

# Anusha Shankar

Reader, Tata Institute of Fundamental Research Hyderabad  
Email: [ashankar@tifrh.res.in](mailto:ashankar@tifrh.res.in) | Website: [anushashankar.weebly.com](http://anushashankar.weebly.com)  
Twitter: [@nushiamme](https://twitter.com/nushiamme) | Github: [nushiamme](https://github.com/nushiamme)

## Professional Appointments

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<b>Reader (Assistant Professor)</b> Tata Institute of Fundamental Research (TIFR) Hyderabad, India	2023–
<b>Rose Postdoctoral Fellow, Lab of Ornithology</b> (Supervisors: <a href="#">Dr. Irby Lovette</a> & <a href="#">Dr. Maren Vitousek</a> ) Transcriptomics of a sleep-torpor spectrum in hummingbirds Cornell University, Ithaca, NY, USA	2020–23
<b>Postdoctoral Fellow, Institute of Arctic Biology</b> (Supervisor: <a href="#">Dr. Cory Williams</a> ) Seasonal Affective Disorder in diurnal Nile grass rats: behavior & neuroendocrinology University of Alaska Fairbanks, Alaska, USA	2019–20

## Education

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<b>PhD, Ecology and Evolution</b> (Advisors: <a href="#">Dr. Catherine Graham</a> , <a href="#">Dr. Don Powers</a> ) "Field physiology to build hummingbird daily energy budgets: Hummingbirds are energetically flexible", Stony Brook University, New York, USA	2012–18
<b>M.Sc. Ecology and Environmental Sciences (Advisor: <a href="#">Dr. Priya Davidar</a>)</b> "Malabar Pied Hornbill ( <i>Anthracoceros coronatus</i> ) nest site parameters in the highly fragmented Northern Western Ghats, India", Pondicherry University, Puducherry, India	2009–11
<b>B.Sc. Advanced Zoology and Biotechnology</b> Stella Maris College, Chennai, India	2006–09

## Publications and Manuscripts

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**Published = 11, In prep = 2**

Miller CR, Houtz JL, Mejia N, Morris NJ, Pipkin MA, **Shankar A**, Uehling JJ, Williamson JL and Vitousek MN. 2024. What can tree swallows teach us about biology?. *Frontiers for Young Minds*. 12:1274157. DOI: 10.3389/frym.2024.1274157

**Shankar A**, Deal CK, McCahon S\*, Callegari K\*, Seitz TJ, Yan L, Drown DM, Williams CT. 2023. SAD rats: Effects of short photoperiod and carbohydrate consumption on sleep, liver steatosis, and the gut microbiome in diurnal grass rats. *Chronobiology International*, DOI: 10.1080/07420528.2023.2288223

**Shankar A**, Welch KCJ, Eberts ER\*, Geiser F, Halter S, Keicher L, Levesque DL, Nowack J, Wolf BO, Wolfe SW\*. 2023. Daily torpor in birds and mammals: Past, present, and future of the Field. *Integrative and Comparative Biology*, icad095, DOI:10.1093/icb/icad095

Eberts ER\*, Tattersall G, Auger P, Curley M, Morado M, Strauss E, Powers DR, Camacho NM, Tobalske BW, **Shankar A**†. 2023. Free-living Allen's hummingbirds (*Selasphorus sasin*) rarely use torpor while nesting. *J Thermal Biology*, 112:103391. DOI:10.1016/j.jtherbio.2022.103391. †Supervising author

Somjee U, **Shankar A**, Falk JJ. 2022. Can sex-specific metabolic rates provide insight into patterns of metabolic scaling? *Integrative and Comparative Biology*. 62(5):1460–1470, DOI:10.1093/icb/icac135

**Shankar A**, Cisneros INH\*, Thompson S\*, Graham CH, Powers DR. 2022. A heterothermic spectrum in hummingbirds. *Journal of Experimental Biology*. 225:2. DOI:10.1242/jeb.243208. **Cover image:** JEB 225:2

JEB's **Editor's Choice**, Feb 2022. Covered by: [Inside JEB](#), [American Scientist](#), [Scientific American](#), [Audubon](#), [Earth.com](#), [Phys.org](#), [Science Daily](#), [ScienMag](#), [Cornell Chronicle](#), [Bird Watching Magazine](#)

**Shankar A**, Williams CT. 2021. The darkness and the light: diurnal rodent models for seasonal affective disorder. Invited Review. *Disease Models and Mechanisms*. 14(1):dmm047217. DOI:10.1242/dmm.047217

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**Shankar A**<sup>†</sup>, Schroeder RJ<sup>†</sup>, Wethington SM, Graham CH, Powers DR. 2020. Hummingbird torpor in context: duration, more than temperature, is the key to nighttime energy savings. *Journal of Avian Biology*. 51(5):jav.02305. DOI: 10.1111/jav.02305. (†Equal authors)

**Shankar A**, Powers DR, Dávalos LM, Graham CH. 2020. The allometry of daily energy expenditure in hummingbirds: an energy budget approach. *Journal of Animal Ecology*. 89:1254–1261. DOI: 10.1111/1365-2656.13185

**Shankar A**, Graham CH, Canepa JR, Wethington SM, Powers DR. 2019. Hummingbirds budget energy flexibly in response to changing resources. *Functional Ecology*. 3(10):1904-16. DOI: 10.1111/1365-2435.13404

Graham CH, Supp SR, Powers DR, Beck PA, Lim MCW, **Shankar A**, Cormier, T, Goetz S, and Wethington S. 2016. Winter conditions influence biological responses of migrating hummingbirds. *Ecosphere*. 7(10):e01470

Elting R\*, **Shankar A**, Powers DR, Rico-Guevara A. Hummingbirds' maximal feeding rates. *In prep*

Blackwell ER\*, Wolfe SW\*, Liang S\*, Powers DR, **Shankar A**. Surface temperature is a reliable proxy for metabolic state in hummingbirds. *In prep*

