



<b>Rufford Small Grants for Nature Conservation</b>	2016
"BatCode: Integrating education and biodiversity research through DNA barcoding in bats across Southeast Asia."	
<b>National Institutes of Health R21:</b> AI105050, PI: David J. Lohman and Vijaykrishna Dhanasekaran (Designed and written by Susan M. Tsang and Ian H. Mendenhall).	2013 – 2015
"Diversity and dispersal routes of bat-borne paramyxoviruses in densely populated tropical Asia."	
<b>Luis F. Bacardi Bat Conservation Award</b> , North American Society for Bat Research	2014
<b>National Geographic Society Young Explorers Grant, Committee for Research and Exploration</b>	2013
"Phylogeography of flying foxes in the Moluccas, Indonesia."	
<b>Southeast Asian Gateway Evolution 2013 Student Travel Grant</b>	2013
<b>Fulbright Student Research Fellowship (Indonesia)</b> , American-Indonesian Exchange Foundation, hosted by Center for Biodiversity Strategies, University of Indonesia (UI) and Museum Zoologicum Bogoriense, Indonesian Institute of Sciences (LIPI)	2012 – 2013
<b>Lewis and Clark Field Scholar</b> , Exploration Fund, American Philosophical Society.	2012
"Phylogeography of <i>Pteropus</i> bats in Southeast Asia, with a focus on the Philippines archipelago."	
<b>CUNY Graduate Center Presidential Research Fund for Ph.D. Students Travel Grant</b>	2011
<b>NSF East Asia Pacific Summer Institute (Singapore) Graduate Fellowship</b> , Meier Laboratory, Department of Biological Sciences, National University of Singapore	2011
<b>NSF Science Now GK-12 Graduate Teaching Fellowship</b> , CUNY Graduate Center & S.T.A.R. Early College School at Erasmus, Brooklyn	2010 – 2011
<b>CUNY Science Scholarship</b> , CUNY Graduate Center	2009 – 2015
<b>Jonathan Lindley Harris '76 Endowed Scholarship</b> , Skidmore College	2005 – 2009
<b>Periclean Honor Society</b> , elected member, Skidmore College	2007

**PEER-REVIEWED PUBLICATIONS** († denotes student advised by me)

- Tsang, S.M.**, S. Wiantoro, M.J. Veluz, N. Sugita, N.B. Simmons, & D.J. Lohman. 2020. Dispersal is a significant biogeographic mechanism in *Pteropus* in the Indo-Australian Archipelago. *Journal of Biogeography* 47: 527-537. (Featured Cover)
- Tsang, S.M.** and S. Wiantoro. 2019. Indonesian flying foxes: Research and conservation status update. *Treubia* 46: 103-113.
- Sheherazade†, H. Ober, **S.M. Tsang**. 2019. Durian depends on bats for pollination in Sulawesi, Indonesia. *Biotropica* 51: 913-922.
- Tsang, S.M.** 2019. In The Handbook of Mammals Vol. 9: Bats. Lynx Edicions. Don E. Wilson and Russell Mittermeier, Eds. (invited species accounts).  
*Acerodon celebensis, Acerodon humilis, Acerodon jubatus, Acerodon leucotis, Acerodon mackloti, Pteropus alecto, Pteropus aruensis, Pteropus caniceps, Pteropus chrysoproctus, Pteropus conspicillatus, Pteropus griseus, Pteropus hypomelanus, Pteropus keyensis, Pteropus lombocensis, Pteropus melanopogon, Pteropus ocellaris, Pteropus poliocephalus, Pteropus scapulatus, Pteropus speciosus, Pteropus temminckii, Pteropus vampyrus*
- Sheherazade† and **S.M. Tsang**. 2018. Discovery of the first *Pteropus griseus* roost in Indonesia and records of a new hunting threat. *Diversity*, 10(3), 102.
- Tsang, S.M.**, S. Wiantoro, M.J. Veluz, N.B. Simmons, & D.J. Lohman. 2018. Low levels of population structure among geographically distant populations of *Pteropus vampyrus* (Chiroptera: Pteropodidae). *Acta Chiropterologica*, 20(1): 59-70.
- Geneva, A.J., A.M. Kreit, S. Neiffer, **S. Tsang**, R.J. Horwitz. 2018. Regional population structure of extant

and extirpated populations of the Bridle Shiner (*Notropis bifrenatus*), using museum and recent specimens, *Conservation Genetics*. 19: 1039-1053.

