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<https://lmdavalos.github.io/>

## Liliana M. Dávalos

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### Experience

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Fall 2008- Current	<b><u>State University of New York at Stony Brook, USA</u></b> Assistant Professor (2008-2014), Associate Professor (2014-2018), Full Professor (2018-present): Department of Ecology and Evolution, Consortium for Inter-Disciplinary Environmental Research <ul style="list-style-type: none"><li>Diversification in species &amp; traits / Genomes &amp; -omes / Tropical deforestation &amp; how to stop it</li></ul>
2007-Current	<b><u>American Museum of Natural History, New York, USA</u></b> Research Associate, Division of Vertebrate Zoology
2007-2008	<b><u>Open University, Milton Keynes, UK</u></b> Lecturer (US equivalent: Assistant Professor): Molecular Ecology
2005-2006	<b><u>Columbia University, New York, USA</u></b> Instructor, Department of Ecology, Evolution, and Environmental Biology (E3B) <ul style="list-style-type: none"><li>Evolution: from Darwin to DNA</li></ul>
2005-2006	<b><u>American Museum of Natural History, New York, USA</u></b> Postdoctoral Research Associate, PI: Susan L. Perkins <ul style="list-style-type: none"><li>Phylogenetics, genomics of malaria parasites</li></ul>
2004-2005	<b><u>University of Arizona, Tucson, USA</u></b> Postdoctoral Research Associate, PI: Howard Ochman <ul style="list-style-type: none"><li><i>E. coli</i> genomics, pseudogenes</li></ul>
1998-2004	<b><u>Columbia University and American Museum of Natural History, New York, USA</u></b> Graduate Fellow in Ecology, Evolution and Environmental Biology, PI: Nancy B. Simmons <ul style="list-style-type: none"><li>Phylogenetics, biogeography, Caribbean mammals</li><li>Biodiversity conservation, armed conflict, illegal markets</li><li>Expedition leader: Tambito (Colombia), Jamaica, Dominican Republic, Trinidad, and Cat Island (Bahamas)</li><li>Teaching assistant: Field Ornithology, People and the Environment</li></ul>
1997-1998	<b><u>Colombia '98 Expedition</u></b> Field Researcher <ul style="list-style-type: none"><li>Organized, raised funds, and conducted field ornithology survey at Serranía de los Churumbelos, site declared National Natural Park Serranía de los Churumbelos on 30 August 2007 partly based on this expedition</li><li>First biologist to visit the Serranía de San Lucas in 50 years, site proposed as National Natural Park Serranía de San Lucas in 2010 partly based on this reconnaissance survey</li><li>Research assistant for "Avifauna of Tambito and Munchique", endorsed by the Cambridge</li></ul>

Current 11 August 2019

1996-1997	Expedition Committee and Museo de Historia Natural (Universidad del Cauca), Popayán <b>Universidad del Valle and Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia</b> Undergraduate fellow at the Biotechnology Research Unit <ul style="list-style-type: none"> <li>Molecular genetics of resistance to Hoja Blanca virus (HBV) in rice</li> </ul>
1994-1996	<b>Universidad del Valle, Cali, Colombia</b> <b>Teaching Assistant</b> <ul style="list-style-type: none"> <li>Three courses: Ecology, Evolution, and Quantitative Genetics</li> </ul>

## Education

2001-2004	Columbia University, Graduate School of Arts and Sciences (GSAS)	<b>PhD</b> (May) Ecology, Evolution, and Environmental Biology
1998-2001	Columbia University, GSAS	<b>MPhil</b> (Oct) Ecology and Evolutionary Biology
1998-2001	Columbia University, School of International and Public Affairs	(Oct) Certificate in Environmental Policy Studies
1998-2000	Columbia University, GSAS	<b>MA</b> (Feb) Ecology and Evolutionary Biology
1991-1997	Universidad del Valle	<b>BSc</b> (Oct) Biology with emphasis in Genetics

## Current grant funding (percent of applications funded)

2019-2022	<i>"Regrowing the brain: evolution and mechanisms of seasonal reversible size changes in a mammal"</i> co-PI, Human Frontiers of Science Program, \$327,261 to SBU, \$1,050,000 total. (4%)
2018-2020	<i>"The Very Extended Phenotype: Connecting genetics and evolution to ecosystem function"</i> co-PI, internal SBU funding \$70,000 total. (6.8%)
2019-2021	<i>"SESYNC Pursuit: The death and life of biodiversity: modeling extinction and resilience on islands"</i> joint PI with Siobhán Cooke, Alexis Mychajliw, Angelo Soto & Nathan Upham, National Socio-Environmental Synthesis Center, travel costs for 15 participants in three workshops. (N/A)
2018-2020	<i>"RoL: FELS: EAGER: Genomics of exceptions to scaling of longevity to body size"</i> PI, National Science Foundation, \$148,060 to SBU, \$299,735 total. (N/A)
2018-2019	<i>"Seed Grants Colciencias-NSF: Assessing the genomic, transcriptomic and microbiomic basis of biodiversity for the post-conflict Era"</i> PI, \$20,000 to Instituto Humboldt (Colombia). (N/A)
2017-2019	<i>"Dissertation Research: Detecting adaptive evolution of gene duplication in olfactory receptors"</i> PI, National Science Foundation, \$18,760 total. (24%)
2016-2022	<i>"NRT-DESE: Interdisciplinary Graduate Training to Understand and Inform Decision Processes Using Advanced Spatial Data"</i> co-PI, National Science Foundation, \$2,994,707 total. (8%)
2015-2020	<i>"Chance or necessity? Adaptive vs. non adaptive evolution in plant-frugivore interactions"</i> PI, National Science Foundation, \$246,000 to SBU, \$796,000 total. (19%)
2014-2019	<i>"Dimensions: Collaborative Research: Discovering genomic and developmental mechanisms that underlie sensory innovations critical to adaptive diversification"</i> , PI, National Science Foundation, \$660,285 to SBU, \$1,911,615 total. (5.2%)

## Honors and Awards (Last 10 years)

2016	Stony Brook University College of Arts and Sciences Teaching Excellence Award for outstanding teaching and true caring for students in and outside of the classroom
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- 2013 Certificate of Excellence in Reviewing, *Molecular Phylogenetics and Evolution*, Elsevier  
 2013 Kavli Frontiers of Science Symposium Fellow  
 2012-2013 National Academy of Sciences Education Fellow in the Life Sciences

## Invited Talks (Last 3 years)

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- 6 August 2019 **Dávalos, L.M.** [Deforestación, Desarrollo y Política Pública](#). Seminario: ¿El Medio Ambiente Como Víctima de la Paz? Deforestación y Conservación De Biodiversidad. Universidad de Los Andes, Bogotá, Colombia.
- 3 July 2019 **Dávalos, L.M.** [Genomic Insights into bat Senses](#). Max Planck Institute for Animal Behavior, Radolfzell, Germany.
- 9 May 2019 **Dávalos, L.M.** [A Sensory Journey among Hyper Diverse Bats v.2](#). Student-Invited Speaker organized by the Biology Graduate Student Association, University of Missouri at St. Louis, St. Louis, Missouri.
- 1 April 2019 **Dávalos, L.M.** [How to make peace better than war for Colombia's forests](#). Humboldt University of Berlin Workshop: Post-conflict scenarios of land-use in Colombia, Berlin.
- 6 & 11 March 2019 **Dávalos, L.M.** [A Sensory Journey among Hyper Diverse Bats](#). Texas Tech University Biology Seminar, Lubbock, Texas. Also at the Instituto Humboldt, Venado de Oro (Colombia).
- 5 November 2018 **Dávalos, L.M.** 2018. [Olfaction in Bats](#). Natural History of the Senses course at the American Museum of Natural History, New York, New York.
- 27 March 2018 **Dávalos, L.M.** [Past, present, and future of deforestation in the northwestern Amazon](#). Student-Invited Speaker at the Ecology, Evolution, and Environmental Biology Seminar, Columbia University, New York, New York.
- 26 March 2018 **Dávalos, L.M.** [Dynamics of extinction and survival in the Caribbean and the future of biodiversity](#). Richard Gilder Graduate School Seminar, American Museum of Natural History, New York, New York.
- 23 March, 2018 **Dávalos, L.M.** [Extinction, Extinction: How it Was and How to Stop it From the Miocene to Today](#). Living World Lecture Series, Stony Brook University, Stony Brook, New York.
- 28 February, 2018 **Dávalos, L.M.** [Twenty million years of extinction and survival in the Caribbean \(v.2\)](#). Student-Invited Speaker at the Ecology, Evolution, and Behavior Seminar, University of Minnesota, St. Paul, Minnesota.
- 17 August, 2018 **Dávalos, L.M.** [Twenty million years of extinction and survival in the Caribbean \(v.1\)](#). Invited Speaker at the VI Colombian Symposium on Evolutionary Biology, Universidad del Valle, Cali, Colombia.
- 17 & 18 July, 2017 **Dávalos, L.M.** [Nexos desarrollo - cultivos ilícitos y tres propuestas para el siguiente siglo](#). Keynote at Banco de la República Cali & Medellín, Colombia.
- 17 July, 2017 **Dávalos, L.M.** [¿De dónde viene y para dónde va la deforestación en Colombia?](#) Keynote at ICESI Cali, Colombia.
- 12 April, 2017 **Dávalos, L.M.** [Models of extinction from the Miocene to the last 40 years](#). Student-Invited Speaker at the Students Scholar Day keynote at Grand Valley State University, Allendale, Michigan.
- 16 February, 2017 **Dávalos, L.M.** [The importance of models —dynamics of extinction and their drivers from the Miocene to the last 40 years \(v. 2\)](#). Symposium on Geoecology at the University of Basel, Basel, Switzerland.

## Conference Presentations (Last 3 years)

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- 27 October 2018 **Dávalos, L.M.**, W.C. Lancaster, M.S. Nuñez-Novas, Y.M. León, B. Lei, J. Flanders, and A.L. Russell. [Using Genetics to Explain Acoustic Divergence in the \*Pteronotus parnellii\* Species Complex](#). 48th Annual North American Symposium on Bat Research, 24-27 October 2018 Puerto Vallarta, Jalisco.

- 24 July, 2017 **Dávalos, L.M.** 2017. [The forest frontier as the link between conflict risk, coca cultivation and high biodiversity areas](#). 28th International Congress for Conservation Biology, July 23-27. Cartagena, Colombia.
- 23 June, 2017 **Dávalos, L.M.**, A. Shankar, and E. Lauterbur. 2017. The unnatural concept of extinction in species-area relationships and teaching conservation biology. *Evolution* 2017, 23-27 June. Portland, Oregon.
- 24-25 February, 2017 **Dávalos, L.M.**, E.R. Dumont, D. Rojas, K. Sears, and L.R. Yohe. 2017. [All bats are special, but stenodermatines are more special than others](#). 5th International Berlin Bat Meeting, 24-26 February. Berlin, Germany.