\* Mentored students

## Grants & Awards (over \$386,399 raised)

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### Research grants

<b>Ramalingaswami Re-entry Fellowship</b> , Department of Biotechnology, Government of India Jul 2023.	\$50,000
<b>Center for Vertebrate Genomics</b> , Genomics Scholar Award. "Hot and cold hummingbirds: Comparing birds and mammals to understand vertebrate sleep and torpor". Nov 2021	\$10,000
<b>National Geographic Society</b> Grant. "Hot and cold hummingbirds: Comparing birds and mammals to understand vertebrate sleep and torpor". Jul 2021	\$40,000
<b>Explorer's Club Discovery Expedition</b> Grant. [Declined]. Hot and cold hummingbirds: Comparing birds and mammals to understand vertebrate sleep and torpor. Jul 2021	\$30,000
<b>American Ornithological Society</b> , Postdoctoral Research Award. Hot and cold hummingbirds: Comparing birds and mammals to understand vertebrate sleep and torpor. Apr 2021	\$2,500
<b>National Geographic Society</b> , co-PI, grant for a website/book on Collective Visions for a Sustainable post-COVID future. Nov 2020	\$12,500
<b>Rose Postdoctoral Fellowship, Cornell University</b> Research and salary for hummingbird physiological transcriptomics project. 2020-2023	\$189,000
<b>Cost of Education scholarship</b> , Dept of Ecology and Evolution, Stony Brook For research in ecology. Mar 2018	\$600
<b>David F. Ludwig travel scholarship, AEHS.</b> For fieldwork on shallow torpor in hummingbirds in Arizona. Aug 2017	\$1000
<b>Experiment crowd-funded grant, Experiment.com.</b> With Erich Eberts*, Dr. Peter Auger, Dr. Glenn Tattersall, and Maria Curley. To study nesting female hummingbirds' torpor use with thermal cameras. Dec 2016. *Mentored student	\$5026
<b>Lewis and Clark field scholarship grant</b> , American Philosophical Society For field work on hummingbird physiological ecology. May 2016	\$5000
<b>Mildred and Herbert Weisinger dissertation fellowship, Stony Brook University.</b> For dissertation research on hummingbird physiology and ecology. Mar 2016	\$10,000
<b>Lawrence B. Slobodkin award</b> for research in ecology, Feb 2016	\$750
<b>Departmental unrestricted research grant</b> , Stony Brook University, Mar 2015	\$750

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<b>Tinker field research grant</b> , Tinker Foundation. For field research in Latin America. May 2014	\$2300
<b>National Geographic Society Young Explorer's Grant</b> . <i>Field-based physiological ecology: A key component for forecasting species distributions</i> Mar 2014	\$4997
<b>Departmental research excellence award</b> , Stony Brook University, Mar 2014	\$1000
<b>Lawrence B. Slobodkin award</b> for Research in Ecology, March 2013	\$900

## Awards, Symposia, and Travel Grants

<b>Company of Biologists Global South Physiology workshop</b> Kruger National Park, South Africa	Mar 2024
<b>Cornell University Postdoc Achievement Award for Excellence Mentoring</b>	Sept 2023
<b>Travel Award</b> , Young Investigator's Meeting, India Bioscience	Feb 2023
<b>Leading Edge Fellow</b> , Howard Hughes Medical Institute, Janelia	May 2022
<b>Company of Biologists</b> , Conference Symposium Grant. <i>Daily torpor across birds and mammals: Recent progress and how do we advance the field?</i> . \$2,425	May 2022
<b>National Science Foundation</b> , Conference Symposium Grant. <i>Daily torpor across birds and mammals: Recent progress and how do we advance the field?</i> \$9964	Aug 2022
<b>Cornell Center for Vertebrate Genomics</b> Travel Grant. to attend Society for Integrative and Comparative Biology (SICB) Meeting 2022. \$800	Oct 2021
<b>Jackson Wild Media Fellowship</b> , one of 16 out of over 300 applicants chosen to attend <a href="#">Jackson Wild Media Lab</a> 2021 at Jackson Hole, Wyoming for hands-on documentary film-making training	Sep 2021
<b>Elected Fellow</b> , American Ornithological Society	Aug 2021
<b>Dorothy Skinner Award</b> , Society for Integrative and Comparative Biology. \$500	Jan 2021
<b>Professional Development Award</b> Society for Integrative and Comparative Biology. \$300	Jan 2021
<b>INBRE Faculty Travel Award</b> from Alaska INBRE for travel, membership and registration for attending SICB. \$2000	Jan 2020
<b>Diversity &amp; Inclusion Travel Award</b> from the American Ornithological Society for travel, membership and registration at the AOS meeting. \$760	June 2019
<b>Resource Access Project Award</b> , Graduate Student Organization, Stony Brook University. For conference travel. \$500	Apr 2018
<b>3-Minute Thesis</b> , Stony Brook University. <a href="#">3rd place</a>	Apr 2018
<b>Best Teaching Assistant Award</b> , Department of Ecology and Evolution Stony Brook University	Mar 2018
<b>Departmental Service Award</b> for service to the Department of Ecology and Evolution Stony Brook University	Mar 2018
<b>National Geographic Leadership and Development Program</b> for <a href="#">Young Leaders</a> 1 of 15 international grantees selected for this year-long program	2017-18
<b>Charlotte Magnum student support award</b> for housing costs at the Society for Integrative and Comparative Biology (SICB) Meeting	2017, 2018
<b>Distinguished Travel Award</b> , <a href="#">Graduate Student Organization</a> , Stony Brook University To attend International Union of Physiological Sciences Meeting, Rio, Brazil. \$1500	Aug 2017
<b>SICB broadening participation travel award</b> . To attend Society for Integrative and Comparative Biology (SICB) Annual Meeting. \$489	Jan 2017

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<b>Cedar Brook award</b> for best talk at the Ecology and Evolution departmental retreat, Stony Brook University	Feb 2016
<b>National Science Foundation mentoring program</b> for Young Scientists (Travel and registration award for GRC 2014: "Unifying Ecology across Scales")	Jul 2014
<b>Resource Access Project Award</b> , Graduate Student Organization, Stony Brook University. For conference travel. \$350	Jan 2013

## Recent Research Experience

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<b>Postdoctoral work</b> Physiological transcriptomics of heterothermy in Anna's hummingbirds, <u>Funded</u> by a Cornell Lab of Ornithology Rose Postdoctoral Fellowship	2020-current
<b>Postdoctoral work</b> Sleep disruption, carbohydrate consumption, gut microbiome changes in response to short photoperiod in Nile grass rats (A study of Seasonal Affective Disorder), <u>Funded</u> by NIH INBRE Alaska	2019-20
<b>Dissertation work</b> Integrating hummingbird field physiology with ecology (energy expenditure and intake), <u>Funded</u> by NASA.	2012-18
<b>Visiting Scientist, WSL, Switzerland</b> Swiss Federal Institute for Forest, Snow and Landscape Research. 3 months; Analyses and paper writing with Dr. Catherine Graham and Dr. Don Powers	2017,18
<b>Visiting Researcher, George Fox University, Oregon</b> 6 weeks; Analyses and paper writing with Dr. Don Powers	2018
<b>Research Assistant, NASA hummingbird diversity grant, Stony Brook, New York</b> Compiled data and performed preliminary data analyses (in R), generated maps for publication, improved methods of data collection and storage	2013, 2018
<b>Field Technician, Shola evolution project, NCBS Bangalore.</b> Mist-netted, collected blood samples, made morphological measurements, extracted DNA and carried out PCR for high elevation bird species	2012