- Sheherazade†, Yasman, D.H. Pradana, & **S.M. Tsang**. 2017. The role of fruit bats in plant community changes in an urban forest in Indonesia. *Raffles Bulletin of Zoology*, 65: 394-402.
- Tsang, S.M.**, A.L. Ciranello, P.J.J. Bates, & N.B. Simmons. 2016. The roles of taxonomy and systematics in conservation. In *Bats in the Anthropocene: Conservation of Bats in a Changing World*. (ed. by T. Kingston & C. Voigt). Springer. 503 – 538. Invited book chapter (refereed).
- Tsang, S.M.**, S. Wiantoro, & N.B. Simmons. 2015. New records of near-endemic flying foxes (Chiroptera *Pteropus* sp.) from Seram, Indonesia, with notes on ecology and conservation status. *American Museum Novitates* 3842: 1-23.
- Sheherazade† and **S.M. Tsang**. 2015. Quantifying the bat bushmeat trade in North Sulawesi, Indonesia, with suggestions for conservation action. *Global Ecology and Conservation* 3: 324-330.
- Barrowclough, G.F., J.G. Groth, J.E. Lai, & **S.M. Tsang**. 2014. The phylogenetic relationships of the endemic genera of Australo-Papuan hawks. *Journal of Raptor Research* 48(1): 36-43.
- Freeman-Gallant, C.R., C.C. Taff, D.F. Morin, P.O. Dunn, P.O., L.A. Whittingham, & **S.M. Tsang**. 2010. Sexual selection, multiple male ornaments and age- and condition-dependent signaling in the common yellowthroat. *Evolution* 64(4): 1007 – 1017.

IUCN Red List Assessments (2016)

*Acerodon celebensis*, *Cynopterus titthaechelus*, *Dobsonia moluccensis*, *Dobsonia viridis*, *Neopteryx frosti*, *Nyctimene cephalotes*, *Pteropus alecto*, *Pteropus aruensis*, *Pteropus caniceps*, *Pteropus chrysoproctus*, *Pteropus keyensis*, *Pteropus lombocensis*, *Pteropus melanopogon*, *Pteropus ocularis*, *Pteropus personatus*, *Pteropus temminckii*

IUCN Red List Assessments (2019)

*Rousettus amplexicaudatus*

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## OTHER PUBLICATIONS

- Tsang, S.M.** (in press) Invited Commentary. A social network approach to detect parallel wildlife trafficking: A novel tool, with potential limitations in a closed, specialist system. *Animal Conservation*.
- Lohman, D.J. and **S.M. Tsang**. 2014. Book Review: Biogeography of Australasia: A Molecular Analysis (Heads, M.). A manifesto of panbiogeography: Australasian edition. *Frontiers in Biogeography* 6(4): 191-193.
- Ang, A. and **Tsang, S.M.** 2013. Op-ed Essay. Carnegie Council for Ethics in International Affairs. Available at: [<https://www.globalethicsnetwork.org/profiles/blogs/bioethical-challenges-and-progress-in-singapore-and-the-united>].

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## INVITED TALKS

2020

**Tsang, S.M.** Flying fox evolution as a model for eco-evolutionary dynamics in a changing planet. University College Dublin, School of Biology and Environmental Science, Dublin, Ireland. (postponed due to CoVID-19)

2019

- Tsang, S.M.** The evolution of Southeast Asian flying foxes and its implications for conservation and disease ecology. Northern Arizona University, School of Forestry, Spring Seminar Series, Flagstaff, AZ.
- Tsang, S.M.** The evolution of Southeast Asian flying foxes and its implications for conservation and disease ecology. Skidmore College, Department of Biology, "Parasitology, Epidemiology, and Public Health" Seminar, Saratoga Springs, NY.
- Tsang, S.M.** Wildlife trafficking in Southeast Asia. Skidmore College, Department of Biology,

“Communication in Life Sciences” Seminar, Saratoga Springs, NY.

#### 2018

**Tsang S.M.** Wildlife trafficking in Southeast Asia. Tropical Ecology and Conservation Virtual Seminar, Khao Ban Thad Wildlife Sanctuary, Trang, Thailand.