## Laboratory Skills

- DNA and RNA extraction, primer design
- PCR technology and troubleshooting, PCR-based cloning, quantitative PCR
- Purification, re-amplification, cycle-sequencing, and automated sequencing of targeted products

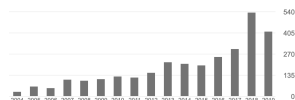
## Computer Skills

- At ease on Unix, Windows, and Macintosh platforms
- Bioinformatics: PERL/BioPERL, MySQL, R statistical language, Jags
- Biostatistics: SPSS, SAS
- GIS: ArcGIS, relevant R packages
- Illustrator, Photoshop, Acrobat, Microsoft Office suite, local and web applications
- Phylogenetics, & molecular evolution: Arlequin, Autodecay, Beast, Beauti, Blastalign, BLAST, Component, Clustal, Dambe, diva, Diva-GIS, Foldalign, Garli, IM, Muscle, MacClade, Mafft, Maxent, Mega, Mesquite, ModelOMatic, Modeltest, MrBayes, Paup\*, PETfold, Pfold, Phylip, PhymI, Sequin, Sequencher, Tracer, Trinity, Vienna RNA package

## Language Skills

- First language: Spanish
- Most fluent in: English
- Working knowledge in: Portuguese, French

## Publications



*Google Scholar* (most reliable source for 2 publication names):  
H-index: 29, i10-index: 53, total cites: 3059  
Most cited paper: Thompson et al. 2017 (330)  
Most cited lead author paper: Reddy and Dávalos 2003 (322)

## Peer-reviewed journal articles (69 published, 5 in process; SBU †undergraduate, ‡graduate, ◇postdoctoral trainee; non SBU °trainee)

- Submitted Potter, J.H.T.°, **L.R. Yohe**◇, E.M. Rengifo, M.K.R. Sánchez, H. Portocarrero, J. Pacheco, J.R. Leveau, G. Tsagkogeorga, K.T.J. Davies°, **L.M. Dávalos**, S.J. Rossiter. Comparative transcriptomic patterns correlate with diet and metabolic demands in Neotropical leaf-nosed bats. *Nature Metabolism*.
- In Review **Shankar, A.**‡, D.R. Powers, **L.M. Dávalos**, C.H. Graham. The allometry of daily energy expenditure in hummingbirds. *Journal of Animal Ecology*.

- In Review **Yohe, L.Ø**, K.T.J. Davies°, N.B. Simmons, K.E. Sears, E.R. Dumont, S.J. Rossiter, **L.M. Dávalos**. Targeted sequence capture outperforms RNA-Seq and degenerate-primer PCR cloning for sequencing the largest mammalian multi-gene family. *Molecular Ecology Resources*. Preprint DOI: <https://doi.org/10.1101/607994>
- In Review **Yohe, L.Ø**, K.T.J. Davies°, S.J. Rossiter, **L.M. Dávalos**. Expressed vomeronasal type-1 receptors (V1rs) in bats uncover conserved mechanisms of social chemical signaling. *Genome Biology and Evolution*. Preprint DOI: <https://doi.org/10.1101/293472>
- Accepted Dávalos, E., **L.M. Dávalos**. Social Investment Deters Smallholder Coca Cultivation. *Journal of Development Studies*. DOI: <https://doi.org/10.1080/00220388.2019.1650167>
- 2019 **Yohe, L.Ø\***, P. Devanna\*, K.T.J. Davies, J.H.T. Potter, S.J. Rossiter, E.C. Teeling, S. Vernes#, **L.M. Dávalos#**. Best practices for tissue collection of bats for -omics analyses and primary cell culture. *JoVE*. \*Equal contribution, #co-corresponding authors. <https://www.jove.com/video/59505/tissue-collection-of-bats-for-omics-analyses-and-primary-cell-culture>
- 2019 Hedrick, B., G. Mutumi°, D. Munteanu, A. Sadier°, K. Davies°, S. Rossiter, K. Sears, **L. Dávalos**, E. Dumont. Morphological diversification under high integration in a hyper diverse mammal clade. *Journal of Mammalian Evolution*. DOI: <https://doi.org/10.1007/s10914-019-09472-x>
- 2019 **Lim, M.†**, C. Witt, C. Graham, **L.M. Dávalos**. Parallel molecular evolution in pathways, genes, and sites in high-elevation hummingbirds revealed by comparative transcriptomics. *Genome Biology and Evolution* **11**(6): 1552–1572. DOI: [10.1093/gbe/evz101](https://doi.org/10.1093/gbe/evz101)
- 2019 **Dávalos, L.M.\***, W.C. Lancaster, M.S. Núñez-Novas°, Y.M. León, B. Lei°, J. Flanders, A.L. Russell\*. A coalescent-based estimator of genetic drift, and acoustic divergence in the *Pteronotus parnellii* species complex. *Heredity* **122**(4): 417–427. \*Equal contribution. DOI: [10.1038/s41437-018-0129-3](https://doi.org/10.1038/s41437-018-0129-3)
- 2019 Armenteras, D., L. Schneider, **L.M. Dávalos**. Fires Spike in Protected Areas: Unforeseen Costs of Colombian Peace. *Nature Ecology and Evolution* **3**: 20–23. DOI: [10.1038/s41559-018-0727-8](https://doi.org/10.1038/s41559-018-0727-8)
- 2018 Sadier, A.°, K.T.J. Davies°, **L. Yohe†**, K. Yun, **P. Donat†**, B.P. Hedrick°, E.R. Dumont, **L.M. Dávalos\***, S.J. Rossiter\*, K.E. Sears\*. Evidence for multifactorial processes underlying phenotypic variation in bat visual opsins. *eLife* **2018**;7:e37412. \*Co-corresponding authors. DOI: [10.7554/eLife.37412](https://doi.org/10.7554/eLife.37412)
- 2018 Rojas, D.Ø, M. Moreira, M.J. Ramos Pereira, C. Fonseca, **L.M. Dávalos**. Updated distribution maps for neotropical bats in the superfamily Noctilionoidea. *Ecology* **99**(9): 2131. DOI: [10.1002/ecy.2404](https://doi.org/10.1002/ecy.2404) (Data Paper)
- 2018 Dávalos, E., L. Morales, J. Holmes\*, **L.M. Dávalos**. Opposition Support and the Experience of Violence Explain the Colombian Peace Referendum. *Journal of Politics in Latin America* **10**(2): 99–122. \*Corresponding author.
- 2018 Hedrick, B.P.°, L. Yohe†, A. Vander Linden, **L. M. Dávalos**, K. Sears, A. Sadier°, S.J. Rossiter, K.T.J. Davies°, E. Dumont. Assessing Soft-Tissue Shrinkage Estimates in Museum Specimens Imaged With Diffusible Iodine-based Contrast-Enhanced Computed Tomography (diceCT). *Microscopy and Microanalysis* **24**(3): 284–291. DOI: [10.1017/S1431927618000399](https://doi.org/10.1017/S1431927618000399)
- 2018 Yohe, L.†, **L.M. Dávalos**. Genetic function of *Trpc2* predicts accessory olfactory bulb form in bat vomeronasal evolution. *Biological Journal of the Linnean Society* **123**(4): 796–804. DOI: [10.1093/biolinnean/bly015](https://doi.org/10.1093/biolinnean/bly015)
- 2018 Holmes, J.S., A. Palao Mendizabal°, D. Saucedo De La Fuente, K. Mets†, A. Cárdenas, D. Armenteras, **L.M. Dávalos**. Identifying municipal risk factors for leftist guerrilla violence in Colombia. *Peace Economics, Peace Science and Public Policy* **24**(2): 23–51. DOI: [10.1515/peps-2017-0009](https://doi.org/10.1515/peps-2017-0009)
- 2018 Tavares, V.d.C.\*, O.M. Warsi†, F. Balseiro, C. Mancina, **L.M. Dávalos\***. Out of the Antilles: Fossil Phylogenies Support Reverse Colonization of Bats to South America. *Journal of Biogeography* **45**(4): 859–873. \*Equal contribution. DOI: [10.1111/jbi.13175](https://doi.org/10.1111/jbi.13175)
- 2018 Rojas, D.Ø\*, M.J. Ramos Pereira, C. Fonseca, **L.M. Dávalos\***. Eating down the food chain: generalism is not an evolutionary dead end for herbivores. *Ecology Letters* **21**(3): 402–410. \*Corresponding authors. DOI: [10.1111/ele.12911](https://doi.org/10.1111/ele.12911) **Corrigendum**: DOI: [10.1111/ele.12968](https://doi.org/10.1111/ele.12968)
- 2018 Teeling, E., S. Vernes, **L.M. Dávalos**, D.A. Ray, M.T. Gilbert, E. Myers, and the Bat1K Consortium. Bat Biology, Genomes, and the Bat1K Project: to generate chromosome-level genomes for all living bat species. *Annual Review of Animal Biosciences* **6**, 23–46. DOI: [10.1146/annurev-animal-022516-022811](https://doi.org/10.1146/annurev-animal-022516-022811)
- 2017 Thompson, L.R., Sanders, J.G., McDonald, D., Amir, A., Ladau, J., Locey, K.J., Prill, R.J., Tripathi, A.,

