griswold C. A molecular phylogeny of the temperate Gondwanan family Pettalidae (Arachnida, Opiliones, Cyphophthalmi) with biogeographic and taxonomic implications. *Zoological Journal of the Linnean Society*. (2016). *DOI:10.1111/zoj.12419.*
11. Buchanan S, Kain J, **de Bivort B**. Neuronal control of locomotor handedness in *Drosophila*. *Proceedings of the National Academy of Sciences USA.* (2015). 112(21):6700-6705.

12. Ayroles J, Buchanan S, O'Leary C*, Skutt-Kakaria K, Grenier J, Clark A, Hartl D, **de Bivort B**. Behavioral individuality reveals genetic control of phenotypic variability. *Proceedings of the National Academy of Sciences USA.* (2015). 112(21):6706-6711.
13. Kain J, Zhang S*, Akhund-Zade J, Samuel A, Klein M, **de Bivort B**. Variability in thermal and phototactic preferences in *Drosophila* may reflect an adaptive bet-hedging strategy. *Evolution.* (2015). 69(12): 3171-3815.
14. Kain J, Stokes C, Gaudry Q, Song X, Foley J, Wilson R, **de Bivort B**. Leg-tracking and automated behavioural classification in *Drosophila*. *Nature Communications.* (2013). 4: #1910.
15. Kane A, Gershow M, Afonso B, Larderet I, Klein M, Carter A, **de Bivort B**, Sprecher S, Samuel A. Sensorimotor structure of *Drosophila* larva phototaxis. *Proceedings of the National Academy of Sciences USA.* (2013). 110(40): E3868-E3877.
16. Giribet G, **de Bivort B**, Hitchcock A, Swart P. On *Speleosiro argasiformis* – a troglobitic Cyphophthalmi (Arachnida, Opiliones, Pettalidae) from Table Mountain, South Africa. *Journal of Arachnology.* (2013). 41: 416-419.
17. **de Bivort B**. Isotemporal classes of diasters, beachballs, and daisies. *arXiv.* (2013). arXiv: 1309.2003v1.
18. Kain J, Stokes C, **de Bivort B**. Phototactic personality in fruit flies and its suppression by serotonin and white. *Proceedings of the National Academy of Sciences.* (2012). 109(48): 19834-19839.
19. Song E, **de Bivort B**, Dan C, Kunes S. Determinants of the *Drosophila* Odorant Receptor pattern. *Developmental Cell.* (2012). 22(2): 363-376.
20. Raz S, Graham J, Cohen A, **de Bivort B**, Grishkan I, Nevo E. Growth and asymmetry of soil microfungal colonies from "Evolution Canyon," Lower Nahal Oren, Mount Carmel, Israel. *PloS ONE.* (2012). 7(4): e34689.
21. **de Bivort B**, Clouse R, Giribet G. A cladistic reconstruction of the ancestral mite harvestman (Arachnida, Opiliones, Cyphophthalmi): portrait of a Paleozoic detritivore. *Cladistics.* (2012). 22:582-597.
22. Gaudry Q, Hong E, Kain J, **de Bivort B**, Wilson R. Asymmetric neurotransmitter release enables rapid odour lateralization in *Drosophila*. *Nature.* (2012). 493: 424-428.
23. Boyer S, Giribet G, Sharma P, Benavides L, Clouse R, **de Bivort B**, Dimitrov D, Kawauchi G, Murienne J, Schwendinger P. Evolutionary and biogeographic history of an ancient and global group of arachnids (Arachnida, Opiliones, Cyphophthalmi) with a new taxonomic arrangement. *Biological Journal of the Linnean Society.* (2012). 105(1): 92-130.
24. Clouse R, **de Bivort B**, Giribet G. Phylogenetic signal in morphometric data. *Cladistics.* (2011). 27(4): 337-340.
25. Clouse R, **de Bivort B**, Giribet G. A phylogenetic analysis for the South-east Asian mite harvestman family Stylocellidae (Opiliones: Cyphophthalmi) – a combined analysis using morphometric and molecular data. *Invertebrate Systematics.* (2010). 23(6): 515-529.
26. **de Bivort B**, Clouse R, Giribet G. A morphometrics‐based phylogeny of the temperate Gondwanan mite harvestmen (Opiliones, Cyphophthalmi, Pettalidae). *Journal of Zoological Systematics and Evolutionary Research.* (2010). 48(4): 294-309.
27. **de Bivort B**, Giribet G. A systematic revision of the South African Pettalidae (Arachnida: Opiliones: Cyphophthalmi) based on a combined analysis of discrete and continuous morphological characters with the description of seven new species. *Invertebrate Systematics.* (2010). 24(4): 371-406.

