Kelsey M. Yule, PhD

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EDUCATION

University of Arizona, Tucson, AZ, USA **2012-2018**
Ph.D. in Ecology and Evolutionary Biology
Ph.D. Minor in Statistics (17 graduate level credits)
Dissertation: "Mistletoe-vector-host interactions: From within-host processes to population genetic structure"
Advisor: Dr. Judith Bronstein

Rice University, Houston, TX, USA **2008-2011**
B.S. in Ecology and Evolutionary Biology
summa cum laude
Thesis: "Context-dependency in the mediation of population dynamics by a vertically transmitted symbiont"
Advisors: Dr. Jennifer Rudgers & Dr. Thomas E.X. Miller

PROFESSIONAL EXPERIENCE

Arizona State University, Tempe, AZ, USA
NEON Biorepository Data Science Specialist, Senior **2024-present**
NEON Biorepository Project Manager, Senior **2022-2024**
NEON Biorepository Project Manager **2019-2022**
Biodiversity Knowledge Integration Center
Senior Global Futures Scientist **2022-present**
Julie Ann Wrigley Global Futures Laboratory

Michigan State University, East Lansing, MI, USA **2018-2019**
Postdoctoral Research Associate
Department of Integrative Biology
Supervisor: Dr. Gideon Bradburd

PUBLICATIONS

[16] Atkins, J, K Aho; X Chen, A Elmore, R Fiorella, W Luo, D Lombardozzi, C Lunch, L Manak, L de Pablo, A Myers-Pigg, S Record, T Qiu, S Reed, B Ruddell, B Strange, C Torrens, **KM Yule**, A Richardson. (In revision) Recommendations for developing, documenting, and distributing data products derived from NEON data. *Ecosphere.*

[15] Jackson, D, **KM Yule**, A Biera, C Hawley, J Lacson, E Webb, K McGraw, KM Cooper. (2024) "Broadening Perspectives Activities" Improve both LGBTQ+ Student Experiences and non-LGBTQ+ Students' Content Comprehension. *CBE: Life Sciences Education*. 23(4):ar9. https://doi.org/10.1187/cbe.24-02-0052

[14] Jobe, NB, NM Franz, MA Johnston, AB Malone, I Ruberto, J Townsend, JB Will, **KM Yule**, KP Paaijmans. (2024) The Mosquito Fauna of Arizona: Species Composition and Public Health Implications. *Insects*. 15(6): 432. https://doi.org/10.3390/insects15060432

[13] Thibault, KM, CM Laney, **KM Yule**, NM Franz, PM Mabee. (2023) The US National Ecological Observatory Network and the Global Biodiversity Framework: National Research Infrastructure with a Global Reach. *Journal of Ecology and Environment*. 47:21 https://doi.org/10.5141/jee.23.076

[12] Johnston MA, ES Waite, ER Wright, BH Reily, GJ De Leon, AI Esquivel, J Kerwin, M Salazar, E Sarmiento, T Thiatmaja, S Lee, **KM Yule**, NM Franz (2023) Insect collecting bias in Arizona with a preliminary checklist of the beetles from the Sand Tank Mountains. *Biodiversity Data Journal* 11: e101960. https://doi.org/10.3897/BDJ.11.e101960

[11] Lund, MC, BB Larsen, DM Rowsey, HW Otto, S Gryseels, S Kraberger, JM Custer, L Steger, **KM Yule**, RE Harris, M Worobey. (2023) Using archived and biocollection samples towards deciphering the DNA virus diversity associated with rodent species in the families cricetidae and heteromyidae. *Virology*. 585: 42-60. https://doi.org/10.1016/j.virol.2023.05.006

[10] Nagy*, RC, JK Balch*,.. **KM Yule**, et al. [*co-first authors]. (2021) Harnessing the NEON Data Revolution to Advance Open Environmental Science with a Diverse and Data-Capable Community. *Ecosphere*. 12(12): e03833. https://doi.org/10.1002/ecs2.3833