- Gibbons, S.M., Ackermann, G., Navas-Molina, J.A., Kopylova, E., Vázquez-Baeza, Y., Janssen, S., Morton, J.T., Mirarab, S., Xu, Z.Z., Haroon, M.F., Kanbar, J., Zhu, Q., Gonzalez, A., Song, S.J., Kosciolk, T., Bokulich, N.A., Lefler, J., Brislawn, C.J., Humphrey, G.C., Owens, S.M., Hampton-Marcell, J., Berg-Lyons, D., McKenzie, V., Fierer, N., Fuhrman, J.A., Clauset, A., Stevens, R.L., Shade, A., Pollard, K.S., Goodwin, K.D., Jansson, J.K., Gilbert, J.A., Knight, R., The Earth Microbiome Project Consortium\*. A communal catalogue reveals Earth's multiscale microbial diversity. *Nature* 551, 457–463. DOI: 10.1038/nature24621 \* As part of this massive consortium.
- 2017 Cooke, S.B., **L.M. Dávalos**\*, A. Mychajliw°, S.T. Turvey, N.S. Upham°. Anthropogenic Extinction Dominates Holocene Declines of West Indian Mammals. *Annual Review of Ecology, Evolution, and Systematics* 48, 301-327. Equal contribution by all authors. \*Corresponding author. DOI: 10.1146/annurev-ecolsys-110316-022754
- 2017 Mets, K.D.‡, D. Armenteras, **L.M. Dávalos**. Spatial autocorrelation reduces model precision and predictive power in deforestation analyses. *Ecosphere* 8(5), e01824. DOI: 10.1002/ecs2.1824
- 2017 Armenteras, D., C. Gibbes, J. Anaya, **L.M. Dávalos**. Integrating remotely sensed fires for predicting deforestation for REDD+. *Ecological Applications* 27(4), 1294-1304. DOI: 10.1002/eap.1522
- 2017 Yohe, L.R.‡, R. Abubakar†, C. Giordano‡, E. Dumont, K. Sears, S. Rossiter, **L.M. Dávalos**. *Trpc2* pseudogenization dynamics in bats reveal ancestral vomeronasal signaling, then pervasive loss. *Evolution* 71(4), 923-935. DOI: 10.1111/evo.13187
- 2017 Valente, L., R. Etienne, **L.M. Dávalos**\*. Recent extinctions disturb path to equilibrium diversity in the Caribbean. *Nature Ecology and Evolution* 1, 0026. \*Corresponding author. DOI: 10.1038/s41559-016-0026
- 2016 **Dávalos, L.M.**, K.M. Sanchez°, D. Armenteras. Deforestation and Coca Cultivation Rooted in 20th-Century Development Projects. *Bioscience* 66(11), 974-982. DOI: 10.1093/biosci/biw118
- 2016 Nuñez-Novas, M.S.°, Y.M. León, J. Mateo, **L.M. Dávalos**. Records of the cave-dwelling bats (Mammalia: Chiroptera) of Hispaniola with an examination of seasonal variation in diversity. *Acta Chiropterologica* 18(1), 269–278. DOI: 10.3161/15081109ACC2016.18.1.016
- 2016 Herrera, J.‡, **L.M. Dávalos**. Phylogeny and divergence times of lemurs inferred with recent and ancient fossils in the tree. *Systematic Biology* 65(5), 772-791. DOI: 10.1093/sysbio/syw035
- 2016 Rojas, D.◊, O.M. Warsi‡, **L.M. Dávalos**. Bats (Chiroptera: Noctilionoidea) challenge recent origin of extant neotropical diversity. *Systematic Biology* 65(3), 432-448. DOI: 10.1093/sysbio/syw011
- Erratum:** DOI: 10.1093/sysbio/syw118
- 2015 Yohe, L.R.‡, P.M. Velazco°, D. Rojas◊, B.E. Gerstner†, N.B. Simmons, **L.M. Dávalos**. Bayesian hierarchical models suggest oldest known plant-visiting bat was omnivorous. *Biology Letters* 11(11), 1-5. DOI: 10.1098/rsbl.2015.0501
- 2015 Chadid, M.A.°, **L.M. Dávalos**, J. Molina, D. Armenteras. A Bayesian Spatial Model Highlights Distinct Dynamics in Deforestation from Coca and Pastures in an Andean Biodiversity Hotspot. *Forests* 2015(6), 3828-3846. DOI: 10.3390/f6113828
- 2015 Dahan, R.A.\*‡, R.P. Duncan°, A.C.C. Wilson, **L.M. Dávalos**\*. Expansion of amino acid transporters is associated with the evolution of obligate endosymbiosis in sap-feeding insects (Hemiptera: Sternorrhyncha). *BMC Evolutionary Biology* 15, 52. \*Corresponding authors. DOI: 10.1186/s12862-015-0315-3
- 2015 Corthals, A.P., A. Martin°, O.M. Warsi‡, M. Woller-Skar, W. Lancaster, A. Russell, **L.M. Dávalos**. From the field to the lab: Best practices for field Preservation of Bat Specimens for Molecular Analyses. *PLoS One* 10(3), e0118994. DOI: 10.1371/journal.pone.0118994
- 2014 Núñez-Novas, M.S.°, Y.M. León, J. Mateo, and **L.M. Dávalos**. 2014. Horas de éxodo y estacionalidad en los murciélagos en cuatro cuevas de la República Dominicana. *Novitates Caribaeae* 2014(7), 83-94.
- 2014 **Dávalos, L.M.**\*, A.L. Russell\*. Sex-biased dispersal produces high error rates in mitochondrial distance-based and tree-based species delimitation. *Journal of Mammalogy*. 95(4), 781-791. \*Equal contribution. DOI: 10.1644/14-MAMM-A-107
- 2014 Davies, K.T.J.°, G. Tsagkogeorga, N.C. Bennett, **L.M. Dávalos**, C.G. Faulkes, S.J. Rossiter. Molecular evolution of growth hormone and insulin-like growth factor 1 receptors in long-lived, small-bodied mammals. *Gene* 549(2014), 228-236. DOI: 10.1016/j.gene.2014.07.061
- 2014 **Dávalos, L.M.**, P. Velazco°, O. Warsi‡, P. Smits°, N.B. Simmons. Integrating Incomplete Fossils by

- Isolating Conflicting Signal in Saturated and Non-Independent Morphological Characters. *Systematic Biology* 63(4), 582–600. DOI: 10.1093/sysbio/syu022
- 2014 Dumont, E.R.\*, K. Samavedam, I. Grosse, O.M. Warsi†, B. Baird†, **L.M. Dávalos\***. Selection for mechanical advantage underlies multiple cranial optima in New World leaf-nosed bats. *Evolution* 68(5), 1436–1449. \*Equal contribution. DOI: 10.1111/evo.12358
- 2014 Hayden, S.°, M. Bekaert, A. Goodbla, W.J. Murphy, **L.M. Dávalos\***, E. Teeling\*. A Cluster of Olfactory Receptor Genes Linked to Frugivory in Bats. *Molecular Biology and Evolution* 31(4), 917–927. \*Equal contribution. DOI: 10.1093/molbev/msu043
- 2014 Duncan, R.°, F. Husnik, J. Van Leuven, D. Gilbert, **L. Dávalos**, J. McCutcheon, A. Wilson. Dynamic recruitment of amino acid transporters to the insect-symbiont interface. *Molecular Ecology* 23(6), 1608–1623. DOI: 10.1111/mec.12627
- 2014 **Dávalos, L.M.**, J.S. Holmes, N. Rodríguez, D. Armenteras. Demand for beef is unrelated to pasture expansion in northwestern Amazonia. *Biological Conservation* 170(2014), 64–73. DOI: 10.1016/j.biocon.2013.12.018
- 2013 Dawson, M., A. Algar, A. Antonelli, **L.M. Dávalos**, E. Davis, R. Early, A. Guisan, R. Jansson, J. Lessard, K. Marske, J. McGuire, A.L. Stigall, N.G. Swenson, N. Zimmermann, D. Gavin. An horizon scan of biogeography. *Frontiers in Biogeography* 5(2), 130–157.
- 2012 **Dávalos, L.M.**, A.L. Russell. Deglaciation Explains Bat Extinction in the Caribbean. *Ecology and Evolution* 2(12), 1–7. DOI: 10.1002/ece3.399
- 2012 **Dávalos, L.M.\***, A.L. Cirranello°, J.H. Geisler, N.B. Simmons. Understanding phylogenetic incongruence: lessons from Phyllostomid bats. *Biological Reviews* 84(7), 991–1024. \*Equal contribution. DOI: 10.1111/j.1469-185X.2012.00240.x
- 2012 Corthals, A., A. Koller, D.W. Martin, R. Rieger, E.I. Chen, M. Bernaski, G. Recagno, **L.M. Dávalos**. Detecting the Immune System Response of a 500 Year-old Inca Mummy. *PLoS One* 7(7), e41244. DOI: 10.1371/journal.pone.0041244
- 2012 Dumont, E.R.\*, **L.M. Dávalos\***, A. Goldberg†, S. E. Santana, K. Rex, C.C. Voigt. Morphological innovation, diversification and the invasion of a new adaptive zone. *Proceedings of the Royal Society B: Biological Sciences* 279(1734), 1797–1805. \*Equal contribution. DOI: 10.1098/rspb.2011.2005
- 2012 Geeta, R., **L.M. Dávalos**, A. Levy, L. Bohs, M. Lavin, K. Mummenhoff, N. Sinha, M.F. Wojciechowski. Keeping it simple: Flowering plants tend to retain, and revert to, simple leaves. *New Phytologist* 193(2), 481–493. DOI: 10.1111/j.1469-8137.2011.03951.x
- 2011 **Dávalos, L.M.**, A.C. Bejarano, M.A. Hall°, H.L. Correa, A.P. Corthals, O.J. Espejo. Forests and drugs: coca-driven deforestation in global biodiversity hotspots. *Environmental Science and Technology* 45(4), 1219–1227. DOI: 10.1021/es102373d
- 2009 **Dávalos, L.M.\***, A.C. Bejarano\*, H.L. Correa. Disabusing Cocaine: Pervasive Myths and Enduring Realities of a Globalised Commodity. *International Journal of Drug Policy* 20(5), 381–386. \*Equal contribution. DOI: 10.1016/j.drugpo.2008.08.007
- 2009 **Dávalos, L.M.\***, A.L. Porzecanski\*. Accounting for molecular stochasticity in systematic revisions: Species limits and phylogeny of *Paroaria*. *Molecular Phylogenetics and Evolution* 53(1), 234–248. \*Equal contribution. DOI: 10.1016/j.ympev.2009.06.003
- 2008 **Dávalos, L.M.**, A. Corthals. A new species of *Lonchophylla* (Chiroptera: Phyllostomidae) from the eastern Andes of northwestern South America. *American Museum Novitates* 3635, 1–16. DOI:10.1206/464.1
- 2008 **Dávalos, L.M.**, S.L. Perkins. Saturation and base composition bias explain phylogenomic conflict in *Plasmodium*. *Genomics* 91(5), 433–442. DOI: 10.1016/j.ygeno.2008.01.006
- 2007 **Dávalos, L.M.** Short-faced bats (Phyllostomidae: Stenodermatina): a Caribbean radiation of strict frugivores. *Journal of Biogeography* 34(2), 364–375. DOI: 10.1111/j.1365-2699.2006.01610.x
- 2006 **Dávalos, L.M.** The geography of diversification in the mormoopids (Chiroptera: Mormoopidae). *Biological Journal of the Linnean Society* 88(5), 101–118. DOI: 10.1111/j.1095-8312.2006.00605.x
- 2006 Ochman, H., **L.M. Dávalos**. The nature and dynamics of bacterial genomes. *Science* 311(5768), 1730–1733. DOI: 10.1126/science.1119966
- 2005 **Dávalos, L.M.** Molecular phylogeny of Funnel-eared bats (Chiroptera: Natalidae), with notes on biogeography and conservation. *Molecular Phylogenetics and Evolution* 37(1), 91–103.