## Talks and posters (Total = 115)

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### Invited talks = 91

<b>Company of Biologists Workshop</b> , Kruger, South Africa. How global south research can shape the future of comparative physiology. <i>Hot and cold birds: comparative physiology and transcriptomics in heterotherms</i>	2024
<b>Second ARUMDA Symposium Program</b> , TIFR Hyderabad. (Advanced Research Unit on Metabolism, Development & Aging) <i>Stable isotopes and wild animals: Budgeting energy in coldish endotherms</i>	2024
<b>National Symposium on Avian Biology</b> , by the Association for Avian Biologists in India. <i>Budgeting heat and energy: How do birds in the tropics do it?</i>	2024
<b>Sawaal Jawaab public talk</b> , hosted by TIFR Hyderabad, at Aaromale Cafe. <i>A journey from hoolock to hornbills to hummingbirds: How do cold warm-blooded animals exist?</i>	2024
<b>NCBS Annual Talks</b> , Bengaluru, India. <i>Heterothermy in India: A comparative framework to understand how animals respond to variable environments</i>	2024
<b>National Geographic Learning</b> , Tampa, Florida. <i>Collecting data on hummingbirds and myself: students can too!</i>	2023

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<b>Leading Edge Symposium alumna talk</b> , HHMI Janelia Research Campus. <i>Heterothermy: A comparative framework to understand how animals respond to variable environments</i>	2023
<b>National Geographic Learning</b> , Atlanta, Georgia. <i>Collecting data on hummingbirds and myself: students can too!</i>	2023
<b>Indian Institute of Science</b> , Bengaluru, India. <i>Cold endotherms: Integrating ecology, physiology and -omics in the tropics</i>	2023
<b>National Centre for Biological Sciences</b> , Bengaluru, India. <i>Cold endotherms: Integrating ecology, physiology and -omics in the tropics</i>	2023
<b>Physiology Guest Lecture, "Basic Course in Ornithology"</b> . National Programme on Technology Enhanced Learning, India. <i>Hot and cold endotherms: How to study the physiology of wild animals</i>	2023
<b>Stanford University Biology seminar</b> . <i>Hot and cold hummingbirds: The ecology, physiology and genes of cold endotherms</i>	2022
<b>Animal Science guest lecture</b> , Cornell University. <i>Herps to hornbills to hummingbirds: Morphing myself from field (ecology) mouse to a lab (genomics) rat</i>	2022
<b>University of Montana Biology seminar</b> . <i>Hot and cold hummingbirds: The ecology, physiology and genes of cold endotherms.</i>	2022
<b>University of Minnesota Conservation Sciences seminar</b> . <i>Hot and cold hummingbirds: Genes that allow cold endotherms to exist.</i>	2022
<b>Queen's University Biology seminar</b> . <i>Hot and cold hummingbirds: The ecology, physiology and genes of cold endotherms</i>	2022
<b>Ornithology Seminar</b> , Cornell University. <i>Herps to hornbills to hummingbirds: Morphing myself from field (ecology) mouse to a lab (genomics) rat</i>	2022
<b>Oregon State University seminar</b> . <i>Hot and cold hummingbirds: Genes that allow cold endotherms to exist</i>	2022
<b>George Fox University</b> . <i>Hot and cold hummingbirds: Genes that allow cold endotherms to exist</i>	2022
<b>Leading Edge Symposium</b> . <i>Genes that let cold endotherms exist: animals in torpor</i>	2022
<b>UT Austin Hofmann lab group</b> . <i>Linking physiology, ecology, and genes: the mysteries of hummingbird torpor</i>	2022
<b>Center for Vertebrate Genomics, CVG Scholar's lunch</b> . <i>Linking physiology, ecology, and genes: the mysteries of hummingbird torpor</i>	2022
<b>Cornell Ornithology Lecture</b> . Guest lecture. <i>Avian physiology: energetics</i>	2022
<b>Global Education Alaska, Library Live series</b> . <i>Hummingbirds!</i>	2022
<b>Columbia Youth In STEM program</b> . <i>My career path in STEM</i>	2022
<b>Bird Protection Quebec</b> . <i>Hummingbirds are energy ninjas, day and night!</i>	2022
<b>Hidden Compass</b> . <i>Hummingbirds, hibernation, and human medicine: What the world's tiniest birds reveal about our future</i>	2022

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<b>Cornell Ecology and Evolutionary Biology</b> Symposium speaker, <i>Hot and cold hummingbirds: how does torpor exist?</i>	2021
<b>Desert Rivers Audubon Society</b> Webinar speaker, <i>The metabolism of hummingbirds</i>	2021
<b>Lab of Ornithology Board Meeting</b> Postdoc showcase. <i>Linking physiology, ecology, and genes: Animals in variable environments</i>	2021
<b>National Geographic Learning</b> Webinar speaker, Virtual Learning Series: National Geographic Explorers in the Classroom	2021
<b>Ada Lovelace Day.</b> Panelist: <i>The Science of Hypersleep</i>	2021
<b>Tata Institute for Fundamental Research Hyderabad.</b> Seminar: <i>Linking physiology, ecology, and genes: Animals in variable environments</i>	2021
<b>Cornell Lab of Ornithology Visitor Center.</b> Webinar: <i>How High-Energy Hummingbirds Survive: a Q&amp;A with the Experts</i>	2021
<b>Global Education Alaska, Library Live series.</b> <i>Hummingbirds!</i>	2021
<b>Asheville Museum of Science.</b> <i>Ask a Scientist: lessons from hummingbirds with Dr. Anusha Shankar</i>	2021
<b>Seattle Audubon &amp; West Coast Birders.</b> <i>Not just powered by sugar: the energetic strategies of hummingbirds</i>	2021
<b>Cayuga Bird Club.</b> <i>Hot and cold energy ninjas: how hummingbirds survive the night</i>	2021
<b>University of Exeter Virtual Costa Rica field course,</b> Guest Lecture, invited by Dr. Neeltje Boogert. <i>Hummingbird ecology and fieldwork</i>	2021
<b>Exploring by the seat of your pants.</b> Talk to an Iowa school district. <i>Studying hummingbirds</i>	2021
<b>Stony Brook University Graduate Career Association.</b> <i>A conversation on balancing research and outreach: who do I want to be?</i>	2021
<b>Exploring by the seat of your pants.</b> Talk to school classrooms <i>Studying hummingbirds</i>	2021
<b>Explorer classroom.</b> Three talks to audiences aged 4-8yo and 9-14yo. <i>Hummingbird ecology</i>	2021
<b>Women Blaze Trails festival.</b> Talk, <i>Seeing Science in Everyday Life: Lessons from Hummingbirds</i>	2021
<b>TEDx IIMBG, India.</b> Talk, <i>What we can learn by listening to nature</i>	2020
<b>Cornell Youth Bird Club, Ithaca, NY.</b> <i>Hummingbirds: energy ninjas</i>	2020
<b>Advanced Animal Behaviour class, Carleton University, Guest Lecture.</b> <i>Collecting data from hummingbirds, "depressed" rats, and myself</i>	2020
<b>NCBS BLiSC, Bangalore Life Sciences Cluster, National Centre for Biological Sciences, India.</b> <i>From hornbills to hummingbirds: What watching wildlife can teach us about ourselves</i>	2020
<b>Ornithology Seminar, Cornell University.</b> <i>Collecting data from hummingbirds, "depressed" rats, and myself</i>	2020