**Tsang, S.M.** Bats as bushmeat in Sulawesi, Indonesia: A policy perspective on building community outreach initiatives based on a novel understanding of who, what, and why. 1<sup>st</sup> Annual Bat One Health Research Network (BOHRN) Workshop, Vienna, Austria.

**Tsang, S.M.** The evolution of Southeast Asian flying foxes and its implications for conservation and disease ecology. East Stroudsburg University, Department of Biological Sciences BioColloquium, East Stroudsburg, PA.

#### 2017

**Tsang, S.M. & E.J. Rollinson.** Improving geographic range estimates for island endemics. Special Symposium on Conservation Biology of Indo-Pacific Bats, 47<sup>th</sup> Annual Symposium of the North American Society for Bat Research, Knoxville, TN.

#### 2016

**Tsang, S.M.** Flying fox hunting: A window to insights and future directions on combating illegal wildlife trade in Southeast Asia. SCBI Seminar Series, National Zoological Park, Smithsonian Institution, Washington, DC.

**Tsang, S.M. & Sheherazade†.** Flying foxes as bushmeat in Sulawesi, Indonesia: Building community outreach initiatives based on novel understanding of who, what, and why. Special Symposium on Hunting, 17<sup>th</sup> International Bat Research Conference, Durban, South Africa.

**Tsang, S.M.** Biogeography and conservation of Southeast Asia flying foxes (Chiroptera: Pteropodidae: *Pteropus*). Departmental seminar, Division of Mammals, National Museum of Natural History, Smithsonian Institution, Washington, DC.

#### 2014

**Tsang, S.M.** The importance of taxonomy to conservation; Flying fox monitoring protocol review: PPE & disease. Taxonomy & Systematics Symposium, Southeast Asian Bat Conservation Research Unit Network Gap Workshop, Mandalay, Myanmar.

#### 2012

**Tsang, S.M.** *Pteropus* bats in Indonesia. Invited departmental seminar, Center for Biodiversity Strategies, Universitas Indonesia, Depok, Indonesia.

**Tsang, S.M.** The importance of taxonomy to conservation. Taxonomy & Systematics Symposium, Southeast Asian Bat Conservation Research Unit Experts Workshop and International Conference, Hat Yai, Thailand.

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### INVITED PLENARIES

#### 2020

**Tsang, S.M.** Flying fox hunting and trafficking: Opportunities for mitigating threats and challenges that lay ahead. 6<sup>th</sup> International Berlin Bat Meeting, Berlin, Germany. {postponed due to CoVID-19}

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### POSTERS AND OTHER PRESENTATIONS

(† denotes student)

#### 2019

**Tsang, S.M.,\* S. E. Harris,\* V.D. Thong.** Real-time sequencing of *Pteropus hypomelanus* in Vietnam to generate genomic resources and build scientific capacity (Poster). 49<sup>th</sup> Annual North American Society for Bat Research, Kalamazoo, MI. (\*joint first authors)

Van Weerd, M., W.L. Bukit, S.L. Paz, P.A. Paz, Sheherazade, **S.M. Tsang**, T. Kingston. Drivers of flying fox hunting in Southeast Asia. 49<sup>th</sup> Annual North American Society for Bat Research, Kalamazoo, MI.

**Tsang, S.M.**, S. Wiantoro, M.X. Venkatraman, L.D. Parker, S. Castañeda Rico, J. Maldonado. Is the Balinese subspecies of *Pteropus vampyrus* still *P. v. pluton*? 18<sup>th</sup> International Bat Research Conference, Phuket, Thailand.

Anasari, S.D.†, A. A. Lanusi, Z. H. Matorang, Sheherazade, and **S.M. Tsang**. Establishing community-based conservation to protect flying foxes in Sulawesi, Indonesia (Poster). 18<sup>th</sup> International Bat Research Conference, Phuket, Thailand.

## 2018

**Tsang, S.M.**, S. Wiantoro, M.J. Veluz, M.X. Venkatraman, L.D. Parker, S. Castañeda Rico, J. Maldonado. Phylogenomics of the *Pteropus hypomelanus* species complex in archipelagic Southeast Asia. 48<sup>th</sup> Annual North American Society for Bat Research, Puerto Vallarta, Mexico.