- DOI:10.1016/j.ympev.2005.04.024
- 2005 Fjeldså, J., **M.D. Álvarez**, J.M. Lazcano, B. León. Illicit Crops and Armed Conflict as Constraints on Biodiversity Conservation in the Andes Region. *Ambio* 34(3), 205-211. DOI: 10.1579/0044-7447-34.3.205
- 2004 Carstens, B.C., J. Sullivan, **L.M. Dávalos**, P.A. Larsen, S.C. Pedersen. Exploring population genetic structure in three species of Lesser Antillean bats. *Molecular Ecology* 13(9), 2557-2566. DOI: 10.1111/j.1365-294X.2004.02250.x
- 2004 **Dávalos, L.M.**, S.A. Jansa. Phylogeny of the Lonchophyllini (Chiroptera: Phyllostomidae). *Journal of Mammalogy* 85(3), 404-413. DOI: 10.1644/1545-1542(2004)085<0404:POTLCP>2.0.CO;2
- 2004 **Dávalos, L.M.** Phylogeny and biogeography of Caribbean mammals. *Biological Journal of the Linnean Society* 81(3), 373-394. DOI: 10.1111/j.1095-8312.2003.00302.x
- 2004 **Dávalos, L.M.** A new Chocoan species of *Lonchophylla* (Chiroptera: Phyllostomidae). *American Museum Novitates* 3426, 1-14. DOI: 10.1206/0003-0082(2004)426<0001:ANCSOL>2.0.CO;2
- 2003 Reddy, S.\*, **L.M. Dávalos\***. Geographical sampling bias and its implications for conservation priorities in Africa. *Journal of Biogeography* 30(11), 1719-1727. \*Equal contribution. DOI: 10.1046/j.1365-2699.2003.00946.x
- 2003 **Álvarez, M.D.** Forests in the time of violence: conservation implications of the Colombian war. *Journal of Sustainable Forestry* 16(3,4), 49-70. DOI:10.1300/J091v16n03\_03
- 2003 **Dávalos, L.M.**, R. Sears, G. Raygorodetsky, B. Simmons, H. Cross, T. Grant, T. Barnes, L. Putzel, A.L. Porzecanski. Regulating access to genetic resources under the Convention on Biological Diversity: An analysis of selected case studies. *Biodiversity and Conservation* 12(7), 1511-1524. DOI: 10.1023/A:1023615303748
- 2003 **Dávalos, L.M.**, R. Eriksson. New and Noteworthy records from Ten Jamaican bat caves. *Caribbean Journal of Science* 39(1), 140-144.
- 2002 **Álvarez, M.D.** Illicit crops and bird conservation priorities in Colombia. *Conservation Biology*. 16(4), 1086-1096. DOI: 10.1046/j.1523-1739.2002.00537.x
- 2001 Sears, R., **L.M. Dávalos**, G. Ferraz. Missing the forest for the profits: The role of multinational corporations in the international forest regime. *Journal of Environment and Development* 10(4), 345-364.
- 2001 **Álvarez, M.D.** Could peace be worse than war for Colombia's forests?. *The Environmentalist* 21(4), 305-315. DOI: 10.1023/A:1012904318418
- 2001 **Dávalos, L.M.**, T. Brooks. Parc National La Visite, Haiti: a last refuge for the country's montane birds. *Cotinga* 16, 36-39.
- 2001 Brooks, T., **L.M. Dávalos**. The Birds of Île-à-Vache, Haiti. *Caribbean Journal of Science* 37(1,2), 112-115.
- 2001 **Dávalos, L.M.** The San Lucas mountain range in Colombia: How much conservation is owed to the violence? *Biodiversity and Conservation* 10(1), 69-78. DOI: 10.1023/A:1016651011294
- 1999 **Dávalos, L.M.**, J. A. Guerrero. The bat fauna of Tambito, Colombia. *Chiroptera Neotropical* 5(1-2), 112-115.
- 1999 Donegan, T., **L. Dávalos**. Ornithological observations from Reserva Natural Tambito, Cauca, south-west Colombia. *Cotinga* 12, 48-55.
- 1998 Salaman, P., **L. Dávalos**, G. Kirwan. The first breeding records of White-rimmed Brush-finch, *Atlapetes leucopis*, with ecological notes. *Cotinga* 9, 24-26.

### Edited Books (1 published, 1 in process)

- 2020 *Phyllostomid bats: A Unique Mammalian Radiation*. T. Fleming, **L.M. Dávalos**, and M.A. Ribeiro de Mello (eds.). Chicago: University of Chicago Press.
- 2018 *The Origins of Cocaine: Colonization and Failed Development in the Amazon Andes*. P. Gootenberg, and **L.M. Dávalos** (eds.). London: Routledge.



**Peer-reviewed book sections (7 published, 2 in process)**

- 2020 **Dávalos, L.M.\***, A. Cirranello\*, E. Dumont, S.J. Rossiter, D. Rojas. Adapt or live: Adaptation, Convergent Evolution, and Plesiomorphy. Pp. TBD in *Phyllostomid bats: A Unique Mammalian Radiation*. T. Fleming, L.M. Dávalos, and M.A. Ribeiro de Mello (eds.). Chicago: University of Chicago Press. \*Equal contribution..
- 2020 **Dávalos, L.M.**, P. Velazco\*, D. Rojas. Phylogenetics and Historical Biogeography. Pp. TBD in *Phyllostomid bats: A Unique Mammalian Radiation*. T. Fleming, L.M. Dávalos, and M.A. Ribeiro de Mello (eds.). Chicago: University of Chicago Press.
- 2019 Yohe, L.R.Ø, L. Liu, **L.M. Dávalos**, and D.A. Liberles. Protocols for the molecular evolutionary analysis of membrane protein gene duplicates. Pp. 49-62 in *Computational Methods for Protein Evolution*. T.T. Sikosek (ed.). New York: Springer.
- 2018 **Dávalos, L.M.** The Ghosts of Development Past: Deforestation and Coca in Western Amazonia. Pp. 19-51 in *The Origins of Cocaine: Colonization and Failed Development in the Amazon Andes*. P. Gootenberg, and L.M. Dávalos (eds.). London: Routledge.
- 2012 **Dávalos, L.M.**, S. Turvey. West Indian mammals: The old, the new, and the recently extinct. Pp. 157-202 in *Bones, Clones and Biomes: The History and Geography of Recent Neotropical Mammals*. B. Patterson, and L. P. Costa (eds.). Chicago: University of Chicago Press.
- 2011 Pinedo Vasquez, M., **L.M. Dávalos**. The river-refuge hypothesis and other contributions of Márcio Ayres to conservation science. Pp. 317-324 in *The Amazonian Varzea: The Decade Past and the Decade Ahead*. M. Pinedo Vasquez, M. Ruffino, C. J. Padoch, and E. Brondizio (eds.). New York: Springer.
- 2010 **Dávalos, L.M.** Earth history and the evolution of Caribbean bats. Pp. 96-115 in *Island bats: ecology, evolution, and conservation*. Fleming, T.H., and P.A. Racey (eds.). Chicago: University of Chicago Press.
- 2007 **Álvarez, M.D.** Environmental damages from illicit crops and processing of prohibited drugs in Colombia. Pp. 133-147 in *Extreme conflicts and tropical forests*. de Jong, W., D. Donovan, and A. Ken-ichi (eds.). Dordrecht: Springer.
- 2003 **Álvarez, M.D.** Forests in the time of violence: conservation implications of the Colombian war. Pp. 49-70 in *War and tropical forests: conservation in areas of armed conflict*. Price, S.V. (ed.). Food Products Press, New York. Cross-published in journal.

**Editor-reviewed contributions (15 published)**

- 2016 Bussink, C., C. Carpentier, **L. M. Dávalos**, P. Davis, A. Duran-Martinez, N. Eichinger, J. Flanders, A. Korenblik, S. Levissianos, D. Macdonald, K. Niaz, T. Pietschmann, M. Raithelhuber, C. W. Saloga, J. Tettey, F. V. Laenen, and A. Vella. The world drug problem and sustainable development. Pp. 63-94 in UNODC, ed. *World Drug Report 2016*. UNODC, Vienna.
- 2012 Donegan, T., **L. Dávalos**. An apparent hybrid *Heliodoxa* hummingbird from the West Andes of Colombia. *Conservación Colombiana* (17), 20–25.
- 2010 Romero, C., **L. Dávalos**, M. Castro, D. Armenteras, J. García. El Callejón de los Milagros. *Semana* (1492) 4 December 2010.
- 2008 **Dávalos, L.M.**, A.C. Bejarano. Conservation in conflict: Illegal drugs versus habitat in the Americas. *State of the Wild 2008–2009: A global portrait of wildlife, wildlands, and oceans*. Pp. 218–225 in Fearn, E., (ed.). Washington, D.C.: Island Press.
- 2005 **Dávalos, L.M.** Bats of Puerto Rico. *Caribbean Journal of Science* 41(4), 882-883.
- 2005 **Álvarez, M.D.** Guerrillas in the midst. *Conservation Biology* 19(6), 2040-2043.
- 2005 **Álvarez, M.D.** Colombia: the many faces of the war. *ETFRN Newsletter* 43/44, 63-65
- 2004 **Dávalos, L.M.** and R. Eriksson. *Epicrates subflavus* (Jamaican Boa). Foraging behavior. *Herpetological Review* 35(1), 66.
- 2001 **Álvarez, M.D.** Serranía de San Lucas, Sur de Bolívar: ¿Habrá futuro?. *ACODAL* 194, 13-17.
- 2001 **Álvarez, M.D.** Daños ambientales por cultivos ilícitos y procesamiento de drogas prohibidas en Colombia.

- ACODAL 193, 7-16.
- 2001 **Álvarez, M.D.** Forests under fire. *North American Congress on Latin America [NACLA] Report on the Americas* 35(1), 29-34.
- 2000 **Dávalos, L.M.** La perspectiva ambiental en la mesa de diálogo. *El Tiempo* (Bogotá) 1 September 2000.
- 2000 **Dávalos, L.M.** El Futuro de los bosques de Colombia: será la paz peor que la guerra? *El Tiempo* (Bogotá) 21 August 2000.
- 1999 Porzecanski, A.L., R. Sears, T. Grant, L. Putzel, **L. Dávalos**, T. Barnes, H. Cross, G. Raygorodetsky, B. Simmons, P. Chasek. Access to Genetic Resources: An Evaluation of the Development and Implementation of Recent Regulation and Access Agreements. *School of International and Public Affairs Columbia University Environmental Policy Studies Working Paper #4*, 114 pp.
- 1998 Salaman, P.G., T.M. Donegan, A.M. Cuervo, D.E. Davison, **L. Dávalos**. Birds- Aves. *Colombian EBA Project Report Series, Colombia '98: expedition to Serranía de los Churumbelos* 1, 17-21.

### Abstracts and short-form publications (27 published)

- 2019 **Dávalos, L.M.** [Discovering the steps to phenotype loss: the case of bat opsins](#). *Nature Ecology and Evolution Community Post* 16 January 2017.
- 2017 **Dávalos, L.M.** [Long-Term Diversity Equilibrium on Islands in a Rapidly Changing World](#). *Nature Ecology and Evolution Community Post* 9 January 2019.
- 2016 Moore, M.S., G.M. Poterewicz, **L.M. Dávalos**. Genomic Inventories of Bat Antimicrobial Peptides: Implications for Resistance to White-nose Syndrome. *Integrative and Comparative Biology* 56, E152-E152.
- 2016` Yohe, L.R., K. Davies, S.J. Rossiter, **L.M. Dávalos**. Selection on the sniffer: olfactory receptor evolution shows association with diet. *Integrative and Comparative Biology* 56, E246-E246.
- 2015 Herrera, J.P., O.M. Warsi, **L.M. Dávalos**, L. Tongasoa, P.C. Wright. The Critically Endangered *Cheirogaleus sibreei* is Discovered in High Elevation Forests In Ranomafana National Park And The Cofav Corridor, Southeast Madagascar. *American Journal of Primatology* 77, 95-95.
- 2014 Sbeglia, G.C., D.E. Dykhuizen, P.C. Wright, **L.M. Dávalos**. Socially facilitated *E. coli* transmission in ringtailed lemurs (*Lemur catta*): Social relationships that promote and prevent the spread of disease. *American Journal of Physical Anthropology* 153, 230-230.
- 2012 Dumont, E.R., **L.M. Dávalos**, A. Goldberg, S.E. Santana, K. Rex, C.C. Voigt. Cranial Morphology, Feeding Performance and Diversification in New World Leaf-Nosed Bats. *Integrative and Comparative Biology* 52, E49.
- 2012 A. Martin, **L.M. Dávalos**, W. Lancaster, A.L. Russell, M. Woller-Skar, A. Corthals. A Comparison of DNA Yields from Different Tissue Types and Storage Media. *Bat Research News* 53(4), 94.
- 2012 **Dávalos, L.M.**, N. Wei, A.L. Russell. Ecological Release and Genetic Signatures of Population Growth in Antillean *Artibeus jamaicensis*. *Bat Research News* 53(4), 78-79.
- 2011 Corthals, A.S.P., **L. Dávalos**, D.W. Martin, R. Rieger, E.I. Chen, A. Koller. Detecting Immune System Response Proteins in a 500 Year-old Inca Mummy. *Journal of Biomolecular Techniques* 22, S64.
- 2011 **Dávalos, L.M.**, A.L. Russell. False Positive and False Negative Error Rates in Mitochondrial Species Delimitation. *Bat Research News* 52(4), 69.
- 2011 Velazco, P.M.°, N.B. Simmons, **L.M. Dávalos**. Combined Analyses of Extant and Fossil Phyllostomid Bats (Chiroptera, Phyllostomidae). *Bat Research News* 52(4), 109.
- 2011 Russell, A., W.C. Lancaster, B. Lei, **L.M. Dávalos**. Genetic Demography of *Pteronotus parnellii* Reveals Historic Isolation of Island Populations. *Bat Research News* 52(4), 98.
- 2011 Proffitt, J., N.B. Simmons, P.M. Velazco°, **L.M. Dávalos**. Evolutionary Relationships of Living and Fossil Vampire Bats. *Bat Research News* 52(4), 94.
- 2009 Wetterer, A.L.°, **L.M. Dávalos**, J.H. Geisler, N.B. Simmons. Revisiting phyllostomid bat phylogeny: a combined analysis of morphological and molecular data. *Bat Research News* 50(4), 153.
- 2009 Simmons, N.B., P.D. Smits, P.M. Velazco°, G.F. Gunnell, **L.M. Dávalos**. A new approach to studying dental evolution. *Bat Research News* 50(4), 142-143.
- 2009 Lancaster, W.C., A.L. Russell, Y. León, M.S. Núñez, **L.M. Dávalos**. Constant frequency call as as