[9] Kitzes, J, R Blake, S Bombaci, M Chapman, S Durán, T Huang, M Joseph, S Lapp, S Marconi, W Oestreich, T Rhinehart, A Schweiger, Y Song, T Surasinghe, D Yang, **KM Yule**. (2021) Expanding NEON biodiversity surveys with new instrumentation and machine learning approaches. *Ecosphere*. 12(11): e03795. https://doi.org/10.1002/ecs2.3795

[8] Johnson CA, GP Smith, **KM Yule**, G Davidowitz, JL Bronstein, and R Ferrière. (2021) Coevolutionary transitions from antagonism to mutualism explained by the Co-Opted Antagonist Hypothesis. *Nature Communications*, 12: 2867. https://doi.org/10.1038/s41467-021-23177-x

[7] **Yule, KM**, CA Johnson, JL Bronstein, and R Ferrière. (2020) Interactions among interactions: The dynamical consequences of antagonism between mutualists, *Journal of Theoretical Biology*, 501: 110334

[6] Ålund, M, N Emery, BJM Jarrett, KJ MacLeod, HF McCreery, N Mamoozadeh, JG Phillips, J Schossau, AW Thompson, AR Warwick, **KM Yule**, ER Zylstra, E Gering (2020) Academic ecosystems must evolve to support a sustainable postdoc workforce, *Nature Ecology and Evolution*, 4: 777–781

[5] **Yule, KM**, and JL Bronstein (2018) Infrapopulation size and mate availability influence reproductive success of a parasitic plant, *Journal of Ecology*,106(5): 1972-1982

[4] **Yule, KM**, and JL Bronstein (2018) Reproductive ecology of a parasitic plant differs by host species: vector interactions and the maintenance of host races, *Oecologia*,186(2): 471-482

[3] **Yule, KM**, JAH Koop, NM Alexandre, LR Johnston, and NK Whiteman (2016) Population structure of a vector-borne plant parasite, *Molecular Ecology*,25(14): 3332-3343

[2] **Yule, KM**, TEX Miller, and JA Rudgers (2013) Costs, benefits, and loss of vertically transmitted symbionts affect host population dynamics, *Oikos*,122(10): 1393-1400

[1] **Yule, KM**, JM Wooley, and JA Rudgers (2011) Water availability alters the tri-trophic consequences of plant-fungal symbiosis, *Arthropod-Plant Interactions*, 5(1): 19-27

PRE-PRINTS

[1] **Yule, KM**, EE Gilbert, AP Husain, MA Johnston, L Rocha Prado, L Steger, NM Franz. Designing Biorepositories to Monitor Ecological and Evolutionary Responses to Change (Version 1). Zenodo. http://doi.org/10.5281/zenodo.3880411.

EXTERNAL GRANTS, AWARDS & FELLOWSHIPS

National Science Foundation
- Doctoral Dissertation Improvement Grant, co-PI ($19,955) **2016-2018**
  - *PI:* Dr. Judith Bronstein
  - *Title:* Reinforcement of reproductive isolation of parasitic plant host races
- Graduate Research Fellowship, Ecology ($100,000) **2012-2017**
- Graduate Research Fellowship, Population and Community Biology ($90,000, *declined*) **2011**
- Research Experience for Undergraduates, Mountain Lake Biological Station **2010**

PEO International **2017**
- PEO Scholar Award ($15,000)

American Society of Naturalists **2016**
- Student Research Award ($2,500)

Arizona Native Plants Society **2016**
- Ginny Saylor Research Grant ($2,000)

Society for the Study of Evolution **2014**
- Rosemary Grant Award for Graduate Student Research ($1,500)

Ecological Society of America **2013**
- Plant Population Ecology Section Travel Award ($500)

National Merit Scholarship Program **2008**
- John M. Stalnaker Memorial Scholarship for Mathematics and Science ($25,000)

INTERNAL GRANTS, AWARDS & FELLOWSHIPS

Arizona State University **2020-2022**
- Justice, Equity, Diversity and Inclusion Initiative Seed Grant ($17,000 in total)
  "Biocollections JEDI Research Fellowship: Facilitating Equity and Inclusivity in Human-Nature Connections"