Kingston, T., Sheherazade†, M. van Weerd, **S.M. Tsang**. Drivers of human behaviors: The theory of planned behavior and flying fox hunting in Southeast Asia. 48<sup>th</sup> Annual North American Society for Bat Research, Puerto Vallarta, Mexico.

**Tsang, S.M.**, S. Wiantoro, M.J. Veluz, M.X. Venkatraman, L.D. Parker, S. Castañeda Rico, J. Maldonado. Phylogenomics of the *Pteropus hypomelanus* species complex in archipelagic Southeast Asia. 4<sup>th</sup> International Southeast Asian Bat Conference, Bacolod, Philippines.

Sheherazade†, H. Ober, **S.M. Tsang**. Ecosystem services of flying foxes in Sulawesi, Indonesia. 4<sup>th</sup> International Southeast Asian Bat Conference, Bacolod, Philippines.

- Sheherazade won Grand Prize for “Best Student Oral Presentation”

Khan, F.A.A., P. Soisook, **S.M. Tsang**, V.D. Thong, S. Wiantoro, S.S.L. Oo, UNIMAS Mammalian Research Team, M.R.A. Rahman, R.C.T. Tingga, I. Azhar, J.V. Kumaran, M.T. Abdullah. Importance of natural history collections for taxonomy: Case study of the Universiti Malaysian Sarawak Collection. 4<sup>th</sup> International Southeast Asian Bat Conference, Bacolod, Philippines.

Veluz, M.J., **S.M. Tsang**, A.M. Domingo. Bridging the past and the present: Modernizing the Philippine National Museum of Natural History (Poster). 4<sup>th</sup> International Southeast Asian Bat Conference, Bacolod, Philippines.

Sheherazade†, H. Ober, **S.M. Tsang**. Big roles from big bats! From the world’s smelliest fruit to the lush forests of Indonesia. 55<sup>th</sup> Annual Meeting of the Association for Tropical Biology and Conservation (ATBC), Kuching, Malaysia.

## 2017

**Tsang, S.M.** Addressing research gaps in island-endemic Southeast Asian flying foxes using advances in movement ecology research. 1<sup>st</sup> ICARUS User Workshop, Konzil Konstanz, Germany.

**Tsang, S.M.** & E.J. Rollinson. Improving geographic range estimates for island endemics. 3<sup>rd</sup> Southeast Asian Gateway Evolution Meeting, Bogor, Indonesia.

## 2016

**Tsang, S.M.**, S. Wiantoro, M.J. Veluz, N. Simmons, D.J. Lohman. High levels of inferred gene flow among geographically distant populations of *Pteropus vampyrus* (Chiroptera: Pteropodidae) (Poster). 46<sup>th</sup> Annual Symposium of the North American Society for Bat Research, San Antonio, TX.

**Tsang, S.M.**, S. Wiantoro, M.J. Veluz, N. Simmons, D.J. Lohman. High levels of inferred gene flow among geographically distant populations of *Pteropus vampyrus* (Chiroptera: Pteropodidae) and its implications for conservation. Conservation Asia 2016, Singapore.

Sheherazade† & **S.M. Tsang**. Designing a flying fox outreach program: A case study of threatened species of threatened species from Sulawesi, Indonesia. Conservation Asia 2016, Singapore.

Lohman, D.J., C.-H. Wei, D. Scott, Djunijanti P., K. Kunte, T. Doleck, E. Yang, **S. Tsang**, C. Müller, A. Brownjohn, S.-H. Yen. Adaptive radiation of Batesian mimetic butterflies across a tropical

archipelago. Evolution 2016, Austin, TX.

#### 2015

Lohman, D.J., C.-H. Wei, D. Scott, Djunijanti P., K. Kunte, T. Doleck, E. Yang, **S. Tsang**, C. Müller, A. Brownjohn, S.-H. Yen. Adaptive radiation of Batesian mimetic butterflies across a tropical archipelago. Annual Meeting of the Entomological Society of America, Minneapolis, MN.

**Tsang, S.M.**, S. Wiantoro, M.J. Veluz, N. Sugita, N. Simmons, D. Lohman. Dispersal spurs diversification of *Pteropus* flying foxes across the Indo-Australian Archipelago. 45<sup>th</sup> Annual Symposium of the North American Society for Bat Research, Monterey, CA.