- determinants of divergence between Antillean populations of *Pteronotus parnellii* (Mormoopidae). *Bat Research News* 50(4), 118-119.
- 2009 Goldberg, A., A.L. Russell, Y. León, M.S. Núñez, **L.M. Dávalos**. How to store Mammalian tissues for DNA-based analyses in tropical field conditions. *Bat Research News* 50(4), 108.
- 2009 **Dávalos, L.M.**, A.L. Russell. Island area change, not species range, explains bat extinction in the West Indies. *Bat Research News* 50(4), 101-102.
- 2008 **Dávalos, L.M.**, A.L. Russell. A quantitative approach to historical ecology of the West Indies: *Artibeus jamaicensis*. *Bat Research News* 49(4), 113-114.
- 2008 Russell, A.L., **L.M. Dávalos**. Dynamics of gene flow and extinction in island metapopulations under climate change: model discrimination through population genetic simulations. *Bat Research News* 49(4), 166-167.
- 2007 **Dávalos, L.M.**, V.d.C. Tavares. Merging Historical and Ecological Biogeography for the Short-faced Bats. *Bat Research News* 44(4), 199.
- 2007 **Dávalos, L.M.**, A. Tejedor. Natalid Dispersal with Conserved Niches. *Bat Research News* 44(4), 199.
- 2003 **Dávalos, L.M.** Historical biogeography of the bats of the West Indies. *Bat Research News* 44(4), 134.
- 2002 **Dávalos, L.M.**, V.d.C. Tavares. A total evidence phylogenetic hypothesis for the relationships among Short-Faced bats (Phyllostomidae: Stenodermatina). *Bat Research News* 43(4), 144.
- 2001 **Dávalos, L.M.** Species limits and the historical biogeography of the Antillean endemic Genus *Brachyphylla*. *Bat Research News* 42(4), 149-150.
- 1999 **Dávalos, L.M.**, S.A. Jansa. Molecular phylogeny of the New World bat genus *Lonchophylla*. *Bat Research News* 40(4), 168.

#### Media (Original reporting, no press releases or newswire)

---

- 2019 Paz, A. Día Internacional de los Bosques Tropicales: ecosistemas en máxima alerta. *Mongabay LatAm* 26 June <https://es.mongabay.com/2019/06/dia-internacional-de-los-bosques-tropicales/>
- 2019 Power, M. Your Drug Habit Is Destroying the Planet. *Vice* 29 May [https://www.vice.com/en\\_us/article/j5wjwp/your-drug-habit-is-destroying-the-planet](https://www.vice.com/en_us/article/j5wjwp/your-drug-habit-is-destroying-the-planet)
- 2019 Paz, A. “Luego del acuerdo con las Farc, los conflictos ambientales cambiaron pero no desaparecieron” *Semana Sostenible* 4 May <https://tinyurl.com/yy2vn2bj>
- 2019 Dunavin, D. What Could The Tiny Shrew Teach Us About Science’s Biggest Questions? *WSHU Public Radio* 22 April <https://tinyurl.com/yyufppe3>
- 2019 Zeller, G. Honey, I shrunk the shrew (and maybe your kidney). *InnovateLI* 15 April <http://www.innovateli.com/honey-i-shrunk-the-shrew-and-maybe-your-kidney/>
- 2019 Smith, A. Eco-friendly drug dealers are now selling cocaine in reusable plastic vials. *Metro* 7 January <https://tinyurl.com/yb4ymf2a>
- 2018 Bates, T. How peace with FARC threatens Colombia’s forests. *Futurity* 12 September <https://www.futurity.org/colombia-farc-deforestation-1930522-2/>
- 2018 Rodríguez Mega, E. From Fog of War to Flames of Peace—Wildfires Surge in Post-FARC Colombia. *Scientific American* 26 November <https://www.scientificamerican.com/article/from-fog-of-war-to-flames-of-peace-wildfires-surge-in-post-farc-colombia/>
- 2018 Silva, S., H. Calle. Colombia le dice adiós a sus selvas. *Semana* 29 September <https://www.semana.com/nacion/articulo/colombia-le-dice-adios-a-sus-selvas/585144>
- 2018 Rodríguez, N. El Estado aplazado. *El Espectador* 20 July <https://www.elespectador.com/opinion/el-estado-aplazado-columna-801373>
- 2018 Haupt, R. Episode 278 | LOST. Science... sort of (podcast) 15 March <https://tinyurl.com/yaye2jds>
- 2018 Calle, H. La catalana que estudia los incendios forestales en Colombia. *El Espectador* 18 February <https://tinyurl.com/y797wtjg>
- 2018 Kobilinsky, D. Omnivorous bats have better evolutionary success. *The Wildlife Society* 14 February <http://wildlife.org/omnivorous-bats-have-better-evolutionary-success/>
- 2018 Mowbray, S. Trumping Colombia’s peace: U.S. drug war threatens fragile accord, forests. *Mongabay* 5

- February <https://tinyurl.com/yb9f2zez>
- 2017 Sen, M. Is Cocaine Vegan? It Depends on Who You Ask. *Vice Munchies* 29 November [https://munchies.vice.com/en\\_uk/article/zmzjnw/is-cocaine-vegan-it-depends-on-who-you-ask](https://munchies.vice.com/en_uk/article/zmzjnw/is-cocaine-vegan-it-depends-on-who-you-ask)
- 2017 Sheridan, K. Giant Caribbean sloths disappeared in extinction that also killed off monkeys and giant rodents. *Newsweek* 13 November <https://tinyurl.com/yck2bkfn>
- 2017 *The Scientist* Staff. Image of the Day: The Last Sloth. *The Scientist* 16 November <https://www.the-scientist.com/?articles.view/articleNo/50960/title/Image-of-the-Day--The-Last-Sloth/>
- 2017 Pearce, F. Human arrivals wiped out the Caribbean's giant ground sloths. *New Scientist* 10 November <https://www.newscientist.com/article/human-arrivals-wiped-caribbeans-giant-ground-sloths/>
- 2017 Bermúdez-Liévano, A. Cocaine Farmers Are Hunting for an Alternative. *Vice* 7 November [https://www.vice.com/en\\_us/article/ywbxw/cocaine-farmers-are-hunting-for-an-alternative](https://www.vice.com/en_us/article/ywbxw/cocaine-farmers-are-hunting-for-an-alternative)
- 2017 Weisberger, M. Humans Doomed Caribbean's 'Lost World' of Ancient Mammals. *LiveScience* 7 November <https://www.livescience.com/60870-caribbean-lost-world-ancient-mammals.html>
- 2017 Mychajliw, A. On the extinction (and survival) of Caribbean mammals. *Nature Ecology and Evolution Behind the Paper* 6 November <https://tinyurl.com/y9nkech8>
- 2017 Rodríguez Mega, E. Cocaine trafficking is destroying Central America's forests. *Science* 16 June <http://www.sciencemag.org/news/2017/06/cocaine-trafficking-destroying-central-america-s-forests>
- 2017 Webster, M. A job well done. *Grand Valley Lanthorn* 12 April <http://www.lanthorn.com/article/2017/04/student-scholars-day-presentations>
- 2017 Le Page, M. Coca's role in killer slide. *New Scientist* 5 April <https://tinyurl.com/k6agxsv>
- 2017 Cardona, V. Planes de desarrollo inconclusos favorecen deforestación y cultivos de coca. *UN Periódico* 17 March <https://tinyurl.com/l29afrr>
- 2017 Vernes, S. The bat blueprint. *On Biology* 8 March <https://blogs.biomedcentral.com/on-biology/2017/03/08/the-bat-blueprint-bat1k/>
- 2017 Grosser, D. Registration opens for Student Scholars Day. *Grand Valley Lanthorn* 15 February <http://www.lanthorn.com/article/2017/02/student-scholars-day-2017>
- 2017 Ray, F. Ecologist Special Report: Ecological Conservation in Post-Conflict Colombia. *The Ecologist* 10 February <https://tinyurl.com/zjqcboy>
- 2017 Dunaief, D. SBU'S Dávalos living her dream job. *TBR NewsMedia* 3 February <http://tbrnewsmedia.com/sbus-davalos-living-her-dream-job/>
- 2017 Kaiser, S. Equilibrium A Distant Dream for Island Bats. *Island Conservation* 27 January <https://www.islandconservation.org/8-million-years-equilibrium-diversity/>
- 2017 Anonymous. In praise of bats. *Nature Ecology and Evolution* 24 January 1:0071 <http://www.nature.com/articles/s41559-017-0071>
- 2016 Gaworecki, M. Failed economic development plans drive deforestation in Andean Amazon. *Mongabay.com* 20 October <https://news.mongabay.com/2016/10/failed-economic-development-plans-drive-deforestation-in-andean-amazon/>
- 2016 Anonymous. Proyectos de infraestructura, mayores deforestadores del amazonas. *El Tiempo* 30 septiembre <http://tinyurl.com/jbqm797>
- 2016 Arsenault, C. Don't blame cocaine for South American forest loss, study says. *Reuters* 28 September <http://www.reuters.com/article/us-latam-environment-landrights-idUSKCN11Y2HY>
- 2016 Anonymous. Cocaine Not to Blame for Western Amazon Forest Loss, Study Says. *Voice of America News* 28 September <http://tinyurl.com/j6ufosy>
- 2016 Dollinger, A. Devouring 1,000 Mosquitoes an Hour, Bats Are Now Welcome Guests as Zika Fears Rise. *New York Times* 4 July <http://www.nytimes.com/2016/07/05/nyregion/devouring-1000-mosquitoes-an-hour-bats-are-now-welcome-guests-as-zika-fears-rise.html>
- 2016 Montanari, S. A New Family Tree For One Of The World's Most Endangered Mammals. *Forbes /Science* 25 April <http://tinyurl.com/jk86auw>
- 2016 Howard, J. An Exhaustive Lemur Family Tree Sheds Light On These Rare, Threatened Primates. *HuffPost Science* 25 April <http://tinyurl.com/h7podbs>
- 2016 Anonymous. Especiação dos morcegos noctilionoídeos do Novo Mundo ocorreu, afinal, antes do Quaternário. *Correio da Beira Serra* 15 February. <http://tinyurl.com/zrs5klm>
- 2016 Velasquez, R. Deforestación amenaza la serranía de San Lucas. *El Colombiano* 9 February.