University of Arizona
- Graduate & Professional School Council Grants ($6,225 in total) **2013-2017**
- College of Science Galileo Circle Scholar Award ($4,000 in total) **2014 & 2016**
- Darwin-Wallace Biodiversity Scholar Award ($1,000) **2015**
- Ecology & Evolutionary Biology Summer Research Fellowship ($1,000) **2013**

Rice University
- Clark P. Read Award for Excellence in Ecology and Evolutionary Biology **2011**
- Trustee Distinguished Scholarship ($40,500) **2008-2011**
- Undergraduate Scholars Program ($2,000) **2010-2011**
- Undergraduate Summer Research Award ($2,000) **2009**

TEACHING

University of California, Los Angeles, Los Angeles, CA, USA
Invited Lecturer **2023**
Natural History Collections in the Biological Sciences

Tohono O'odham Community College, Sells, AZ, USA **2018**
Invited Lecturer
Natural History of the Southwest and Environmental Biology

University of Arizona, Tucson, AZ USA
Invited Lecturer & Curriculum Development
Introductory Biology II Laboratory, Online Course **2017**
Advanced Statistics Seminar **2015**
Graduate Teaching Assistant
Ecology **2012 & 2016**
Introductory Biology II Laboratory **2013**

Rice University, Houston, TX, USA
Undergraduate Teaching Assistant
Introductory Biology **2011**
Ecology **2010**
Elementary Applied Statistics **2009-2010**

INVITED PRESENTATIONS

[10] Franz, NM, EE Gilbert, A Husain, R Liao, M Johnston, KD Pearson, G Post, LD Steger, LJ Walker & **KM Yule**. (2023) Symbiota-based services for publishing genomic collections data. Global Genome Biodiversity Network. Aguascalientes, MX.

[9] **Yule, KM**, EE Gilbert, A Husain, A Johnston, R Liao, L Rocha Prado, L Steger, NM Franz (2023) The NEON Biorepository Data Portal: New Symbiota developments and workflows to enable discoverability of extended specimens and samples for large-scale ecological research. Society for the Preservation of Natural History Collections. San Francisco, CA, USA.

[8] **Yule, KM**, NM Franz (2022) Linking traits, genomes, specimens, and images to LTER data: Biological specimens and physical collections. Long Term Ecological Research Network All Scientists Meeting. Asilomar, CA, USA.

[7] **Yule, KM** (2022) The National Ecological Observatory Network (NEON) Biorepository: A developing resource to facilitate long-term biodiversity monitoring efforts. 16th Biennial Conference of Science Management on the Colorado Plateau Southwest Region. Flagstaff, AZ, USA

[6] **Yule, KM** (2020) Genetic isolation by ecological and geographic distance: New statistical methods and applications to host-associated differentiation. Department of Biological Sciences Seminar, Northern Arizona University. Virtual.

[5] **Yule, KM** (2020) Complementarity of the NEON Biorepository and natural history collection networks for understanding ecological change across spatial, temporal, and taxonomic scales. Ecological Society of America Organized Oral Symposium: Revolutionizing Our Understanding of Scale: How the NEON Network Enables Innovative Research into the Complexities of Ecological Phenomena across Spatio-Temporal Scales. Virtual.

[4] **Yule, KM** (2020) Collecting Natural History Specimens to Monitor Change: The NEON Biorepository as a Test Case. Special Post-Botany Symposium: Biodiversity Research Collecting Is More Important Than Ever—Ushering in a Collecting Renaissance. Virtual.

[3] **Yule, KM** and JL Bronstein (2015) Reproductive phenology of a parasitic plant differs with host species. Phenological Research and Observations of Southwest Ecosystems (PROSE) Symposium. Tucson, AZ, USA.

[2] **Yule, KM**, JAH Koop, NM Alexandre, and NK Whiteman (2015) Genetic structure of parasite populations: The role of vectors, hosts, and mutualists. Pepinière interdisciplinaire CNRS-PSL "Eco-Evo-Devo": Frontiers in Ecology and Evolution. Paris, FR.

[1] **Yule, KM**, CA Johnson, and R Ferrière (2014) The indirect effects of antagonism between species with a shared mutualist: A case study on the ecological and evolutionary dynamics of a plant-pollinator-seed disperser food web module. Eco-Evolutionary Mathematics Seminar at École Normale Supérieure. Paris, FR.