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<b>IISER Behrampur La Vida</b> , Ecology series. <i>How do the world's smallest birds - hummingbirds - manage to exist?</i>	2020
<b>Centro de Innovación y Educación</b> , Mexico. <i>La vida secreta de los colibríes</i>	2020
<b>British Ecological Society</b> Ecology Live. <i>Spending energy unusually and flexibly: lessons from flying ninja hummingbirds</i>	2020
<b>Madras Naturalists' Society</b> . <i>How do the world's smallest birds - hummingbirds - manage to exist?</i>	2020
<b>Explorer classroom</b> through National Geographic: Live Zoom call for classrooms. <i>Collecting data to understand yourself</i>	2020
<b>Explorer classroom in Spanish</b> through National Geographic: Live Zoom call for classrooms. <i>La vida secreta de los colibríes con Anusha Shankar</i>	2020
<b>Explorer classroom</b> through National Geographic: Live Zoom call for a series featuring <i>women in science and exploration</i>	2020
<b>Tri-Valley School</b> , 8 talks for grades 1-12. <i>Science at the equator and the North Pole;</i> and <i>Using data to learn: lessons from life at extremes</i> . Covered by the <a href="#">Daily News Miner</a>	2020
<b>HHMI Janelia Research Campus</b> , seminar. <i>Hummingbirds: A model for understanding sleep?</i>	2019
<b>National Geographic Education Summit</b> , <i>Lessons from animals at the extremes</i>	2019
<b>Life Sciences Seminar</b> , University of Alaska Fairbanks. <i>Field physiology and energetics: linking ecology and evolution in free-living hummingbirds</i>	2019
<b>National Geographic After Hours Museum talk</b> , Brightest Young Things event. <i>Data from animals, data from myself!</i>	2019
<b>American Ornithological Society</b> , Anchorage, AK. Mini-talk, <i>Early-professionals Symposium: Bringing field physiology to the tropics</i>	2019
<b>South Valley School's Explorer Day</b> 'Vamos explorar!' Virtual Speaker, with teacher <a href="#">Jennifer Chavez-Miller</a>	2019
<b>National Geographic Learning</b> Webinar speaker, Virtual Learning Series: National Geographic Explorers in the Classroom	2019
<b>Explorer classroom</b> through National Geographic: <a href="#">Live Youtube hangout</a> with seven school classrooms reaching over a 1000 students live	2019
<b>TEDx Chennai</b> , India. Talk, <i>What can hummingbirds teach us about time management?</i>	2019
<b>Stella Maris College</b> , Chennai, India. Talk, <i>An Indian ecologist in the forests of Ecuador (and how hummingbirds manage to exist)</i>	2019
<b>IISER Tirupati</b> , India. <i>Field physiology and energetics: linking ecology and evolution in free-living hummingbirds</i>	2019
<b>St. Joseph's College</b> , Bengaluru, India. <i>An Indian Ecologist in the cloud forests of Ecuador (and some of her findings on how hummingbird manage to exist)</i>	2018
<b>Ecology Students' Society: Indian Institute of Science</b> , Bengaluru, India. <i>Field physiology and energetics: linking hummingbird ecology and evolution</i>	2018
<b>Max Planck Institute for Ornithology, Radolfzell, Germany</b> . <i>Day and night: energy balance in hummingbirds</i>	2018
<b>Friends of the Long Pond Greenbelt, New York</b> . <i>Surprising secrets of sleeping hummingbirds</i>	2018

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<b>National Geographic Explorer's Festival</b> , Washington D.C. <i>Hummingbirds and Tequila</i>	2018
<b>Telluride Mountainfilm Festival</b> Telluride, CO. <i>Hummingbirds, energy, pee and infrared</i>	2018
<b>Explorer classroom</b> through National Geographic: <a href="#">Live Youtube hangout</a> with seven school classrooms reaching over a 1000 students live	2018
<b>National Geographic Family Day 2018</b>   Why Birds Matter Washington D.C. <i>The secret nightlife of hummingbirds</i>	2018
<b>Nat Geo Nights   Bird Nerd: For the Birds</b> Washington D.C. <i>The secret nightlife of hummingbirds</i>	2018
<b>SBU Natural History Club</b> Talk - I Know What You Did Last Summer Stony Brook, NY. <i>The secret nightlife of hummingbirds</i>	2017
<b>Virtual speaker:</b> Comparative animal physiology class, Pontificia Universidad Javeriana, Cali, Colombia. <i>Hummingbird energy management, and a career in Ecology</i>	2017
<b>Chief Guest, Valedictory speech:</b> Stella Maris College, Zoology Culturals 'Synapse', Chennai, India. <i>Turning failures into successes in a Zoology career</i>	2017
<b>Seminar speaker:</b> Swiss Federal Institute for Forest, Snow and Land WSL, Zurich, Switzerland. <i>On a shoe string: energy balance in hummingbirds</i>	2017
<b>School of Biology, Universidad del Azuay, Cuenca, Ecuador.</b> <i>Colibríes hipotérmicos y su presupuesto energético</i> (Spanish for: <i>Hypothermic hummingbirds and their energy budgets</i> )	2016
<b>Ecology Students' Society, Indian Institute of Science</b> , Bengaluru, India. <i>Hypothermic hummingbirds: an energy management story</i>	2016
<b>National Centre for Biological Sciences</b> , Bengaluru, India. <i>Hypothermic hummingbirds: an energy management story</i>	2016
<b>Guest lecture:</b> Chordate Zoology lecture, Stony Brook University. <i>The Biology of Birds</i>	2015
<b>Gordon Research Seminar: Unifying ecology across scales</b> , University of New England, Maine. <i>Field physiology: A key component in forecasting species distributions</i>	2014
<b>To high-school &amp; undergraduate students:</b> at Bala Vidya Mandir Senior Secondary School; Department of Zoology, Stella Maris College; and at Science Sense, Chennai	2010-12
<b><u>Conference Talks and Posters = 24</u></b>	
<b>Young Investigator's Meeting, India Bioscience, Ahmedabad, India</b> , Talk. <i>Cold endotherms: Integrating ecology, physiology and -omics in the tropics</i>	2023
<b>Young Investigator's Meeting, India Bioscience, Ahmedabad, India</b> , Poster. <i>Cold endotherms: Integrating ecology, physiology and -omics in the tropics</i>	2023
<b>Society for Integrative and Comparative Biology</b> , Austin TX. <b>Symposium Organiser and speaker:</b> <i>Daily torpor across and mammals: Recent progress and how do we advance the field?</i>	2023
<b>American Ornithological Society, Puerto Rico.</b> <i>Temperature, metabolism, and gene expression across metabolic states from normothermy to torpor in hummingbirds</i>	2022
<b>Society for Integrative and Comparative Biology</b> , Phoenix, AZ and Virtual. Talk <i>Temperature, metabolism, and gene expression across metabolic states from normothermy to torpor in hummingbirds</i>	2022
<b>Animal Behavior Society, Invited symposium talk</b> , Virtual. Symposium: Weaving the Future of Animal Behavior: Technological Advances to Reveal the Secret Lives of Animals. Talk: <i>Unveiling party animals: Thermal imaging and respirometry reveal animals' secret lives</i>	2021