**Tsang, S.M.**, S. Wiantoro, M.J. Veluz, N. Sugita, N. Simmons, D. Lohman. Dispersal is a significant biogeographic mechanism in *Pteropus* in the Indo-Australian Archipelago. 3<sup>rd</sup> International Southeast Asian Bat Conference, Kuching, Malaysia.

Sheherazade†, **S.M. Tsang**, Yasman, Dimas Haryo Pradana. The role of fruit bats in plant community changes in an urban forest in West Java, Indonesia. 3<sup>rd</sup> International Southeast Asian Bat Conference, Kuching, Malaysia.

- Sheherazade† won Grand Prize for “Best Student Oral Presentation”

**Tsang, S.M.** & S.E. Harris. BatCode: Integrating education and biodiversity research through DNA barcoding in bats across Southeast Asia (Poster). 3<sup>rd</sup> International Southeast Asian Bat Conference, Kuching, Malaysia.

#### 2014

**Tsang, S.**, S. Wiantoro, M.J. Veluz, N. Sugita, N. Simmons, D. Lohman. Molecular phylogeny of the genus *Pteropus* and its biogeographic implications. 44<sup>th</sup> Annual Symposium of the North American Society for Bat Research, Albany, NY.

- Won “Luis F. Bacardi Bat Conservation Award” (for platform paper on plant-visiting bats)

Doleck, T., Djunijanti P., K. Kunte, **S.M. Tsang**, A. Brownjohn, D.J. Lohman. Out of Africa and back again: The biogeography of *Melanitis* butterflies (Nymphalidae: Satyrinae) (Poster). 7<sup>th</sup> International Conference on the Biology of Butterflies, Turku, Finland.

#### 2013

Nguyen, Y-L.†, **S.M. Tsang**, D.J. Lohman. Population genetics of *Pteropus alecto* and its implications for disease ecology (Poster). City College Academy for Professional Preparation Annual Poster Presentation, City College of New York, New York, NY.

Barrowclough, G.F., J.G. Groth, J.E. Lai, & **S.M. Tsang**. The phylogenetic relationships of the endemic genera of Australo-Papuan hawks. 131<sup>st</sup> Stated Meeting of the American Ornithologists’ Union & 83<sup>rd</sup> Annual Meeting of the Cooper Ornithological Society, Chicago, IL.

**Tsang, S.M.** & Sheherazade†. Integration of local culture in flying fox conservation strategies in North Sulawesi, Indonesia: A preliminary framework. 16<sup>th</sup> International Bat Research Conference & 43<sup>rd</sup> North American Symposium on Bat Research, San José, Costa Rica.

**Tsang, S.M.**, S. Wiantoro, N.B. Simmons, D.J. Lohman. Preliminary multilocus phylogeographic assessment of *Pteropus* bats in Southeast Asia (Poster). 2<sup>nd</sup> Southeast Asian Gateway Evolution Meeting, Berlin, Germany.

Sheherazade† & **S.M. Tsang**. Bats as bushmeat in North Sulawesi and a preliminary conservation framework (Poster). 50<sup>th</sup> Annual Meeting of the Association for Tropical Biology and Conservation, Asia-Pacific Chapter, Banda Aceh, Indonesia.

#### 2011

**Tsang, S.M.** Amplification of novel nuclear genes from fecal samples of Paleotropical fruit bats. 41<sup>st</sup> Annual Symposium of the North American Society for Bat Research, Toronto, ON.

#### 2010

**Tsang, S.M.**, M. Hickerson, C. Burney, J. McCormack, R. Brumfield. Comparative phylogeographic inference from 64 taxon pairs of Neotropical birds using ABC. Evolution 2010, Portland, OR.

Velazco, P.M., N.B. Simmons, P. Smith, **S. Tsang**, L.M. Dávalos. Combined analyses of extant and fossil “phyllostomine” bats (Chiroptera, Phyllostomidae). 90<sup>th</sup> Annual Meeting of the American Society of Mammalogists, Laramie, WY.

#### 2009

Horwitz, R., A. Geneva, **S. Tsang**, S. Moser, D. Keller, P. Overbeck. Regional and local population structure of *Notropis bifrenatus* (Cyprinidae) from extirpated and extant populations, using museum and recent specimens. 139<sup>th</sup> Annual Meeting of the American Fisheries Society, Nashville, TN.