SELECT CONTRIBUTED PRESENTATIONS

[22] **Yule, KM**, EE Gilbert, A Husain, A Johnston, R Liao, L Rocha Prado, L Steger, NM Franz (2023) The NEON Biorepository Data Portal: New Symbiota developments and workflows to enable discoverability of extended specimens and samples for large-scale ecological research. Society for the Preservation of Natural History Collections. Tempe, AZ, USA.

[21] **Yule, KM** (2021) A role for the National Ecological Observatory Network (NEON) Biorepository samples and data in monitoring and forecasting ecological change. Ecological Forecasting Initiative. Virtual.

[20] **Yule, KM**, L Steger, NM Franz (2020) National Ecological Observatory Network (NEON) Biorepository plant and algal samples available for ecological and evolutionary research. Botanical Society of America. Virtual.

[19] **Yule, KM** (2020) Ecological and climatic influences on the population structure of desert mistletoe. The Tri-National Sonoran Desert Symposium. Ajo, AZ, USA.

[18] **Yule, KM**, NM Franz, EE Gilbert, AP Husain, MA Johnston, L Rocha Prado, and L Steger (2020) The NEON Biorepository as a tool for monitoring ecological and evolutionary responses to change. American Society of Naturalists. Asilomar, CA, USA.

[17] Franz, NM, EE Gilbert, AP Husain, MA Johnston, L Rocha Prado, L Steger and **Yule, KM** (2019) Where NEON and natural history collections data meet: Exploring the NEON Biorepository data portal. Ecological Society of America. Louisville, KY, USA.

[16] **Yule, KM** (2019) Biorepositories for monitoring ecological and evolutionary responses to change. Botany. Tucson, AZ, USA.

[15] **Yule, KM** (2019) Host-association determines population genomic structure of a parasitic plant through impacts on reproductive traits and pollination. Botany. Tucson, AZ, USA.

[14] **Yule, KM** and GS Bradburd (2019) Determining whether geographic distance and ecological factors influence spatial genetic differentiation. Evolution. Providence, RI, USA.

[13] Franz, NM, EE Gilbert, AP Husain, MA Johnston, L Rocha Prado, L Steger and **Yule, KM** (2019) Introducing the National Ecological Observatory Network - NEON Biorepository Data Portal. iDigBio Digital Data Conference. New Haven, CT, USA.

[12] **Yule, KM** (2018) Host association and environment determine population genomic structure of a parasitic plant through reproductive traits. Evolution. Montpellier, France.

[11] **Yule, KM** and JL Bronstein (2017). Infrapopulation size and mate composition influence the reproductive success of a parasitic plant. Evolution. Portland, OR, USA.

[10] **Yule, KM** and JL Bronstein (2016) The maintenance of host-associated differentiation in a vector-borne parasitic plant. Evolution, American Society of Naturalists Spotlight Session "The Evolution of Species Interactions." Austin, TX, USA. [9] **Yule, KM** (2016) Host species effects on desert mistletoe (*Phoradendron californicum*). The Tri-National Sonoran Desert Symposium. Ajo, AZ, USA.

[8] **Yule, KM**, CA Johnson, and R Ferrière (2016) Integrating genetic architecture and density dependence to understand the evolution of life history. The American Society of Naturalists. Asilomar, CA, USA.

[7] **Yule, KM**, JAH Koop, NM Alexandre, and NK Whiteman (2015) Host associated differentiation and host switching by a parasitic plant are mediated by mutualist vectors. Evolution. Guaraja, Brazil.

[6] **Yule, KM**, CA Johnson and R Ferrière (2014) Indirect interactions in a system involving mutualism and antagonism: A model of pollinator-disperser antagonism. Ecological Society of America. Sacramento, CA, USA.

[5] **Yule, KM** and JL Bronstein (2013) Reproductive biology of a mutualist-vectored parasitic plant differs with host species. Research Insights in Semiarid Environments (RISE) Symposium. Tucson, AZ, USA.

