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Kristjan Mets

Education

2014-	Ph.D. Candidate (Ongoing), Stony Brook University Ecology & Evolution
2013-2014	M.A. (Transferred to Ph.D.), Stony Brook University Ecology & Evolution
2008-2012	B.A., Hampshire College, Amherst, MA

- Academic focus in ecology and computer science.
- Final-year divisional project produced interactive computer model to simulate pest-management regimes in agricultural settings.

Experience

2019	Graduate Teaching Assistant, BIO 356: Applied Ecology
2016-2017	Research Assistant Union Representative, Ecology & Evolution
2016-2017	Graduate Research Assistant, Stony Brook University

- Assistant in US Fish and Wildlife Service White-Nose Syndrome Research Project: Uncovering skin immune proteins as predictors of resistance against WNS
- Worked with collaborators to establish real-time PCR protocols for measuring fungal loads in bat tissue
- Oversaw undergraduate lab work
- Conducted real-time PCRs with tissues supplied by state agencies

2014-2016	Secretary, Ecology Club, Stony Brook University

- Coordinated selection and hosting of student-invited speakers.

Fall 2015	Graduate Teaching Assistant, BIO 319/BEE 574: Landscape Ecology
Jan 2015	Assistant for Introductory R Programming Workshop
Fall 2014	Graduate Teaching Assistant, BIO 204: Fundamentals of Scientific Inquiry in the Biological Science I
2013	Tutor, Stony Brook Residential Tutoring Service

- Tutored undergraduate students for biology, chemistry, and general writing.

2012	Teaching Assistant, Hampshire College Food, Farm & Sustainability Institute

- Assisted and guided students in farm work and academic projects.
- Helped teach units on ecology, entomology, statistics, and computer modeling.

2012	Teaching Assistant, Statistics, Hampshire College

- Assistant to Natural Sciences faculty at Hampshire College
- Helped to grade assignments and meet with students to go over statistics topics
- Organized brief workshops on data management and Excel use

2012	Teaching Assistant, Terrestrial Ecology, Hampshire College • Assisted with Terrestrial Ecology course targeted at first-year students • Organized field trips to natural sites in the Connecticut River Valley area
2011	Research Assistant, Hampshire College Natural Sciences • Helped with food-choice experiments conducted with squirrels
2010	Crew Member, Wildland Studies & Wrangell Mountain Institute • Worked and studied in the Wrangell-St. Elias National Park and Preserve in Alaska. • Used GPS equipment to map out glacial termini for the USGS. • Conducted vegetation transects and mapped boundaries between alpine and sub-alpine zones for the USGS. • Observed Dall Sheep populations and collected scat samples for laboratory analysis.

Publications

2018	Holmes, J.S., A. Palao Mendizabal, D. Saucedo De La Fuente, L.M. Dávalos, **K.D. Mets**, D. Armenteras. Identifying municipal risk factors for leftist guerilla violence in Colombia. *Peace Economics, Peace Science, and Public Policy.*
2017	**Mets, K.D.**, D. Armenteras, L.M. Dávalos. Spatial autocorrelation reduced model precision and predictive power in deforestation analyses. *Ecosphere*.
In Prep	Mets, K.D. Where bats rest: Determinants of hibernacula suitability for widespread North American bats

Conference Presentations

2018	**Mets, K.** Where bats rest: Determinants of hibernacula suitability for widespread North American bats. Presented at the North American Society for Bat Research's Annual Meeting, Puerto Vallarta, JAL, Mexico.
2017	**Mets, K**. Fine scale suitability modeling of *Myotis lucifugus* hibernacula in the Ozark Plateau. Presented at the North American Society for Bat Research's Annual Meeting, Knoxville, TN.
2016	**Mets, K.** What drives evolution in the wing morphology of neotropical bats? Presented at Evolution 2016, Austin, TX.

Awards

2017	Science Training and Research to Inform Decisions (STRIDE) Fellowship
2017	Departmental Service Award, Stony Brook Ecology & Evolution
2014	Pieper Merit Award, Stony Brook University
2014	Ecology and Evolution Recruitment Fellowship, Stony Brook Ecology & Evolution
2008-2011	Non Satis Scire Scholar Award, Hampshire College

Professional Society Memberships

North American Society for Bat Research
Society for the Study of Evolution