- <http://www.elcolombiano.com/medio-ambiente/deforestacion-amenaza-la-serrania-de-san-lucas-KJ3568378>
- 2015 Mathewson, S. Ancient Dental Records Suggest Nectar-Drinking Bat Was Actually Omnivorous. *Nature Worlds News* 26 November <http://tinyurl.com/nguvbh5>
- 2015 O'Neill, B. Under the Microscope: tooth analysis shows how bat diet evolved. *The Statesman* 24 November <http://tinyurl.com/qz6ohuc>
- 2015 Velasquez, R. Monocultivo salvaje. *El Colombiano* 18 September. <http://www.elcolombiano.com/monocultivo-salvaje-JD2731218>
- 2015 Velasquez, R. 37.000 km<sup>2</sup> deforestados en solo 13 años. *El Colombiano* 1 September. <http://www.elcolombiano.com/37-000-km2-deforestados-en-solo-13-anos-JX2635964>
- 2015 Villano, J. La palma africana y sus afectaciones. *pulzo* 18 August <http://www.pulzo.com/opinion/la-palma-africana-y-sus-afectaciones/392766>
- 2015 Anonymous. Peor que la coca. *Semana* 15 August <http://www.semana.com/confidenciales/articulo/el-ultimo-estudio/438679-3>
- 2015 O'Neill, S. Cocaine is bad for Colombia's forest but big farming is worse. *New Scientist* 8 August. <https://tinyurl.com/p6voafz>
- 2015 Moylan, E. Axios Review – a different route to peer review. *BioMed Central blog* 27 May. <http://blogs.biomedcentral.com/bmcblog/2015/05/27/axios-review-different-route-peer-review/>
- 2015 Le Page, M. Home-brew heroin: soon anyone will be able to make illegal drugs. *New Scientist* 20 May. <https://www.newscientist.com/article/mg22630224-400-home-brew-heroin-soon-anyone-will-be-able-to-make-illegal-drugs/>
- 2015 Murray, D. It's not just sport stars using cocaine, it's also the drug of choice for well-heeled mums and dads. *Courier Mail* 28 February.
- 2014 Rockett, C. The full reach of addiction. *Boulder Weekly* 23 October <http://www.boulderweekly.com/article-13524-the-full-reach-of-addiction.html>
- 2014 Dybas, C. Whither the diversity of life on Earth? NSF, partners award \$23 million for studies of planet's biodiversity? *NSF News* 10 September [http://www.nsf.gov/news/news\\_summ.jsp?cntn\\_id=132506](http://www.nsf.gov/news/news_summ.jsp?cntn_id=132506)
- 2014 AMNH. Helping Fossils Find Their Place in the Tree of Life. *AMNH News* 9 May <http://tinyurl.com/kbwtdh8>
- 2014 Baral, S. Earth Day 2014: Find Out What Environmental Problems 20 Latin American Countries Face. *Latin Times* 22 April <http://tinyurl.com/knzvwx6>
- 2014 Anonymous. Scientists study bats to understand how we smell. *Farm and Dairy* 13 March <http://tinyurl.com/l5bp8k8>
- 2014 Smith, B. The Emotional Center Of Bat Brains Gives Insight Into Our Own Cognitive Processes. *redOrbit* 6 March <http://tinyurl.com/khh5m6b>
- 2014 Smith, B. Study Of Olfaction In Fruit-Eating Bats Could Shed Light On Our Own Sense Of Smell. *redOrbit* 4 March <http://tinyurl.com/my5zr9g>
- 2014 Velasquez, R. Ganadería improductiva deforesta la Amazonia colombiana. *El Colombiano* 3 March <http://tinyurl.com/m553jeo>
- 2014 Dybas, C. By dark of night, how do bats smell their way to fruit? *NSF Discovery* 3 March [http://www.nsf.gov/discoveries/disc\\_summ.jsp?cntn\\_id=130600&org=NSF&from=news](http://www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=130600&org=NSF&from=news)
- 2014 Locklear, M. Under the microscope: vegetarian bats. *Stony Brook Statesman* 25 February <http://sbstatesman.com/2014/02/25/under-the-microscope-vegetarian-bats/>
- 2014 Boyle, R. Like Darwin's Finches, But Weirder, Bat Faces Showcase Amazing Adaptations. *Eek Squad* a Popular Science Blog 7 February <http://tinyurl.com/p6ytub6>
- 2014 Ahlstrom, D. Scientist using bats to understand sense of smell. *The Irish Times* 29 January <http://tinyurl.com/ogp2fus>
- 2013 Byrne, M. PLOS ONE goes to the Mile-high city for ASM 2013. *EveryONE* 15 May <http://blogs.plos.org/everyone/2013/05/15/plos-one-goes-to-the-mile-high-city-for-asm-2013/>
- 2013 Anonymous. Experto en biodiversidad responde dudas a lectores de @elespectador. *El Espectador* 21 February <http://tinyurl.com/a95wfc8>
- 2012 Goldman, J.G. The best animal stories of 2012. *The Thoughtful Animal* 28 December <http://tinyurl.com/n9ydobf>



- 2012 Newitz, A. What destroyed the bats of the Caribbean? *Discovery News* 13 November <http://news.discovery.com/animals/bats-caribbean-sea-level-121113.html>
- 2012 Newitz, A. Solving the ancient mystery of what destroyed the bats of the Caribbean. *io9* 12 November <http://tinyurl.com/bs7l6so>
- 2012 Dunning, H. Pneu-mummy-a: Comparing the protein profile of a 500-year-old Inca mummy to modern humans reveals an active lung infection prior to sacrifice. *The Scientist* 1 November <http://www.the-scientist.com/?articles.view/articleNo/32944/title/Pneu-mummy-a/>
- 2012 AMNH. New Study: Nectar-drinking Traits in Bats Evolved More Than Once. *News and Blogs* 26 September <http://tinyurl.com/cnk9hb7>
- 2012 possum. Science Tidbits. *Daily Kos* 20 August <http://tinyurl.com/m44utlk>
- 2012 Lamb, E. Mummy Had Lung Infection, Technique Reveals. *Scientific American 60-second Science* 14 August <http://tinyurl.com/kal55ra>
- 2012 Reuters. Novel approach finds lung infection in 500-year-old mummy. *Reuters TV* 10 August <http://tinyurl.com/9tqd5cr>
- 2012 Klink, S. Protein Profiling of a Lung Infection in a 500-Year-Old Mummy. *Promega Connections* 10 August <http://tinyurl.com/9p3bybt>
- 2012 Anonymous. Diagnosticon enfermedad a una momia incaica de 500 años. *Paleorama*. 5 August <http://tinyurl.com/9mjs8ob>
- 2012 Bhanoo, S.N. Disease Diagnosed in a 500-Year-Old Mummy. *New York Times* 31 July p. D3 <http://www.nytimes.com/2012/07/31/science/disease-diagnosed-in-500-year-old-mummy.html>
- 2012 Coyne, J. Ancient sacrificed children studied for infection. *Why Evolution is True* 28 July <http://tinyurl.com/borredt>
- 2012 Berezow, A. How to Detect a Mummy's Immune Response. *NewtonBlog* 27 July <http://www.realclearscience.com/blog/2012/07/how-to-detect-a-mummys-immune-response.html>
- 2012 Whyte, C. Ancient Inca Mummy had Lung Infection at Time of Sacrificial Death. *International Science Times* 27 July <http://tinyurl.com/bw4y2t2>
- 2012 Barribeau, T. What was this mummy sick from? Now we know [updated]. *io9* 27 July <http://io9.com/5929119/what-did-this-mummy-die-of>
- 2012 Maugh, T.H. 500-year-old Incan mummy had lung infection, probably TB. *Los Angeles Times* 27 July <http://tinyurl.com/c2qubbl>
- 2012 George, K. 'Maiden' Inca mummy suffered lung infection before sacrifice. *Empower Network* 27 July <http://tinyurl.com/cl8bmdq>
- 2012 Redacción. Detectan infección pulmonar en una momia inca de 500 años. *BBC Mundo* 26 July [http://www.bbc.co.uk/mundo/noticias/2012/07/120726\\_momia\\_proteina.shtml](http://www.bbc.co.uk/mundo/noticias/2012/07/120726_momia_proteina.shtml)
- 2012 Anonymous. Exclusivo: descubren cómo falleció "La Doncella" de Llullaillaco exhibida en Salta. *Contexto* 26 July <http://tinyurl.com/c57nnpz>
- 2012 Waugh, R. Incan mummy frozen after human sacrifice still has infection in lungs after 500 years - giving new insight into diseases of the past. *UK Daily Mail Online* 26 July <http://tinyurl.com/cbtd2nn>
- 2012 Saey, T.H. Maiden shows signs of TB-like infection. *Science News* 26 July <http://tinyurl.com/cphsaar>
- 2012 Anonymous. Ancient Mummy Shows Person Had Lung Infection at Time of Death. *Popular Archaeology* 25 July <http://tinyurl.com/bmezdt6>
- 2012 Castro, J. 'Maiden' Inca Mummy Suffered Lung Infection Before Sacrifice. *LiveScience* 25 July <http://www.livescience.com/21849-maiden-inca-mummy-suffered-lung-infection.html> Reproduced by *The Huffington Post* <http://tinyurl.com/bl74t9x>
- 2012 Brogden, R. The glamour drug responsible for Colombian rainforest destruction. *Deforestation and GIS* 12 May <http://tinyurl.com/a3xb8y6>
- 2011 Anonymous. Chauves-souris, niches écologiques et nouvelles espèces. *Maxisciences.com* 4 December <http://tinyurl.com/6v5mpda>
- 2011 McDonald, R. A Bat's Skull Determines Its Diet. *Quirks and Quarks* 3 December [http://cbc.ca/quirks/media/2011-2012/qq-2011-12-03\\_04.mp3](http://cbc.ca/quirks/media/2011-2012/qq-2011-12-03_04.mp3)
- 2011 Anonymous. Evolution: Big bites help bats diversify. *Nature* 480(8): 8. <http://www.nature.com/nature/journal/v480/n7375/full/480008c.html>
- 2011 Álvarez, G. Dos estudios sobre la evolución muestran cómo ocurren cambios estructurales. *SinDioses.org*