28. **de Bivort B**. Derivation of large-scale cellular regulatory networks from biological time series data. in *Methods in molecular biology: Systems Biology in Drug Discovery and Development*, Yan Q (ed.). (2010). 662: 149-165.
29. **de Bivort B**. Cellular-Level Gene Regulatory Networks: Their Derivation and Properties. in *Systems Biology for Signaling Networks*, Choi S (e.d). (2010). 429-446.
30. Bar-Yam Y, Harmon D, **de Bivort B**. Attractors and democratic dynamics. *Science.* (2009). 323(5917): 1016-1017.
31. **de Bivort B**, Guo H-F, Zhong Y. Notch signaling is required for activity-dependent synaptic plasticity at the Drosophila neuromuscular junction. *Journal of Neurogenetics.* (2009). 23(4): 395-404.
32. **de Bivort B** & Perlstein E, Kunes S, Schreiber, S. Amino acid metabolic origin as an evolutionary influence on protein sequence in yeast. *Journal of Molecular Evolution.* (2009). 68(5): 490-497.
33. Perlstein E & **de Bivort B**, Kunes S, Schreiber, S. Evolutionarily conserved optimization of amino acid biosynthesis. *Journal of Molecular Evolution.* (2007). 65(2): 186-196.
34. **de Bivort B**, Huang S, Bar-Yam Y. Empirical multiscale networks of cellular regulation. *PLoS Computational Biology.* (2007). 3(10): e207.
35. **de Bivort B**, Chen C-C, Perretti F, Negro G, Philip T, Bar-Yam Y. Metabolic implications for the mechanism of mitochondrial endosymbiosis and human hereditary disorders. *Journal of Theoretical Biology.* (2007). 248(1): 26-36.
36. Ciupe M, **de Bivort B**, Bortz D, Nelson P. Estimating kinetic parameters from HIV primary infection data through the eyes of three different mathematical models. *Mathematical Biosciences.* (2006). 200(1): 1-27.
37. **de Bivort B**. Isotemporal classes of n-gons. *arXiv.* (2005). arXiv:math/0501171v1.
38. **de Bivort B**, Giribet G. A new genus of cyphophthalmid from the Iberian Peninsula with a phylogenetic analysis of the Sironidae (Arachnida: Opiliones: Cyphophthalmi) and a SEM database of external morphology. *Invertebrate Systematics.* (2004). 18(1): 7-52.
39. **de Bivort B**, Huang, Sui, Bar-Yam Y. Dynamics of cellular level function and regulation derived from murine expression array data. *Proceedings of the National Academy of Sciences USA.* (2004). 101(51): 17687-17692.

Invited non-peer-reviewed publication

40. **de Bivort B**. Courtship behavior: hearing new notes in classic songs. *Current Biology*. (2018). 28(15): R826–R845.
41. Honegger K, **de Bivort B**. Stochasticity, individuality and behavior. *Current Biology*. (2018). 28(1):R8-R12.
42. **de Bivort B**. Watching a fly on a ball could help us understand its brain. *The Conversation.* (2013, May 29). *https://theconversation.com/watching-a-fly-on-a-ball-could-help-us-understand-its-brain-14735.*