[4] **Yule, KM** and JL Bronstein (2013) Reproductive biology of a mutualist-vectored parasitic plant differs with host species. Ecological Society of America. Minneapolis, MN USA.

[3] Parmenter, RR, RW Oertel, TS Compton, S Kindschuh, M Peyton, W Meyer, C Caldwell, GZ Jacobi, O Myers, M Zeigler, and **KM Yule** (2012) Fire and floods in the Valles Caldera National Preserve, New Mexico: The 2011 Las Conchas Fire impacts on montane species diversity and food webs. Ecological Society of America. Portland, OR, USA.

[2] **Yule, KM**, TEX Miller, and JA Rudgers (2011) Costs, benefits, and loss of vertically transmitted symbionts affect host population dynamics. Ecological Society of America. Austin, TX, USA.

[1] JA Rudgers, Clay K, and **KM Yule** (2010) Grass-endophyte symbioses alter plant- herbivore-natural enemy interactions, Ecological Society of America. Pittsburgh, PA, USA.

PRESENTATIONS FOR THE PUBLIC

[4] **Yule, KM** (2022) The complex interactions between desert mistletoe, host trees, pollinators, and Phainopeplas. Tucson Audubon Society. Tucson, AZ, USA.

[3] **Yule, KM** (2018) Using desert mistletoe to understand host-parasite interactions. Philanthropic Education Organization (PEO). SaddleBrooke, AZ, USA.

[2] **Yule, KM** (2016) Desert mistletoe: A misunderstood, but beneficial native plant. Arizona Native Plants Society. Tucson, AZ, USA.

[1] **Yule, KM** (2013) The ecology of desert mistletoe: an emblem of the Sonoran Desert. Arizona Sonoran Desert Museum. Tucson, AZ, USA.

ARTICLES FOR THE PUBLIC

[2] **Yule, KM** (2016) The evolution of desert mistletoe host races: What we know and what questions remain. The Plant Press (The Arizona Native Plants Society) 29(1): 7-9.

[1] **Yule, KM** (2016) Desert mistletoe: A misunderstood native plant. Newsletter of the Friends of Ironwood Forest Spring 2016: 1-3.

MENTORING

Arizona State University, Tempe, AZ, USA
Barrett Honors College Thesis Committee Member: Ava Claus (2024-present), Mary Haddad (2021-2022)

Grand Canyon University, Phoenix, AZ, USA
Internship Mentor: Jessica Stansfield (2019)

Tucson Magnet High School, Tucson, AZ, USA
Biotechnology Program Mentor: Seneca Blank (2016-2018)
Awards: 1st place in High School Plant Sciences at The Southern Arizona Research, Science, and Engineering Foundation and selected to attend the International Science and Engineering Foundation Fair, and recipient of a $2,000 University of Arizona scholarship based on her project

University of Arizona, Tucson, AZ, USA
Senior Honors Thesis Mentor: Nico Lorenzen (2014-2015)
Awards: Outstanding Senior Award for both the Department of Ecology and Evolutionary Biology and the Department of Neuroscience
Research Mentor: Caitlin Davey, Emerson Martin, Alexandra Pond, Elyse May, James Berry, Nicolas Alexandre, Lauren Johnston, Meghan Iacuelli, Victoria Eudy, Michelle Gradall (2012-2017)

Pima Community College, Tucson, AZ, USA
Research Mentor: Peter Rice (2012)

OUTREACH & SERVICE

Diversity, Equity, and Inclusion Biocollections Scholars Program **2020-2024**
Served as the founder and lead organizer of the Arizona State University Diversity, Equity, and Inclusion Biocollections Scholars Program, a six-week summer training program for undergraduates and recent graduates from groups historically excluded from the sciences to experience natural history collections science, including field collection, specimen curation, and biodiversity informatics.

Ecological Forecasting Initiative **2020-present**
Member of organizing team for EFI RCN NEON Ecological Forecast Challenge: NEON Beetle Abundance Forecast Challenge.