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<b>American Ornithological Society</b> , Virtual. Talk: <i>A torpor spectrum in hummingbirds: can metabolism and body temperature be decoupled?</i>	2021
<b>Young Investigators' Meeting</b> . Postdoctoral Fellow Meeting Organized by India Bioscience. Talk: <i>Integrative organismal physiology, ecology, and -omics in the tropics</i>	2021
<b>Society for Integrative and Comparative Biology</b> , Virtual. Talk and session co-chair, <i>Energy budgets to explain allometry: lessons from flying ninja hummingbirds</i>	2021
<b>Society for Integrative and Comparative Biology</b> , Virtual. Poster, <i>A spectrum of sleep, shallow torpor, and deep torpor in hummingbirds</i>	2021
<b>North American Ornithological Conference</b> , Virtual. Talk and session chair, <i>From shallow to deep: A torpor spectrum in hummingbirds uncovered by thermal imaging</i>	2020
<b>Society for Integrative and Comparative Biology</b> , Austin, TX. Talk, <i>SAD rats: Effects of short photoperiod on sleep disruption, the gut microbiome, and carbohydrate consumption in diurnal grass rats</i>	2020
<b>American Ornithological Society</b> , Anchorage, AK. Talk and session chair, <i>From shallow to deep: A torpor spectrum in hummingbirds uncovered using thermal imaging</i>	2019
<b>Society for Light Treatment and Biological Rhythms</b> , Chicago, IL. Talk, <i>SAD rats: Effects of short photoperiod on sleep and carbohydrate consumption in diurnal grass rats</i>	2019
<b>American Physiological Society: Comparative Physiology</b> , New Orleans, LA. Talk, <i>Hummingbird daily energy expenditure allometry: Is bigger better?</i>	2018
<b>Society for Integrative and Comparative Biology</b> , San Francisco, CA. Talk and session co-chair, <i>From shallow to deep: A torpor spectrum in hummingbirds</i>	2018
<b>International Union for Physiological Sciences</b> . Rio de Janeiro, Brazil. Poster, <i>Activity has largest effect on daily energy expenditure in a sub-tropical hummingbird</i>	2017
<b>Evolution</b> , Portland, Oregon. Dávalos, L.M., <b>Shankar A.</b> , and Lauterbur ME. Talk, <i>The unnatural concept of extinction in species-area relationships and teaching conservation biology</i>	2017
<b>Society for Integrative and Comparative Biology</b> , New Orleans, LA. Talk, <i>Energy budgeting in a temperate hummingbird</i>	2017
<b>National Geographic, Washington D.C.</b> Talk, <i>Hummingbird energy management!</i>	2016
<b>North American Ornithological Conference</b> , Washington D.C. Talk, <i>Hypothermic hummingbirds - an energy management story</i>	2016
<b>Gordon Research Conference: Unifying ecology across scales</b> . University of New England, Maine. Poster, <i>Field physiology: A key component in forecasting species distributions</i>	2014
<b>International Biogeography Society. International Biogeography Society</b> 6th Biennial Meeting, <i>Frontiers of biogeography</i> 4:1, p. 174. <b>Shankar A.</b> et al. Poster, <i>The Malabar Pied Hornbill (Anthracoceros coronatus) nests near human habitations in highly fragmented landscapes in the Northern Western Ghats, India</i>	2013
<b>Students' Conference for Conservation Science (SCCS), Bangalore</b> . Talk, <i>Malabar Pied Hornbills nest in fragmented habitats in the Western ghats</i>	2011