#### 2008

**Tsang, S.**, R. Horwitz, A. Geneva. Distribution, population structure, and molecular genetics of the bridle shiner (Poster). Sigma Xi Annual Meeting & Student Research Conference, Washington, D.C.

- Won “Superior Presentation Award – Ecology and Evolution.”

**Tsang, S.** & C.R. Freeman-Gallant. Sexual selection on multiple plumage traits in the common yellowthroat (Poster). Academic Festival, Skidmore College, Saratoga Springs, NY.

Rollinson, E.J., **S. Tsang**, J. Ness. Plant apparency and vulnerability to herbivory (Poster). Northeast Natural History Conference X, New York State Museum, Albany, NY.

#### 2006

**Tsang, S.**, J.J. Flynn, C.M. Ingram. Phylogeny of mammalian order Carnivora through combined genetic assays. 18<sup>th</sup> Annual Research Experience for Undergraduates Symposium, American Museum of Natural History, New York, NY.

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### LEADERSHIP & SERVICE ACTIVITIES

<b>IUCN Global Bat Taxonomy Working Group</b>	2018 –
<b>Mentor, Steering Committee</b> , Tambora - Young Indonesian Conservationist Network	2015 –
<b>Steering Committee Member, Taxonomy and Systematics Working Group</b> , Southeast Asian Bat Conservation Research Union (SEABCRU), NSF-funded RCN	2011 –
<b>Mentor</b> , Zero Hunger Dream Hub, Teens Dream Co Lab & Conservation Commons, Smithsonian Institution	2018 – 2019
<b>Academic Director</b> , 4 <sup>th</sup> International Southeast Asian Bat Conference, Bacolod, Philippines	2018
<b>Member</b> , Citizen Science Affinity Group, AAAS Science and Technology Policy Fellows	2017 – 2018
<ul style="list-style-type: none"><li>• Co-lead, Planning Committee for full-day symposium “Community-Driven Citizen Science for Health and the Environment”</li></ul>	
<b>Co-Chair</b> , Biodiversity Affinity Group, AAAS Science and Technology Policy Fellows	2016 – 2018
<ul style="list-style-type: none"><li>• Co-lead, Planning Committee for full-day symposium “Ecosystem Services: From Concept to Policy”</li></ul>	
<b>Co-Chair</b> , Mentoring Affinity Group, AAAS Science and Technology Policy Fellows	2016 – 2017
<ul style="list-style-type: none"><li>• Organizer, monthly Signature Speaker Series, workshops, and half-day symposium (Fellows to Feds; Unusual Places for STEM Ph.Ds; Political Savvy Symposium: Networking in DC; A Lifetime of Mentoring and its Role in Leadership Development; Political Machine! What does a Policy Advisor Do?; Get Hired Now!; Branding and Promoting Your Subject Matter Expertise)</li></ul>	
<b>Member</b> , Diversity, Equity, and Inclusion Affinity Group, AAAS Science and Technology Policy Fellows	2016 – 2018
<ul style="list-style-type: none"><li>• Organizer and moderator, “Diversity in the STEM Workforce” Panel</li></ul>	
<b>Scientific Screener</b> , AAAS, Kavli Science Journalism Award	2017 – 2019
<b>Research Director</b> , BatCode Initiative – Biodiversity and Conservation Barcoding of Southeast	2016 – 2018

Asian Bats	
<b>Peer Mentor</b> , Mentoring Session for First-Year Doctoral Students, CUNY Graduate Center	2014
<b>Scientific Review Committee Member and Judge</b> , New York City Science and Engineering Fair (NYCSEF)	2011 – 2012, 2015
<b>Peer Mentor</b> , First-Year Experience, Skidmore College	2007 – 2008
<b>Public Relations Officer</b> , Asian Cultural Awareness, Skidmore College	2006 – 2007

