

# Jonathan A. Nations

## WORK IN PROGRESS FROM A HELPFUL TEMPLATE!

*National Science Foundation Postdoctoral Scholar based at the University of Chicago and the Field Museum of Natural History*

Email / Website / GitHub

## Education

**2015 - 2020 | PhD**, Biological Sciences, Louisiana State University

Dissertation: FUNCTION, HISTORY, AND ECOLOGY IN THE EXCEPTIONAL DIVERSIFICATION OF MURINE RODENTS

**2011 - 2014 | BSc**, Biological Sciences, University of Alaska Fairbanks

Thesis: CLIMBING BEHAVIOR OF NORTHERN RED-BACKED VOLES (*MYODES RUTILUS*) AND SCANSORIALITY IN *MYODES*

**2008 - 2011 | ASc**, Science and Math, Seattle Central Community College

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## Recent Professional Experience

**2015 - 2018 | Curatorial Assistantship**, LSU Museum of Natural Science: Mammals Division.

**2014 - 2015 | Assistant Collections Manager**, University of Alaska Museum: Mammals Division. Preparation and curation of mammal specimens and their associated data. Training and mentoring undergraduate students in curatorial methods and molecular lab work.

**2011 - 2014 | Curatorial Assistant**, University of Alaska Museum: Mammals Division.

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## Grants, Scholarships, and Awards

**2020 | American Society of Mammalogists Fellowship (\$20,000)**

The ASM Fellowship is the highest award made to a graduate student member of ASM.

**2020-2023 | National Science Foundation Postdoctoral Research Fellowship in Biology**

Title: CONVERGENT EVOLUTION OF MORPHOLOGICAL INTEGRATION IN INDONESIAN SHREWS.

Sponsored by Graham Slater

**2020 | LSU Museum of Natural Science Outstanding Graduate Student**

**2019 | Louisiana State University Prestigious Graduate Fellowship Award (\$4,000)**

Awarded to select students for funding dissertation research.

**2019 | Research Triangle Nanotechnology Network Award (\$2,000)**

Support to  $\mu$ CT scan museum specimens at Duke University.

**2017 | American Society of Mammalogists Patton Award (\$5,000)**

Title: USING MUSEUM SPECIMENS TO UNDERSTAND HOW EXTRAORDINARY DIVERSITY IS MAINTAINED IN THE RODENT COMMUNITIES OF SULAWESI, INDONESIA.

**2017 | National Science Foundation East Asia Pacific Studies Institute Fellow (\$8,000)**

Sponsor: Dr. Kevin Rowe, Museums Victoria, Melbourne, Australia

**2016 | Society of Systematic Biologists Graduate Student Research Award (\$1200)**

**2016 | American Society of Mammalogists Grant in Aid: (\$1,000)**

**2015 | National Science Foundation Graduate Research Fellowship**

**2014 | Outstanding Undergraduate Student in the Biological Sciences, University of Alaska Fairbanks**

**Brina Kessel Medal for Excellence in Science: 20132014 (\$500)** Awarded to one student annually in the College of Natural Science and Mathematics, UAF.

**Summer Undergraduate Research Award, University of Alaska Fairbanks: 2013 (\$5000)**

**American Society of Mammalogists Travel Award: 2013 (\$300)**

**First Place, Best Oral Presentation, UAF Research Day: 2013 (\$1,000)**

**Summer Undergraduate Research Award, University of Alaska Fairbanks: 2012 (\$5,000)**

## **Publications**

**2022 | J.A. Nations**, B.A. Kohli, H. Handika, A.S. Achmadi, M.J. Polito, K.C. Rowe, J.A. Esselstyn. Trait-specific patterns of community ecospace occupancy in an insular mammal radiation. *In Review*. bioRxiv preprint

**2022 |** Wisniewski, A.L., J.A. Nations, and G. J. Slater. 2022. Bayesian prediction of multivariate ecology from phenotypic data yields novel insights into the diets of extant and extinct taxa. *In Review*. bioRxiv preprint

\* *All authors contributed equally to this work*

**2022 |** Swanson, M.T., A.S. Achmadi, **J.A. Nations**, M.W. Henson, H. Handika, S. Anita, K.C. Rowe, H. Bennadji, M.J. Polito & J.A. Esselstyn. Bacterial families variably associated with diet along the gut in a trophically diverse community of wild rodents. *In Review*

**2021 |** Marcondes, R.S.\*, **J.A. Nations\***, Seeholzer, G.F., & Brumfield, R.T. 2021. Rethinking Gloger's rule: climate, light environments, and color in a diverse family of tropical birds. *The American Naturalist*. In Press. \* *Joint first authorship*

**2021 | Nations, J.A.**, G.G. Mount, S.M. Morere\*, A.S. Achmadi, K.C. Rowe, & J.A. Esselstyn. Locomotory mode transitions alter phenotypic evolution and lineage diversification in an ecologically rich clade of mammals. *Evolution*. 75(2): 376-393.

**2021 | Nations, J.A.**, A. Mursyid, R. Darma Busta, S.P. Adrian, H. Handika, Apandi, A.S. Achmadi, J.A. Esselstyn. An albino rat from West Sumatra, Indonesia represents the first report of albinism in a Sundaland rodent. *Mammalia*. 85(2): 168-172.

**2020 |** Roycroft, E.J\*, **J.A. Nations\***, & K.C. Rowe. Environment predicts repeated body size shifts in a recent radiation of Australian mammals. *Evolution*. 74(3): 671-680. \* *Joint first authorship*

**2019 | Nations, J.A.**, L.R. Heaney, T.C. Demos, A.S. Achmadi, K.C. Rowe, & J.A. Esselstyn. A Simple Skeletal Measurement Effectively Predicts Climbing Behavior in Murine Rodents. *Biological Journal of the Linnean Society*. 128(2):323-336. *Selected for BJLS Ecomorphology Collection Virtual Issue*

**2015 | Nations, J.A.** & L.E. Olson. 2015. Climbing behavior of northern red-backed voles (*Myodes rutilus*) and scansoriality in *Myodes* (Rodentia, Cricetidae). *Journal of Mammalogy* 96(5):957-963.

Conference Presentations

Invited Presentations

Outreach, Leadership, & Mentorship

Teaching

FieldworK: Museum Collection Expeditions