**Mentees' Talks and Posters = 21**

# Anusha Shankar

\* Mentored students / presenters

- National Symposium on Avian Biology.** Poster. 2024  
Baruah P\*, **Shankar A.** *Understanding thermoregulation and the mechanistic bases of color diversity in high elevation sunbirds*
- American Ornithological Society.** Talk. 2023  
Wolfe SW\*, Blackwell ER\*, Prior NH, Powers DR, **Shankar A.** *Differential gene expression between torpor and normothermy in four brain regions in Calypte anna*
- Cornell CURBx.** Poster. 2023  
Wolfe SW\*, Blackwell ER\*, Prior NH, Powers DR, **Shankar A.** *Differential gene expression between torpor and normothermy in four brain regions in Calypte anna*
- Cornell CURBx.** Poster. 2023  
Erices ST\*, Guo GL, **Shankar A.** *A phylogenetic comparison of heterothermy in mammals*
- Cornell CURBx.** Poster. 2023  
Guo GL\*, Erices ST, **Shankar A.** *Avian torpor and heterothermy in phylogenetic and ecological contexts*
- Cornell CURBx 11th Semi-annual Research Conference.** Talk. 2023  
Wolfe SW\*, Blackwell ER, Prior NH, Powers DR, **Shankar A.** *Differential gene expression between torpor and normothermy in four brain regions in Calypte anna*
- Society for Integrative and Comparative Biology,** Phoenix, AZ. Talk. 2023  
Erices ST\*, Guo GL\*, **Shankar A.** *A phylogenetic comparison of heterothermy in mammals*
- Society for Integrative and Comparative Biology,** Phoenix, AZ. Talk. 2023  
Guo GL\*, Erices ST\*, **Shankar A.** *Avian torpor and heterothermy in phylogenetic and ecological contexts*
- Society for Integrative and Comparative Biology,** Phoenix, AZ. Poster. 2023  
Liang, S\*, Blackwell ER\*, Wolfe SW\*, Powers DR, **Shankar, A.** *Organ-specific differential gene expression across torpor and normothermy in Anna's hummingbirds*
- Society for Integrative and Comparative Biology,** Phoenix, AZ. Poster. 2023  
Blackwell ER\*, Liang S\*, Wolfe SW\*, Powers DR, **Shankar A.** *Surface body temperature as a proxy for metabolic rate during torpor in hummingbirds*
- Society for Integrative and Comparative Biology,** Phoenix, AZ. Poster. 2023  
Wolfe SW\*, Blackwell ER\*, Prior NH, Powers DR, **Shankar A.** *Differential gene expression between torpor and normothermy in four brain regions in Calypte anna*
- Society for Integrative and Comparative Biology,** Phoenix, AZ. Poster. 2022  
Blackwell ER\*, Powers DR, **Shankar A.** *Is surface body temperature a good indicator of metabolic state in hummingbirds during torpor?*
- Cornell Ecology and Evolutionary Biology Symposium.** Talk. 2023  
Wolfe SW\*, Blackwell ER\*, Prior NH, Powers DR, **Shankar A.** *Differential gene expression between torpor and normothermy in four brain regions in Calypte anna.*  
**Won Best undergraduate presentation award**
- Society for Integrative and Comparative Biology,** Austin, TX. Poster. 2020  
Callegari K\*, **Shankar A,** Seitz T, Drown D, Williams CT. *Effects of short photoperiod and carbohydrate consumption on the gut microbiome of diurnal grass rats*
- Society for Integrative and Comparative Biology,** Austin, TX. Poster. 2020  
McCahon SL\*, **Shankar A,** Williams CT.  
*Effects of short photoperiod on sleep and carbohydrate consumption in diurnal grass rats*
- Society for Integrative and Comparative Biology,** San Francisco, CA. Talk. 2018  
Eberts E\*, **Shankar A,** Morado M, Tattersall G, Welch K, Curley M, Auger P.  
*Using thermal imaging to detect torpor in nesting hummingbirds*

# Anusha Shankar

- Society for Integrative and Comparative Biology**, San Francisco, CA. Poster. 2018  
Cisneros INH\*, **Shankar A**, Powers DR.  
*Patterns of nighttime body-temperature regulation in hummingbirds*
- Reunión Ecuatoriana de Ornithología**, Zamora, Ecuador. Poster. 2016  
Córdova G\*, Urgilés G\*, Tinoco BA, **Shankar A**. *Ahorro energético nocturno en cuatro especies de colibríes en los Andes del austro Ecuatoriano*. (Spanish for: *Nocturnal energy savings in four hummingbird species of the southern Ecaudorian Andes*)
- Reunión Ecuatoriana de Ornithología**, Zamora, Ecuador. Poster. 2016  
Morales AC \*, **Shankar A**, Graham CH, Powers DR. *Costos de termorregulación de Heliangelus viola en los Andes sur del Ecuador* (Spanish for: *Thermoregulatory costs of Heliangelus viola in the Andes in the south of Ecuador*)
- Society for Integrative and Comparative Biology**, West Palm Beach, FL. Poster. 2015  
Schroeder RJ\*, **Shankar A**, Powers DR, Canepa JR\*, Graham CH. *Does high nighttime temperature reduce the energetic value of torpor in hummingbirds?*
- Society for Integrative and Comparative Biology**, West Palm Beach, FL. Poster. 2015  
Canepa JR\*, **Shankar A**, Powers DR, Schroeder RJ\*, Graham CH. *Changes in hummingbird daily energy expenditure along an elevational gradient*

## Science Communication & News

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- Interview for Scenic Hudson**, [Up close with New York's only resident hummingbird](#) May 5, 2023
- Interview on KZYX, Mendocino County Public Radio, California**, "The Ecology Hour" Sept 14, 2022
- Research covered by Finnish tech magazine**, [Tekniikan Maailma](#) Aug 14, 2022
- Interview by Times of India**, [Times Evoke](#) Apr 2, 2022
- Interview on Irish radio**, for the wildlife show [Mooney Goes Wild](#) on RTE Radio (32:09 to 53:00) Feb 6, 2022
- Media coverage** of JEB Heterothermy paper on [Inside JEB](#), [American Scientist](#), [Scientific American](#), [Audubon](#), [Earth.com](#), [Phys.org](#), [Science Daily](#), [ScienMag](#), [Cornell Chronicle](#) 2022
- Interview for ICB blog**, [Society for Integrative and Comparative Biology](#) Jan 18, 2022
- Co-author and chapter lead** on two chapters for a "[Constructive Visions](#)" Project website creating visions for a sustainable post-COVID future through stories, art and calls to action 2020-22
- National Geographic Learning** Contributed video, audio, and information for an education series that is went out for school curricula in North America in January 2023 2020-22
- Conservation Film [Walking the Pine Line](#)** co-produced, wrote, filmed, and edited a film on the threats facing White Bark Pines at the Jackson Wild Media Lab Oct 2021
- Cornell hummingbird webinar** covered in a local Pennsylvania newspaper article, with the [Sun Gazette](#) Aug 24, 2021
- Cornell K-12 Education interview [Women in STEM](#), [Dr. Anusha Shankar](#)** Feb, 2021
- Birds & Blooms Magazine** interview by Jill Staake Jan 15, 2021
- National Geographic Learning** series of six learning modules on biology and the life of an ecologist for beginner, intermediate and advanced English learners 2020-22
- Interview by high school student** Jack Rifkin from George Mason High school for Women's History Month Interview Series, about career paths Mar 24, 2021
- Interview by IISER\* Tirupati students** for their [annual magazine 'Dhwani'](#). (\*Indian Institute for Science Education and Research) Mar, 2021