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## TEACHING EXPERIENCE

<b>Workshop Leader</b> , BatCode workshop – Biodiversity and Conservation Barcoding of Southeast Asian Bats	2016
<b>Visiting Researcher</b> , Center for Biodiversity Strategies, UI, Depok, Indonesia	2012 – 2013,
Special Seminar in Basic R, Grantsmanship for Young Biologists Seminar, Professional Development seminar series	2016
<b>Adjunct Lecturer &amp; Graduate Assistant</b> , Department of Biology, City College of New York—CUNY, New York, NY	2011 – 2012
BI101 (Foundations of Biology I), BI228 (Ecology & Evolution)	
<b>Teaching Assistant</b> , Biology Department, Skidmore College, Saratoga Springs, NY	2008 – 2009
BI105 (Biological Sciences I)	
<b>Peer Tutor</b> , Skidmore College, Saratoga Springs, NY	2007 – 2009
BI105/106 (Biological Sciences I & II); BI244 (Comparative Vertebrate Physiology); PS217 (Statistical Methods in Psychology); FJ101/102/203 (Elementary & Intermediate Japanese); GE102 (History of Life and Earth)	

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## WORKSHOPS ORGANIZED

<b>Spatial Monitoring and Reporting Tool (SMART) for Patrol and Community Fire Fighting Teams</b> , 5-day workshop for 23 Indonesian NGO and community patrol members, locally coordinated by Borneo Nature Foundation, Palangkaraya, Central Kalimantan, Indonesia	2019
<b>Marine Wildlife Crime Scene Investigation Training Workshop</b> , 8-day workshop for 24 Malaysian government marine law enforcement agents, Kota Kinabalu, Sabah, Malaysia	2018
<b>Bioinformatics Workshop: Analysis and Interpretation of DNA Datasets for Wildlife Conservation</b> , 5-day workshop for 16 Indonesian government and academic scientists in conservation and forensic genetics in collaboration with University of Illinois and Eijkman Institute, Jakarta, West Java, Indonesia	2017
<b>Marine Wildlife Crime Scene Investigation Training Workshop</b> , 8-day workshop for 18 Indonesian government marine law enforcement agents, Jakarta, West Java, Indonesia	2017
<b>Wildlife Forensics Training of Trainers Workshop for Indonesian Stakeholders</b> , 7-day workshop for 10 Indonesian stakeholders in combating wildlife crime, U.S. Fish and Wildlife Service National Forensics Laboratory, Ashland, Oregon	2017
<b>BatCode Initiative – Biodiversity and Conservation Barcoding of Southeast Asian Bats</b> , 3-day workshop (first run for undergraduates only, second run for graduate students and higher) at University of Hasanuddin, Makassar, Sulawesi, Indonesia	2016
<b>BatCode Initiative – Biodiversity and Conservation Barcoding of Southeast Asian Bats</b> , 3-day workshop (first run for undergraduates only, second run for graduate students and higher), at University of Indonesia, Depok, West Java, Indonesia	2016

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## OUTREACH ACTIVITIES

2019

Featured Scientist, STEM Trading Cards, Science Delivered!, a K-5 non-profit aimed at educational equity.



Volunteer Scientist, Skype a Scientist. 60 minute Q&A Skype sessions with middle school classrooms from Missouri.

Volunteer Scientist, Letters to a Pre-Scientist. Create personal connections to interest students from high-poverty schools in STEM through a pen-pal program.

Volunteer Scientist, "Two Scientists Walk into a Bar," Denizens Bar, LabX, National Academy of Sciences, Washington, DC

#### 2018

Volunteer Scientist, Skype a Scientist. 60 minute Q&A Skype sessions with middle school classrooms from Utah and Missouri.

Volunteer Scientist, Letters to a Pre-Scientist.

Consulting and assistance in preparation of public exhibits gallery re-opening of the Philippines National Museum of Natural History in Manila (Galleries: Biodiversity; Mossy-Montane Rainforest)

"The Case of the Army of Man Bats" Episode Release Date: 24 July 2018 of *School of Batman* Podcast.

Available at: [[https://figshare.com/articles/The\\_Case\\_of\\_the\\_Army\\_of\\_Man-bats\\_-\\_Susan\\_Tsang/6854336](https://figshare.com/articles/The_Case_of_the_Army_of_Man-bats_-_Susan_Tsang/6854336)]

Volunteer Scientist, "Two Scientists Walk into a Bar," Columbia Heights Day, LabX, National Academy of Sciences, Washington, DC

#### 2017

Teaser segment with Bill Nye on flying fox conservation for Emmy-winning TV program *Bill Nye Saves the World* (S02E04, "Sex, Drugs, and Superbugs," Netflix)

"Biology at U.S. Fish and Wildlife Service," Episode 10 of CUNY Graduate Center *Alumni Aloud* Podcast.