Selected press write-ups

1. Raine N. Pesticide affects social behavior of bees. *Science*. (2018, November 9). *http://science.sciencemag.org/content/362/6415/643*.
   Pertains to: Crall et al., 2018.
2. Kennedy M. A new robot tracks sick bees wearing tiny coded backpacks. *Wired*. (2018, November 8). *https://www.wired.com/story/bumblebee-tracking-robot*.
   Pertains to: Crall et al., 2018.
3. Simon M. Scientists Spy On Bees, See Harmful Effects Of Common Insecticide. *NPR*. (2018, November 9). *https://www.npr.org/2018/11/09/665634367/scientists-spy-on-bees-see-harmful-effects-of-common-insecticide*.
   Pertains to: Crall et al., 2018.
4. Dambrot S. From gene to phene: Scientists demonstrate genetic control of phenotypic variability. *MedicalxPress*. (2015, June 2). *http://medicalxpress.com/news/2015-06-gene-phene-scientists-genetic-phenotypic.html*.
   Pertains to: Ayroles et al., 2015.
5. Singer E. Roots of animals' individuality revealed with ‘Groundhog Day’ experiments. *Scientific American*. (2015, June 1). *http://www.scientificamerican.com/article/roots-of-animals-individuality-revealed-with-groundhog-day-experiments*. Reprinted from *Quanta Magazine*.
   Pertains to: Buchanan et al., 2015; Ayroles et al., 2015; Kain et al., 2015; Kain et al., 2012.
6. Williams S. Eye on the Fly. *The Scientist*. (2015, January 1). *http://www.the-scientist.com/?articles.view/articleNo/41700/title/Eye-on-the-Fly.*
   Pertains to: Kain et al., 2013.
7. Costa J. 11 Young Neuroscientists Share Their Cutting-Edge Research. WBUR. (2014, June 12). *http://www.wbur.org/news/2014/06/12/neuroscientists-brain-videos*.
8. Pastrana E. Fly Walk. *Nature Methods.* (2013, June 27). 10:604 – 605. *doi:10.1038/nmeth.2545*.
   Pertains to: Kain et al., 2013.
9. Berezow A. Do fruit flies have free will? *Real Clear Science*. (2012, November 17). *http://www.realclearscience.com/journal_club/2012/11/17/do_fruit_flies_have_free_will_106407.html*.
   Pertains to: Kain et al., 2012.

Invited talks and seminars

2019 Cornell Department of Neurobiology and Behavior

2019 Conference of the Animal Behavior Society & Ethological Conference

2019 Crete Workshop on Neural Circuits and Behavior of *Drosophila*

2019 Sölden International Neuroscience Winter Conference (workshop organizer)

2019 Columbia Workshop on Brain Circuits, Memory and Computation

2019 Kirby Neurobiology Center & Dept. of Neurobiology, Harvard Medical School

2018 Princeton Biophysics

2018 Janelia Conference: Function of the Insect Central Complex
2018 Woods Hole Oceanographic Institute Biology Department
2018 Champalimaud Centre: CAJAL Adv. Neuro. Prog., Behavior & Neural Systems
2018 Rockefeller University
2018 Aspen Center for Physics: Workshop on The Physics of Behavior
2018 Klingenstein-Simons Fellowship Awards Meeting
2018 University of Iceland Life and Environmental Sciences Seminar
2018 University of Virginia Department of Biology Seminar
2018 Kavli Brain Forum, Emory & Georgia Tech
2017 Max Planck Workshop on Mechanisms of Natural Behaviors, Shanghai China
2017 University of Ottawa Neuroscience Seminar
2017 Annual Meeting of the German Zoological Society (main speaker)
2017 Regensburg University Behavioral Biology Mini-Symposium
2017 Ludwig Maximilian University-Harvard Young Scientists Forum
2017 Crete Workshop on Neural Circuits and Behavior of *Drosophila*
2017 NeuroTuscany: Circuits and Behavior
2017 COSYNE workshop on High-Dimensional Neuro-Behavioral Analyses
2016 Simons Foundation Workshop on Unbiased Quantitative Analysis of Behavior
2016 University of Edinburgh Inst. of Perception, Action and Behavior Seminar Series
2016 Johns Hopkins University Department of Neuroscience Seminar Series
2016 Champalimaud Centre: CAJAL Adv. Neuro. Prog., Behavior & Neural Systems
2016 The Allied Genetics Conference
2016 Fond. des Treilles Workshop: From Indiv. Variation to Gen. Basis of Environ. Sensitivity
2016 NeuroTuscany: Circuits and Behavior
2016 Janelia Conference: Function of the Insect Central Complex
2015 Society for Neuroscience Meeting
2015 TEDx Beacon Street
2015 Rockefeller University Neuroscience Seminar Series
2015 Champalimaud Centre: CAJAL Adv. Neuro. Prog., Behavior & Neural Systems
2015 Imperial College London MRC Clinical Sciences Centre Seminar
2015 Crete Workshop on Neural Circuits and Behavior of *Drosophila*
2015 University of Iceland Life and Environmental Sciences Seminar
2015 Gordon Research Seminar on Neuroethology (invited faculty representative)
2015 Harvard University Center for Brain Science Annual Retreat
2015 *Drosophila* Research Conference
2015 American Physical Society Meeting