# Anusha Shankar

<b>Panelist for IIT Madras research affairs</b> <a href="#">Instagram Live panel about career paths</a>	Mar 13, 2021
<b>Interviewed for children's news website</b> <a href="#">Owliver's Post</a> , on world wildlife day	Mar 3, 2021
<b>Discussion leader</b> for American Ornithological Society's Careers in Ornithology <a href="#">roundtable discussion</a>	Feb 2021
<b>Interviewed by K-12 Education, Cornell Lab of Ornithology</b> for a <a href="#">Women (of color) in STEM series</a>	Feb 9, 2021
<b>Columnist</b> , <i>Current Conservation</i> magazine	2021-current
<b>Podcast guest</b> , <i>Thriving on the Possibility</i> with Peg Keiner	Dec 1, 2020
<b>Video for second graders</b> , Ms. Corinne Wright, Mount Daniel Elementary School, VA	Nov 2020
<b>Interviewed for comment, by Science Magazine</b> <a href="#">To survive frigid nights, hummingbirds cool themselves to record-low temperatures</a>	Sep 8, 2020
<b>Interview by New Hampshire Public Radio</b> <a href="#">Ask Sam: Why Do Hummingbirds Fight Each Other?</a> and <a href="#">article</a>	Sep 4, 2020
<b>True Facts: The Hummingbird Warrior</b> <a href="#">Interviewed by Ze Frank</a>	Aug 14, 2020
<b>Children's Book with Pratham Storyweaver</b> Illustrated by Harjyot Khalsa. <a href="#">What do Sunbirds Eat All Day?</a>	Apr 23, 2020
<b>Video for ExplorerHome Madagascar</b>	Apr 15, 2020
<b>Blog article for Functional Ecologist</b> , accompanying paper in Functional Ecology	Aug 9, 2019
<b>Current Conservation Kids</b> A day in the life of: Anusha Shankar, Vol 13, Issue 1. <a href="#">Humming with Energy</a>	Mar 2019
<b>Current Conservation</b> Field notes, Vol 13, Issue 1. <a href="#">A city-girl field ecologist</a>	Mar 2019
<b>Video feature</b> , Kim Michaels' hummingbird documentary <a href="#">Nature's single mom: A hummingbird nest story</a>	Mar 2, 2019
<b>News article</b> , Mohammed Rayaana for NewsToday, Chennai <a href="#">Wildlife explorer, Anusha Shankar, shares nuggets about her birds research</a>	Mar 2, 2019
<b>Explorer-Educator partnership</b> through National Geographic: A year long partnership with <a href="#">Steve Kirsche</a> at a school near Jacksonville, Florida, to talk science to sixth graders	Nov 2018-2019
<b>Featured radio guest</b> , National Geographic Kids' <a href="#">Weird But True</a> radio show	Apr 27, 2018
<b>National Audubon Society</b> <a href="#">Why Anusha Shankar doesn't mind being the 'Hummingbird Pee Person'</a> . By Jayme Moye. Also feat. on <a href="#">Stony Brook News</a>	Apr 2, 2018
<b>Featured podcast guest</b> with <a href="#">IndSciComm</a> , <a href="#">A Soupçon of SciComm with Anusha Shankar on hummingbirds and energy budgets</a>	Mar 28, 2018
<b>Featured video</b> in the <a href="#">New York Times</a> and <a href="#">New York Times Science Take</a> of a hummingbird in and out of torpor	Mar 20, 2018
<b>Explorer-Educator partnership</b> through National Geographic: A year long partnership with <a href="#">Kate Craven</a> at a school in Ashford, Connecticut, to develop projects revolving around my science: grades 1-7	Oct 2017-2018
<b>Article</b> for <a href="#">Mental Floss</a> and featured answer on <a href="#">Quora</a>	Feb 2018
<b>Blog post</b> for <a href="#">National Geographic</a> and <a href="#">Science Outside</a>	Feb 2018

# Anusha Shankar

<b>Voiceover</b> for National Geographic Learning <i>Panorama</i> Video for Grade 1 "How do animals use their body parts?"	2017
<b>Co-founder</b> and contributor: <a href="#">Science Outside</a> , For field scientists to share their crazy, silly, fun stories with the world	2017-20
<b>Co-founder</b> and contributor: <a href="#">BrainChem &amp; Ecology</a> in collaboration with a Chemical Neurobiologist, to illustrate scientific concepts in simple graphics and videos for the public	2017-20
<b>"Today I Learned" series</b> for National Geographic <i>Hummingbirds Are the World's Hungriest Birds</i> . <a href="#">YouTube</a>	Oct 22, 2016
<b>News</b> <i>Youth for Tigers</i> . The Hindu NxG	Jan 5, 2011
<b>News</b> Pooja Sharma, <a href="#">Dainik Bhaskar</a> (in Hindi)	Dec 6, 2014
<b>News</b> Anusha Parthasarathy, <a href="#">On the Wild Side</a> , The Hindu Education Plus	October 6, 2014

## Teaching (Semesters = 9; Students ≈ 570)

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Teaching Assistant, <b>Conservation Biology</b> (BIO 336), SBU (Active learning)	Fall 2016/17/18
Head Teaching Assistant, <b>Chordate Zoology</b> (BIO 344), SBU	Spring 2015/16
Teaching Assistant, <b>Ecology Lab</b> (BIO 352), SBU	Fall 2014
Teaching Assistant, <b>Chordate Zoology Lab</b> (BIO 344), SBU	Spring 2013/14/16
Teaching Assistant, <b>Fundamentals of Scientific Inquiry in the Biological Sciences I</b> (BIO 204), SBU	Fall 2012

## Additional Experience

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<b>Communicating Across Difference</b> research study, involving two workshops on mentoring style, and making a scicomm video with mentee Sophia Wolfe	2023
<b>1-year Postdoctoral Leadership Certificate Program</b> , Cornell University	2021
<b>Workshop</b> , RNA-seq data analysis, Cornell University Institute of Biotechnology	2020
<b>Workshop</b> , Microbiome bioinformatics with QIIME 2	2020
<b>Workshop</b> , Sequence alignment, clustering, and phylogenetic analysis. Cornell University Institute of Biotechnology	2020
<b>Workshop</b> , Functional Ecology Genomics, Lacawac Sanctuary, Philadelphia	2017
<b>Volunteer</b> , International Biogeography Society 6th Biennial Meeting, Miami, FL	2013
<b>Workshop</b> on rescue and relocation of snakes conducted by Gowri Shankar of the Agumbe Rainforest Research Station and Snake Shyam, Mysore, India	2012
<b>Workshop</b> on basic remote sensing and GIS with a focus on conservation planning, conducted by FERAL, supported by an ATREE-CEPF small grant	2012
<b>Workshop</b> on wetland bird survey and mark-recapture, by Bombay Natural History Society at Point Calimere, India	2011
<b>India's Youth Tiger Ambassador</b> , one of two selected by WWF-India to represent the country at the Youth Tiger Summit held in Vladivostok, Russia	2010