Available at: <https://careerplan.commonscunycunyu.edu/blog/episode10>

"Island biogeography and conservation of Southeast Asian flying foxes." Women in Ecology: Season 2.

Webinar series, Saint Mary's College, Indiana

*The Flight of the Flying Fox*. In collaboration with Sheherazade and Cedric Tan. Environmental education game developed for local communities on flying fox-durian interactions. Central Sulawesi, Indonesia

"Flying fox hunting: A window to insights and future directions on combating illegal wildlife trade in Southeast Asia." Invited talk, Defenders of Wildlife, Washington, DC

"Biogeography and disease ecology of Southeast Asian flying foxes (Chiroptera: Pteropodidae: *Pteropus*)."

Invited talk, National Geographic Society, Washington, DC

#### 2016

Training Seminar Speaker (Grantsmanship; NSF Grant Review Panel Process). National Zoological Park, Center for Conservation Genomics, Smithsonian Conservation Biology Institution, Washington, DC

Subject Matter Expert, Smithsonian Science How Webcast (Episode: Dr. Kristofer Helgen), Q?rius, National Museum of Natural History, Smithsonian Institution, Washington, DC

#### 2014

"Bats and the evolution of flight." Lecture and collections tour, Education Department, American Museum of Natural History, New York, NY

"Evolution of flying foxes in Southeast Asia." Guest lecture, Metropolitan Expeditionary Learning School, Forest Hills, NY

Volunteer Swabber, New York City Student Ancestry Project, National Geographic Genographic Project

#### 2013

"*Pteropus* bats in Indonesia." American Fulbright Research Fellows Symposium, Annual Fulbright and Related Programs Scholarly Networking Event and Pre-Departure Orientation, Surabaya, Indonesia

"*Pteropus* bats in Indonesia." American Fulbright Research Fellows Symposium, 5<sup>th</sup> Annual Mid-Year

Enrichment Workshop for American Fulbright Students and Scholars in Southeast Asia, Bangkok, Thailand

2012

“Evolution of flying foxes in Southeast Asia.” Lecture and discussion, Education Department, American Museum of Natural History, New York, NY

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### **SELECTED ADDITIONAL WORKSHOPS AND TRAINING**

Stand Up to Harassment Workshop, Washington, DC	2018
Instructor: Sherry Marts (S*Marts Consulting, LLC)	
1 <sup>st</sup> ICARUS User Workshop, Konzil Konstanz, Germany	2017
Instructors: Dr. Martin Wikelski, Dr. Meg Crofoot, Dr. Roland Kays, Dr. Kasper Thorup, Dr. Grigori Tertitski, Dr. Gil Bohrer, Dr. Kate Mansfield	
Crucial Conversations, AAAS, Washington, DC	2016
Instructor: Candace Bertotti	
Fundamentals of Project Management, AAAS, Washington DC	2016
Instructor: Joan Dudik-Gayoso	
iDigBio Data Carpentry Workshop, Remote Classroom at AMNH, New York, NY	2014
Instructors: Debbie Paul, Dr. François Michonneau, Matt Collins, Dr. Pamela Soltis, Katja Seltmann, Dr. Reed Beaman, Dan Stoner, Dr. Tracy Teal, Derek Masaki, Dr. Shari Ellis, and Kevin Love	
Scientific Writing Workshop, EEB Department, Yale University, New Haven, CT	2012
Instructor: Carl Zimmer	

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### **PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS**

- American Association for the Advancement of Science, Member (2016 – present)
  - Association for Tropical Biology and Conservation, Member (2016 – present)
  - North American Society for Bat Research, Member (2011 – present)
  - Society for the Study of Evolution, Member (2010 – present)
  - Sigma Xi, Associate Member (2008 – present)
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### **ADDITIONAL SKILLS**

- Chinese fluency (Cantonese & Mandarin)
- Intermediate Japanese
- Intermediate French
- Basic Indonesian
- R, mySQL
- Web programming (HTML, PHP, & JS) and graphic design (Adobe Photoshop & Illustrator)
- First aid and CPR