- 30 November <http://www.sindioces.org/noticias/murcielagos.html>
- 2011 Schmidt, M. Fledermäuse: Artenexplosion dank Beißkraft. *EXtremnews.com* 28 November <http://www.extremnews.com/nachrichten/natur-und-umwelt/e03e13b48fe5bf6>
- 2011 Reints, T. Bat Skull Morphology Provides Clues Into How Species Diversify. *Naturallyselected.org* 25 November <http://tinyurl.com/7fa4y56>
- 2011 De Winter, G. Bat Skulls And Evolution. *Science 2.0* 24 November [http://www.science20.com/curious\\_cub/bat\\_skulls\\_and\\_evolution-84964](http://www.science20.com/curious_cub/bat_skulls_and_evolution-84964)
- 2011 Welsh, J. Short Snouts Gave Fruit Bats a Forceful Bite. *LiveScience* 23 November <http://www.livescience.com/17173-bat-skull-evolution-fruit.html>
- 2011 Newitz, A. One fifth of all mammals are bats. Here's why. *io9* 23 November <http://tinyurl.com/chbwcv>
- 2011 Martin, G. The Ecology of Conflict. *California Magazine* Fall <http://alumni.berkeley.edu/news/california-magazine/fall-2011-good-fight/ecology-conflict>
- 2011 Siegle, L. The end of the line: Does cocaine abuse has an ethical impact?. *The Observer* 21 August <http://www.guardian.co.uk/environment/2011/aug/21/lucy-siegle-cocaine-abuse-ethical>
- 2011 Peters, J. DEFORESTATION: Study shows how coca production drives deforestation in Colombia. *Climatewire* 29 April (subscribers only) <http://www.eenews.net/climatewire/2011/04/29/3/> Reproduced by *Scientific American* at <http://tinyurl.com/3vhus45>
- 2011 Aguilar, E. Las plantaciones de coca influyen de forma indirecta en la deforestación de los bosques. *DiCyT* 1 April <http://tinyurl.com/4yo9kcs>
- 2011 Velasquez, R. Tala selectiva en la selva de Bahía Solano. *El Colombiano* 21 March <http://tinyurl.com/3hnhqok>
- 2011 Anonymous. Los Bosques de Colombia. *El País* (Cali) 25 February <http://www.elpais.com.co/elpais/opinion/editorial/bosques-colombia>
- 2011 Sørensen, L. Kokain ødelegger regnskogen. *Forskning.no* 23 February <http://www.forskning.no/artikler/2011/februar/280055>
- 2011 Anonymous. Colombia ha perdido en bosques el equivalente a dos veces y media la isla de Jamaica. *Semana.com* 22 February <http://tinyurl.com/4g6ohyw>
- 2011 Handwerk, B. Cocaine to Blame for Rain Forest Loss, Study Says. *National Geographic Daily News* 18 February <http://tinyurl.com/3z8ryds>
- 2011 Dan, O. Cererea mare de cocaină distruge pădurile din Columbia. *evz.ro* 16 February <http://tinyurl.com/3cybh4q>
- 2011 Anonymous. El cultivo ilegal de coca aumenta la destrucción de las selvas de Colombia. *Agencia EFE* (Newswire) 11 February <http://tinyurl.com/3b4dbny>
- 2011 Woods, M. Cocaine production increases destruction of Colombia's rainforests. *ACS PressPac* and podcast 9 February <http://tinyurl.com/3exhohn>
- 2011 Anonymous. Déforestation: la production de cocaïne nuit à la biodiversité. *Maxisciences.com* 5 February <http://tinyurl.com/d58jeot>
- 2011 Velasquez, R. La coca se chupa la savia de la selva amazónica. *El Colombiano* 4 February <http://tinyurl.com/45tsyw5>
- 2011 Miserey, Y. La coca grignote la forêt colombienne. *Le Figaro* 2 February <http://tinyurl.com/4qnh6sx>
- 2011 Anonymous. Report: Cocaine Production Increases Destruction of Colombia's Rainforests. *Voice of America* *VOANews.com* 31 January <http://tinyurl.com/3kfd4ns>
- 2011 Sohn, E. Cocaine killing forests in Colombia. *Discovery News* 28 January <http://news.discovery.com/earth/cocaine-deforestation-colombia-110128.html>
- 2011 Supelano, G. El otro precio de la coca. *El Espectador* 27 January <http://www.elespectador.com/impreso/vivir/articulo-247302-el-otro-precio-de-coca>
- 2011 Kirkland, E. Cocaine production killing Colombia's rainforests. *mongabay.com* 24 January [http://news.mongabay.com/2011/0123-coca\\_kirkland.html](http://news.mongabay.com/2011/0123-coca_kirkland.html)
- 2011 Pala, C. Coca Farming Linked To Deforestation In Colombia, *Chemical and Engineering News* 20 January DOI: 10.1021/CEN010411144514
- 2009 Kettles, N. How much rainforest does it take for one celebrity to snort another one under the table?. *The Ecologist* 39(4), 14-21.
- 2009 Kettles, N. Les people se droguent, les forets se meurent. *Courrier International* 9 March

- <http://tinyurl.com/4xsgfmd>  
 2008 Lingenhöhl, D. Kokain-Produktion zerstört den Regenwald. *Sueddeutsche.de* 3 July  
<http://tinyurl.com/4x98khh>  
 2008 Axt, B. Snort coke, shaft the environment, say boffins. *The Register* 30 March  
[http://www.theregister.co.uk/2008/03/30/cocaine\\_environment\\_threat/](http://www.theregister.co.uk/2008/03/30/cocaine_environment_threat/)  
 2006 Aldhous, P. Drugs, crime, and a conservation crisis. *New Scientist* (2567), 3.  
 2002 Rodríguez, J.P. and K.M. Rodríguez-Clark. Drug crops threaten Colombian birds. *Trends in Ecology and Evolution* 17(9), 406.  
 2002 Withgott, J. Of Drugs, Forests, and Birds. *Science Now* 31 July <http://tinyurl.com/n2oa7ze>  
 2002 Illicit crops and bird conservation priorities in Colombia. *news@nature.com* 2 August  
<http://www.nature.com/news/2002/020802/full/news020729-11.html>  
 2002 Gómez, A. And M. Lenis. Conocimiento sin fronteras. *La Tadeo* 67(1), 172-176.  
[http://www.utadeo.edu.co/dependencias/publicaciones/tadeo\\_67/67172.pdf](http://www.utadeo.edu.co/dependencias/publicaciones/tadeo_67/67172.pdf)  
 2002 Hecht, J. Ecological hotspots named as latest casualties in Colombia's drugs war. *New Scientist* 175(2354), 10.  
 2000 Milius, S. When biologists get bombed. *Science News* 158(5), 78-79.  
 2000 Kaimowitz, D. More on war: the fight for Colombia's jungle. *POLEX* 14 September  
<http://tinyurl.com/6afsqtm>  
 1998 Graham, W. Birds of Prey. *Outside Magazine* 01 September  
<http://www.outsideonline.com/1886376/birds-prey>  
 1998 Pratt, T. From the Andes to Epcot, the adventures of an 8,000 year-old bean. *New York Times* 19 May  
<http://tinyurl.com/l7drwbj>

## University Teaching

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### *Undergraduate courses taught at SUNY Stony Brook*

4.0 credits	Statistics and Data Analysis: A Conceptual Approach, BIO 211, Fall 2017-current
3.0 credits	Conservation Biology, BIO 336 offered first Spring 2010, then Fall 2010-current
1.5 credits/instructor	General Ecology, BIO113 (with D. Padilla) 2010

### *Undergraduate Research Supervising (molecular and bioinformatics lab) and Mentoring*

Spring-Spring 2019	Sarah Heder
Summer-Fall 2018	Kaitlyn Malewicz
Summer 2017	Yakov Pichkar
Fall 2014-Spring 2017	John Navilio
Spring 2014-Spring 2016	Greg Poterewicz
Summer 2015-Spring 2016	Ramatu Abubakar (SBU), Sanah Afzal (John Jay College), Margarita Bartasunaite (John Jay College), Bhavana Patil (SBU)
Spring 2013	Rachel Lohrdal (Anthropology program)
Fall 2012-Spring 2013	Yesha Shah
Fall 2012-Spring 2013	Donald J. Pantino
Summer 2010-Fall 2010	Melissa Zheng
Spring 2010	Alexander Lucaci
Spring 2010	Tiffany Wang
Fall 2009-Spring 2011	Anne Szeto
Fall 2009-Spring 2010	Rosa Guerrero
Spring 2009	Co-advised undergraduate engineering students Muhammad Hussain, Kevin Li and Jawad Rana, 3rd place winners of the 2009 Ureca! Competition

### *Graduate courses and seminars taught*

Intensive 3 3-hr –session	Taller de escritura científica en ecología y biología evolutiva (Scientific writing workshop)
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workshop	for ecology and evolutionary biology) 11-12 March 2019 at Universidad Nacional of Colombia. With Danny Rojas and Laurel Yohe.
2.0 credits	Seminar on the ecology and evolutionary biology of early state formation, BEE 692 2018
4 lectures on phylogenetics	Principles of Evolution BEE551 Fall 2013
Intensive 3 8-hr day workshop	Análisis Espacial para la Conservación de la Biodiversidad y Manejo de Paisajes Tropicales (Spatial Analysis for Biodiversity Conservation and Tropical Landscape Management) 8-10 July 2013 at Universidad Nacional of Colombia
2 lectures	Principles of Evolution BEE551 Fall 2012
2.0 credits/person	Principles and Applications of Ecology and Evolution BEE 576 (currently with J. Gurevitch) offered every Fall 2011-2016
3.0 credits	Conservation Biology, BEE 572 offered Fall 2010-current
1.0 credit	Seminar on the evolutionary consequences of anthropogenic activities, BEE 692 (with W. Aguirre) 2009

*Dissertation and other advising*

Joined PhD Fall 2018	William Thomas, SBU-Ecology and Evolution
Joined PhD Fall 2017	Anna McPherran, SBU-Ecology and Evolution
Joined PhD Fall 2014	Kristjan Mets, SBU-Ecology and Evolution
Joined PhD Fall 2012	Fanny Cornejo , SBU-Anthropology Fanny Cornejo (SBU-Anthropology)
Joined PhD Fall 2008	M. Elise Lauterbur, SBU-Ecology and Evolution
E&E PhD, Fall 2018	Marisa Lim SBU-Ecology and Evolution (co-advised with C. Graham)
E&E MA, Spring 2018	Elizabeth Fitzgerald, SBU-Ecology and Evolution
E&E MA, Spring 2018	Alexander Lengers, SBU-Ecology and Evolution
E&E PhD, Spring 2017	Laurel Yohe, SBU-Ecology and Evolution
E&E MA, Spring 2017	Katherine (Katie) R. Martin, SBU-Ecology and Evolution
MSc, Fall 2014	Maria Alejandra Chadid, masters student at <i>Universidad Nacional</i> (Bogota, Colombia)
E&E MA, Spring 2014	Xiayou Zhang, SBU-Ecology and Evolution
E&E MA dropout Spring 2014	Shaelyn Bishop, SBU-Ecology and Evolution
E&E MA, Spring 2014	Samantha DelSerra, SBU-Ecology and Evolution
E&E MA, Spring 2014	Romain Dahan, SBU-Ecology and Evolution
E&E MA, Spring 2013	Genna Tudda, SBU-Ecology and Evolution
BSc, Spring 2011	Miguel Santiago Núñez, undergraduate student at <i>Universidad Autónoma de Santo Domingo</i> (UASD)
E&E MA, Spring 2011	Aaron Goldberg, SBU-Ecology and Evolution
E&E MA, Spring 2011	Amanda Crow, SBU-Ecology and Evolution
E&E MA, Spring 2011	Alison Onstine, SBU-Ecology and Evolution
Dissertation committees	David Carlson (SBU-E&E), James Herrera (SBU-Anthropology, graduated Spring 2015), Joseph Kelly (SBU-E&E), Maureen Lynch (SBU-E&E), Shannon Morgan (SUNY Albany, graduated Spring 2015), Miguel Pinto (CUNY-Graduate Center, graduated Fall 2014), Lisa Prowant (SBU-E&E), Vladimir Rojas (Universidad del Valle-Biology, graduated Fall 2012), Haeyeong Ryu (SBU-E&E, MA Fall 2016), Gena Sbeglia (SBU-E&E, graduated Spring 2017), Anusha Shankar (SBU-E&E, graduated Fall 2019), Nicolette Sipperly (SBU-E&E), Mihir Umarani (SBU-E&E), David Vanier (IDPAS), Nicolas Wiggenghauser (IDPAS)