2014 Kavli Frontier Symposium
2014 Lehigh University Biological Sciences Fall Colloquium Seminar Series
2014 Michigan State University Science at the Edge Seminar Series
2014 ESF-EMBO Symp: Flies Worms & Robots – Minibrains & Behavior
2014 Central South Univ., Changsha, China – Research Collaboration Seminar
2013 Harvard University Center for Brain Science Brownbag Seminar Series
2013 Neurodevelopmental Behavior Core, Harvard Medical School
2013 Harvard University Center for Brain Science Annual Retreat
2013 Princeton University Biophysics Seminar
2012 Janelia Conference: Function of the Insect Central Complex
2008 Harvard Organismic and Evolutionary Biology Seminar Series
2005 Boston Area Graduate Student Symposium

II. TEACHING & MENTORING EXPERIENCE

Courses taught at Harvard

Term	Course Taught	Enroll-ment	Q-score, out of 5 (Course)	Comments
Spring 2019	LS 50B: Integrated Science‖	TBD	TBD	
January 2019	MCB 356: Practical Introduction to Robotics	13	TBD	
Fall 2018	LS 50A: Integrated Science‖	33	**3.8** (4.2)	
Spring 2018	LS 50B: Integrated Science§	32	**4.3** (4.3)	
January 2018	MCB 356: Practical Introduction to Robotics	14	**5.0** (5.0)	
Fall 2017	LS 50A: Integrated Science§	37	**3.8** (4.0)	
Spring 2017	LS 50B: Integrated Science ‡	18	**4.7** (4.3)	
Spring 2017	BIOPHYSICS 242R: Special Topics in Biophysics: Biophys., Brain & Behavior◊	12	NA (4.0)	
January 2017	MCB 356: Practical Introduction to Robotics	18	**4.7** (4.5)	
Fall 2016	LS 50A: Integrated Science‡	21	**4.4** (4.4)	
Spring 2016	LS 50B: Integrated Science*	22	**4.2** (4.4)	new course

January 2016	MCB 356: Practical Introduction to Robotics	20	NA	new nanocourse
Fall 2015	LS 50A: Integrated Science*	24	NA (4.1)	new course
Spring 2015	OEB 131: Neuroethology	3	**5.0** (5.0)	
Fall 2014	LS 200: Integrated Science*†	9	NA	new course
Spring 2014	OEB 131: Neuroethology	6	**4.5** (4.2)	new course

‖ co-instructors: Andrew Murray, Cassandra Extavour, Michael Desai, Aravi Samuel
§ co-instructors: Andrew Murray, Cassandra Extavour, Michael Desai, Sean Eddy
‡ co-instructors: Andrew Murray, Cassandra Extavour, Michael Desai, Erel Levine, Sean Eddy
◊ co-instructors: Aravi Samuel, Florian Engert
* co-instructors: Andrew Murray, Cassandra Extavour, Michael Desai, Erel Levine, Mary Wahl
† pedagogical course for graduate students

Courses taught elsewhere

Term	Course Taught	Enrollment	Comments
Summer 2018	CAJAL Advanced Neurobiology Programs: Behavior & Neural Systems, Champalimaud Centre	20	co-directed CAJAL BNS course. Provided direct co-instruction for 2/3 weeks
Summer 2016	CAJAL Advanced Neurobiology Programs: Behavior & Neural Systems, Champalimaud Centre	20	supervised independent student projects for 10 days of 21 day course
Summer 2015	CAJAL Advanced Neurobiology Programs: Behavior & Neural Systems, Champalimaud Centre	20	supervised independent student projects for 10 days of 21 day course

Graduate committee mentoring and advising

Student	Advisor(s)	Program	PQE *	DAC †	Thesis Def. ◊
Michael Myagi	Desai/Wakeley	OEB	X		
Evan Hoki	Pierce	OEB	X		
Shoyo Sato	Giribet	OEB	X		
Nicole Bedford	Hoekstra	OEB		X	X
Alex Hyde	Nowak/Mahadevan	OEB	X	X	
Jake Gable	Hoekstra	OEB	X	X	
Jake Peters	Combes/Mahadevan	OEB	X	X	X
James Crall	Combes/Pierce	OEB		X	X
Ambika Kamath	Losos	OEB		X	X
Hillery Metz	Hoekstra	OEB		X	X
Tamsin Jones	Extavour	OEB	X		