# Anusha Shankar

## Diversity, Equity, and Inclusion: Actions and Service

<b>Trainee Executive Committee</b> , <a href="#">Center for Vertebrate Genomics</a> , Cornell University. Initiated and planned the Center's first cross-departmental mentoring program	2021-22
<b>Graduate Admissions Committee</b> Ecology and Evolutionary Biology department, Cornell University	2022-23
<b>Departmental Trainings working group</b> , DEIJB (Diversity, Equity, Inclusion, Justice and Belonging, Ecology and Evolutionary Biology department, Cornell University	2022-23
<b>Hiring Practices working group</b> , DEIJB (Diversity, Equity, Inclusion, Justice and Belonging) Ecology and Evolutionary Biology department, Cornell University. Resulted in two faculty job offers to two women of color and a detailed welcome guide for new department members	2020-21
<b>Founder</b> , Departmental mentoring program for & by graduate students, Stony Brook University	2016-18
<b>Founder</b> , cross-departmental Silent Writing group, Stony Brook University	2017
<b>Attendee</b> , Women in Science and Engineering (WISE) Leadership and Career course	2018
<b>Vice President</b> , Graduate Women in Science and Engineering (GWISE), Stony Brook University	2017-18

## Students officially mentored (Total = 23)

<b>Padmanav Baruah</b> , Junior Research Fellow, TIFRH	Nov 2023 - current
<b>Grace Li Guo</b> , Undergraduate student, Cornell University	Feb 2022 - May 2023
<b>Santi Tabares Ericces</b> , Undergraduate student, Cornell University	Feb 2022 - May 2023
<b>Shenni Liang</b> , Undergraduate student, Cornell University	Feb 2022 - current
<b>Sophia Wolfe</b> , Undergraduate student, Cornell University	Sep 2021 - current
<b>Emily Blackwell</b> , Undergraduate Richter Scholar, George Fox University	Jun 2021 - current
<b>Whitney Dobbyn</b> , Undergraduate Richter Scholar, George Fox University	Jun 2021 - Aug 2022
<b>Shelby McCahon</b> , Lab assistant & BLAST Scholar, Univ of Alaska, Fairbanks	Feb 2019 - May 2020
<b>Kyle Callegari</b> , Lab assistant & BLAST Scholar, Univ of Alaska, Fairbanks	Feb 2019 - May 2020
<b>Erich Eberts</b> , Field assistant, now: PhD, Univ Toronto at Scarborough	Dec 2015 - 2022
<b>Rebecca Schroeder</b> , Field assistant, now in the US National Park Service	Jun 2014 - 2017
<b>Sarah Thompson</b> , Undergraduate Richter Scholar, George Fox University	Jun - Aug 2018
<b>Alexis Stark</b> , Undergraduate student, Northern Arizona University	May - Jun 2018
<b>Isabelle Cisneros</b> , Undergraduate student, George Fox University	Jun - Aug 2017
<b>Ana Morales</b> , Head field assistant, now: M.Sc. at McGill University, Canada	Oct 2015 - Oct 2016
<b>Gabriela Cordova</b> , Universidad del Azuay, Internship & Bachelor's thesis	Aug 2015 - Oct 2016
<b>Gabriela Urgiles</b> , Universidad del Azuay, Internship & Bachelor's thesis	Nov 2015 - Oct 2016
<b>Rosalee Elting</b> , Field assistant, George Fox University	Sept - Oct 2016
<b>Julisa Ricart</b> , Field assistant, University of Wisconsin-Madison	Jul 2015 - Jan 2016
<b>Amanda Quezada</b> , Universidad del Azuay, Pasantias (internship) project	Aug - Sept 2015
<b>Joshua van Bourg</b> , Field assistant, University of California Berkeley	Sept - Dec 2015
<b>Pedro Jose Machado Tapia</b> , Field assistant, Universidad del Azuay	Jun - Sept 2015
<b>Joseph Canepa</b> , Undergraduate Richter Scholar, George Fox University	Jun - Aug 2014

# Anusha Shankar

## Other Skills

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LaTeX, GPS, ArcGIS, qGIS, small mammal lab maintenance, Radio-telemetry of snakes, photography; handling people, birds, arachnids, reptiles; mist-netting. Science communication, mentoring, active learning methods; coding in R, MCMCglmm, mentoring. **Lab work:** DNA extraction, RNA extraction, cryostat, liver histology and image analyses. CPR (and AED) certified (May 2017). **Fieldwork and team management** (12 months in Ecuador)- led a team of 11 field assistants; over 12 months in India; 5 months in the US. **With birds:** field respirometry, doubly labeled water, stable isotope micro-distillation, plant resource measurements, transects, point counts. **With Nile grass rats:** Piezosleep data collection and analyses, actogram analyses, lab maintenance, iPrecio pump (continuous drug infusion) implantation, programming, maintenance. **With birds and Nile grass rats:** Euthanasia, dissections, tissue extractions, gut microbiome collection and analysis

**Languages:** British and American English, Tamil, Hindi, conversational Spanish, some Malayalam; Also, the skill and interest to learn new skills and languages quickly

## Professional Service

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**Society Member** - Society for Integrative and Comparative Biology (SICB), American Physiological Society, British Ecological Society, American Ornithological Society, Graduate Women in Science

**Journal Reviewer**- Total paper peer reviews: 18. For details, please see my [Web of Science profile](#)

**Judge**, Jackson Wild Film Festival, *Nature and People* category and *Micro-film* category 2023

**Graduate Student Admissions committee**, Cornell Ecology and Evolutionary Biology 2023

**Symposium Organizer, Daily Torpor**, SICB 2023

**Selection committee for Huey awards**, SICB 2022

**Award committee for Dorothy Skinner award**, SICB 2022

**Mentor**, Broadening Participation program, SICB 2022

**Postdoctoral representative**, Division of Ecology and Evolution, SICB 2021-23

**Student/Postdoctoral Affairs Committee member** for SICB 2021-22

**Search committee member** and postdoctoral representative, Rose Postdoctoral Fellowships, Cornell Lab of Ornithology 2021

**Mentor**, North American Ornithological Conference student-mentor meetup 2020

**Selection Committee**, Distinguished Travel Award committee, Graduate Student Organization, Stony Brook University 2017

**Judge**, 5th Annual Nassau County Science Competition 2017

**Event manager and Newsletter writer**, GWISE, Stony Brook University 2016-17

**Student representative to the Faculty**, Ecology & Evolution, Stony Brook University 2016-17

**Science Educator** with Grads for Education and Outreach (GEO) 2016

**Treasurer** of the Ecology Club, Stony Brook University 2013-14

**Departmental representative** to the RA union Stony Brook University 2013-14

**Senator**, Graduate Student Organization, Stony Brook University 2013-15

**Executive Officer**, Freewheel Collective (helping students learn how to repair their own bicycles), Stony Brook University 2014-18