*Postdoctoral supervising*

Summer 2017-Spring 2018	Dr. Laurel Yohe (NSF postdoctoral fellow at Yale University)
Spring 2013-Fall 2016	Dr. Danny Rojas (Assistant professor at Universidad Javeriana, Cali, Colombia)
Fall 2013-Summer 2015	Dr. Marianne Moore (Assistant professor at Arizona State University, Mesa)

*Lab rotation*

Fall 2009 Emmanuel Asare (Genetics program)

*Guest lectures*

Spring 2015 1 lecture and discussion to undergraduate student of Tembo: the Wildlife Conservation Society of Stony Brook University

Fall 2013 1 lecture in BEE585 Research Design and Analysis in Ecology and Evolution, instructor: Jessica Gurevitch

Spring 2013 1 lecture in Anthropology 360 Primate Conservation, instructor: Patricia Wright

Fall 2012 1 lecture in History 380 Topics in Latin American History, instructor: Paul Gootenberg

## Department Service

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Spring 2019 Chair, preliminary exam committee

Fall 2017 Evaluator for BIO204 Phylogenetics lab session

Fall 2012-present Department representative at Undergraduate Biology Executive Committee

Spring 2013-Fall 2015 Member, Masters program executive committee.

Fall 2012-Spring 2013 Member Ecology and Evolution Chair search committee

Summer 2012 Department representative at Howard Hughes Medical Institute and the National Academies Summer Institutes for Undergraduate Education

Spring 2012 Chair of PhD admissions committee

Fall 2011 Member faculty search committee, human genomics/genetics hire for Human Evolution UG major

Fall 2010-Spring 2011 ESAC (second year student advisory committee)

Spring 2010 Ecology and Evolution Strategic Planning Committee

Spring 2009 Ecology and Evolution Graduate Program Admissions committee

Fall 2008-current Member Steering Committee, SBU-BNL Center for Impacts of Regional Climate Change

## University Service

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Spring 2019 Member Dean's committee on Global Environment/Energy and Natural Resources

Spring 2018-Spring 2019 Member search committee joint TBI-E&E hire

Spring 2017 Lab selected for Stony Brook University promotional video "The Future is Now" [https://www.youtube.com/watch?v=J1Zg7\\_QT1zY](https://www.youtube.com/watch?v=J1Zg7_QT1zY)

Spring 2016-Spring 2017 Diversity Working Group

Fall 2016-Spring 2017 Member search committee joint GHI-E&E hire

Spring 2014 Tinker Grant Committee

Fall 2013 Interviewer of Global Health Initiative Director

Fall 2013 Globalization initiative writing committee member

Spring 2013 University-wide STEM committee

Spring 2013 Co-organizer with P. Gootenberg of Coca at the Crossroads Symposium (<http://tinyurl.com/kxgzuyr>), 3 April.

Spring 2013 Member STEM education initiative

Spring 2011 Chair in Panel 3: On Sustainability: Experiences, Essays, Programs in Stony Brook University Latin American & Caribbean Studies Center 10th Annual Graduate Conference 8 April

Fall 2010-current Co-organizer Latin American and Caribbean Studies Center Seminar Series

Spring 2010 Panel discussion of Communicating Science workshop 14 May

Spring 2010 Tinker Grant Committee

Fall 2008-2010      Member Steering Committee, SBU-BNL Center for Impacts of Regional Climate Change

## Community Service

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Summer 2014	Mentoring research of Alessondra Bruno, Courtney Cheng, Samantha DeRosa, Cameron Morales, and Yasin Perez, Long Island High School students
Fall 2012-Spring 2013	Mentoring research of volunteer and SBU UG graduate Brandon Baird
Fall 2012	Mentoring research of Syracuse UG student Jonah Rothleder
Summer 2013	Mentoring research of Gabrielle Donnelly, Samuel Gochman, Edward LI, Cameron Morales, and Yasin Perez, Long Island High School students
Summer 2012	Mentoring research of Elodia Caballero (admitted at Columbia University), Johana Peña, Zachary Rowe (admitted at Stony Brook University), and Nancy Wei (admitted at Northwestern University), Long Island High School students
Summer 2011	Mentoring research of Alexander Legakis (admitted at Cornell University), Long Island High School student
Summer 2010	Mentoring research of Bonnie Lei (admitted at Harvard University), southern California High School student, Siemens Regional Finalist 2010, Finalist Intel Science Talent Search 2011, 2 <sup>nd</sup> Grand Award Animal Sciences category at Intel International Science and Engineering Fair 2011
Summer 2010	Mentoring research of Laura Barger (admitted at University of Pennsylvania), Long Island High School student
Summer 2009-Summer 2010	Mentoring research of Peter Connell (admitted at SUNY College of Environmental Science and Forestry), Long Island High School student, semifinalist at the Long Island Junior Science and Humanities Symposium, NOAA "Taking the Pulse of the Planet" award at NYSSEF 2011
Spring 2010-Spring 2012	Mentoring research of volunteer Mark Hall
Fall 2009-Spring 2010	Mentoring research of Kendra Cornejo, High School student, Intel Science Talent Search Semifinalist 2011 (at Gurevitch lab)
Fall 2008-Fall 2009	Mentoring research of volunteer and SBU UG graduate Elizabeth Simola

## Professional Service

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2019-present	Bat Conservation International (BCI) Science Advisory Board member
Summer 2018	Convener with Sharlene Santana and Guillaume Chomicki of the symposium on ecological interactions at the II Joint Congress on Evolutionary Biology (Montpellier, France)
2017-present	Associate Editor, <i>Mastozoología Neotropical</i>
2017-present	Editor, <i>Quarterly Review of Biology</i>
January 2016-December 2019	Elected Council member, Society for Systematic Biology
Summer 2016	Convener with Elizabeth Dumont and Karen Sears of the bat sensory symposium at the 17 <sup>th</sup> International Bat Research Congress (Durban, South Africa)
2015-2016	Consultant for the United Nations 2016 World Drug Report <a href="#">thematic chapter on environmental sustainability</a>
Spring 2015	NSF Division of Environmental Biology Panelist
2013-2016	Associate Editor, <i>Quarterly Review of Biology</i>
Winter 2013	Chair of symposium on island biogeography at the International Biogeography Society biennial meeting in Miami, Florida
Fall 2012	NSF Division of Environmental Biology Panelist
2012	Guest Lecturer in Topics in Global Change, graduate course convened by T. Mitch Aide at the University of Puerto Rico, Rio Piedras. Responsible for 2 1.5-hr lectures (9 and 11 April), and 1

	3.5-hr workshop (13 April).
2012	27-28 March Socio-Environmental Synthesis Center (SESYNC) Theme Meeting participant
2012-2018	Associate Editor, <i>Molecular Phylogenetics and Evolution</i>
2011	Judge of oral presentations at the North American Symposium for Bat Research, Toronto, Ontario.
2008-2012	Editorial Board member, <i>Molecular Phylogenetics and Evolution</i>
2008	Judge of oral presentations at the North American Symposium for Bat Research, Scranton, Pennsylvania.
2007-present	Collaboration with the Illicit Crop Monitoring System of Colombia (SIMCI), sponsored by the United Nations Office on Drug and Crime; advising monitoring bodies in Peru and Bolivia through SIMCI
2006-present	Ad hoc grant reviewer for the <i>Agence Nationale de la Recherche</i> , National Geographic Society, and the United States National Science Foundation (NSF).
2004-present	Ad hoc reviewer in Evolutionary Biology: <i>Acta Chiropterologica</i> , <i>Axios</i> reviews, <i>The American Naturalist</i> , <i>Biological Journal of the Linnean Society</i> , <i>BMC Evolutionary Biology</i> , <i>Canadian Journal of Zoology</i> , <i>Communications Biology</i> , <i>Ecography</i> , <i>Evolution</i> , <i>FEBS Letters</i> , <i>Frontiers in Zoology</i> , <i>Gene</i> , <i>Genetica</i> , <i>Genome Biology and Evolution</i> , <i>Journal of Biogeography</i> , <i>Journal of Field Ornithology</i> , <i>Journal of Heredity</i> , <i>Journal of Mammalian Evolution</i> , <i>Journal of Mammalogy</i> , <i>Journal of Parasitology</i> , <i>Molecular Biology and Evolution</i> , <i>Molecular Ecology</i> , <i>Nature Ecology and Evolution</i> , <i>Molecular Ecology Notes</i> (currently <i>Mol. Ecol. Resources</i> ), <i>Molecular Phylogenetics and Evolution</i> , <i>Nature Ecology and Evolution</i> , <i>PeerJ</i> , <i>Philippine Journal of Science</i> , <i>PLoS One</i> , <i>Proceedings of the Biological Society of Washington</i> , <i>Proceedings of the Royal Society B: Biological Sciences</i> , <i>Quaternary Science Reviews</i> , <i>Scientific Publications of the American Museum of Natural History</i> , <i>Scientific Reports</i> , <i>Systematic Biology</i> , <i>Trends in Ecology and Evolution</i> , <i>University of Chicago Press</i> , <i>Zootaxa</i> . Ad hoc reviewer in Ecology: <i>Actualidades Biológicas</i> , <i>Caribbean Journal of Science</i> , <i>Chiroptera Neotropical</i> , <i>Diversity and Distributions</i> , <i>Environmental Science &amp; Technology</i> , <i>Emu</i> , <i>Ornitologia Neotropical</i> , <i>Quarterly Review of Biology</i> . Ad hoc reviewer in Conservation Biology: <i>Animal Biodiversity and Conservation</i> , <i>Biodiversity and Conservation</i> , <i>Biological Conservation</i> , <i>Ecosphere</i> , <i>Ecosystems</i> , <i>Environmental Science &amp; Technology</i> , <i>Science Magazine</i> . Ad hoc reviewer in Environmental Humanities: <i>Journal of Peasant Studies</i> , <i>Landscape Ecology</i> , <i>Journal of World Systems Research</i> .
Summer 2010	Convener with Nancy Simmons of the bat extinction symposium at the 15 <sup>th</sup> International Bat Research Congress (Prague, Czech Republic)
2009 & 2011	Judge of the North American Society of Bat Research student platform competition.
Fall 2009	NSF Division of Biological Infrastructure Panelist
2008	IUCN Global Mammal Assessment: Mesoamerican and Caribbean
2006	IUCN Global Mammal Assessment: northern Andes
2006	Technical consultant: IMAX film "Mummies: Secrets of the Pharaohs"
2000	BirdLife International assessment (neotropical)

### Professional Society Membership

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2013-present	Society for Systematic Biology, Life Member
2017-2018	Society for Conservation Biology
2014-2018	Society for the Study of Evolution
2012-2016	International Biogeography Society
2008-present	North American Society for Bat Research
2005-2006	American Society of Mammalogy