Katie Boronow	Losos	OEB	X		
Yuqi Qin	Zhang	OEB		X	X
Kristian Herrera	Engert	MCO	X	X	
William Menegas	Uchida	MCO	X	X	X
Javier Masis	Cox	MCO	X	X	
Yang Jiang	Kunes	MCO	X	X	X
Caitlin Lewarch	Hoekstra	MCO	X	X	
Emily Hager	Hoekstra	MCO	X	X	
Felix Baier	Hoekstra	MCO	X	X	
Jasper Maniates-Selvin	Lee	PiN		X	
Jenny Lu	Wilson	PiN	X	X	
Sasha Rayshubskiy	Wilson	PiN	X	X	
Robert Johnson	Engert	PiN	X	X	
He Yang	Kunes	PiN	X	X	
Michael Marquis	Wilson	PiN	X	X	
Willie Tobin	Wilson	PiN			X
Joe Bell	Wilson	PiN			X
Alexandra Batchelor	Wilson	PiN	X	X	X[C]
Mariela Petkova	Engert	Biophysics	X		
Drago Guggiana-Nilo	Engert	Biophysics	X		X
Jacob Baron	Samuel	Physics	X		X
Alex Isakov	Samuel	Physics	X		X
Matt Berck	Samuel	Physics	X		X
Roshan Satapathy	Jösch	Inst Sci & Tech Austria	X		X
Alejandro Lopez	Bargmann	Rockefeller University			X
Balazs Szigeti	Webb	University of Edinburgh			X

* Preliminary qualifying exam (PQE)
† Dissertation advisory committee (DAC)
◊ Thesis defense committee
[C] Served as committee chair

III. ACADEMIC SERVICE

Harvard affiliations

Department of Organismic and Evolutionary Biology

Center for Brain Science

Molecules, Cells, Organisms Graduate Program

Program in Neuroscience Graduate Program

Biophysics Graduate Program

Mind, Brain, Behavior Initiative

Leverett House Senior Common Room

Departmental service and committee membership

2013 – present	OEB Undergraduate Committee
2013 – present	Graduate admissions interviewer for OEB
2013 – present	Faculty reader of 15 Integrative Biology undergraduate honors theses
2015 – 2017	OEB Webpage Committee
2017 – 2018	OEB Global Change Ecology Search Committee

University service and committee membership

2013 – present	Graduate admissions interviewer for MCO
2013 – present	Mind Brain Behavior Standing Committee
2017 – present	Standing Committee on Degrees in Neuroscience/Neurobiology
2018	Judge, Harvard iGEM BioHackathon
2013 – 2018	MCO Graduate Training Program Journal Club Committee Coach for 21 total MCO Journal Club presentations
2017	GSAS Alumni Day Presenter
2017	Mind Brain Behavior Faculty Award Reviewer
2015 – 2016	Program in Neuroscience Graduate Admissions Committee
2015	Speaker at FAS Campaign event: “Concentrations: Exploring the Basis of Behavior & Cognition”
2013 – 2014	Life Science Curriculum Committee
2004 – 2008	Resident Tutor, Leverett House
2003 – 2004	Non-Resident Tutor, Leverett House
2003 – 2004	MCB Genetics and Genomics Training Program webpage committee
2002 – 2003	Co-Organizer of Genetics and Genomics Training Program Symposium: “Species Interactions and Coevolution” – joint between MCB, OEB

Professional service and memberships

2015 – present	Member, Society for the Study of Evolution
2015 – present	Scientific Advisor, FlySorter LLC
2016 – present	Member, Genetics Society of America
2017 – present	Codirector CAJAL Advanced Neuro. Prog.: Behavior & Neural Systems

Ad-hoc reviewer

Nature • *Current Biology* • *eLife* • *Journal of Experimental Biology* • *PLoS Biology* • *Nature Methods* • *Nature Communications* • *Journal of Comparative Neurology* • *Physical Biology* • *PLoS ONE* • *Philosophical Transactions of the Royal Society B* • *Cladistics* • *Zoologica Scripta* • *Frontiers in Behavioral Neuroscience* • *Frontiers in Psychology* • *Journal of the Royal Society: Interface* • *Scientific Reports* • *Science Advances* • *Journal of Neuroscience Methods* • *Mathematical Biosciences and Engineering* • *BMC Bioinformatics* • *The European Physical Journal* • Human Frontier Science Program • Wellcome Trust Postdoctoral Fellowship • Wellcome Trust Dale Fellowship • Forschungsgemeinschaft • KU Leuven Interdisciplinary Research Projects Grant

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IV. Other

2017 – present	Superforecaster, Hybrid Forecasting Competition
2005 – present	Member Team Left Out, MIT Mystery Hunt (11 top-10 finishes, 5 top-3 finishes, and 1 win in 2019 in 15 years of competition)
2013 – 2015	Superforecaster, Good Judgement Project
2012 – 2013	Forecaster, Good Judgement Project
2010	Volunteer interpreter, Boston Museum of Science: Butterfly Hall