Conservation, education, and advocacy work **2014-present**
Board Member for non-profit Friends of Ironwood Forest
Secretary for Sierra Club Borderlands Group

Contributions to science in the media **2017-present**
Interviews with and field trip guidance for members of national press media outlets (e.g., Medium, The Wilderness Society) regarding research conducted in and preservation of Ironwood Forest National Monument.
Regular interviews with local print and digital media outlets (e.g., KJZZ, NPR) regarding the importance of desert mistletoe to ecosystem functioning.

Service to scientific societies **2014 - 2020**
Co-organizer, The American Society of Naturalists Meeting at Asilomar
Judge for Don Abbott Postdoc Research Award, The American Society of Naturalists

Contributor to local flora project **2016**
Provided input for "From Ajo Peak to Tinajas Altas: Flora of Southwestern Arizona" by R. S. Felger and S. Rutman

Science fair judge **2014-2017**
Grand Awards Judge at the Southern Arizona Research, Science, and Engineering Foundation (SARSEF) Regional Fair
Judge at Flowing Wells High School and Tucson Magnet High School fairs

Elementary school outreach leader **2013**
Volunteer for Insect Discovery, an elementary school program at University of Arizona

Departmental service **2013-2019**
Michigan State University
Postdoctoral representative to the Integrative Biology seminar organization committee
University of Arizona
Organized and led weekly seminar and discussion group on current topics in eco-evolutionary dynamics
Judge at Ecology & Evolutionary Biology Undergraduate Research Poster Session
Co-organizer of the Ecology & Evolutionary Biology Prospective Graduate Recruitment Weekend

WORKSHOPS ORGANIZED

Ecological Society of America Workshops **2024**
Data Dialogues: Towards Deep Indexing of Ecological Survey and Trap Data (supporting role)
Explore and use NEON sample and specimen data

InDigiData: Indigenous Data Science Education Workshop **2024**
Our Data Relations: Kinship, Stewardship, Sovereignty in Biodiversity and Biocollections (supporting role)

National Science Foundation Research Coordination Network
Integrating Organismal Biology into NEON (supporting role) **2024**

National Ecological Observatory Network Data Skills Webinar **2023**
Introduction to the Biorepository

Long-Term Ecological Research Network All Scientists Meeting **2022**
Envisioning Biocollections for Long Term Ecological Networks

Career Central at Ecological Society of America **2019**
Exploring the NEON Biorepository data portal with Symbiota and R

Data Help Desk at Ecological Society of America **2019**
Beyond Data: Navigating NEON Resources (supporting role)

WORKSHOPS ATTENDED

Towards Building a National Community for the EBP **2024**

NEON Derived Data Products Workshop Series **2023**

NSF Research Coordination Network Workshop: Sampling Nature **2023**

NEON Science Summit **2019**

iDigBio and BiotaPhy **2019**
Using Digitized Herbarium Data in Research: Applications for Ecology, Phylogenetics, and Biogeography

CyVerse-iPlant **2016**
Training in Cyberinfrastructure for Life Sciences Research

Joint MBI-NIMBioS-CAMBAM Summer Graduate Workshop **2013**
Connecting Biological Data with Mathematical Models

TECHNICAL SKILLS

Statistics & Mathematics

Linear and non-linear regression (including generalized linear models, mixed, repeated measures regression, structural equation models, and more)
Model selection methods
Bayesian methods of parameter estimation using machine learning
Perturbation analyses
Matrix and integral projection modeling of population structure and dynamics
Multivariate analyses of community composition and dynamics
Analytical modeling via systems of differential equations
Population genomic structure analyses
Simulation modeling
Individual/Agent-based modeling

Selected Programming & Software

Fluent: R, SQL
Proficient: Git, Mathematica, Gauss, TeX, SLiM
Some experience: Python, Bash, ArcGIS, MatLab, html, PHP, SAS, NetLogo

JOURNALS REFEREED

Biocontrol, Botany Letters, Conservation Science and Practice, Ecosphere, Evolution, Evolutionary Applications, Global Change Biology, Mathematical Biosciences, Plant Biology, Plant Ecology, The American Naturalist

PROFESSIONAL SOCIETIES

American Society of Naturalists, Arizona Native Plants Society, Botanical Society of America, Ecological Society of America, Society for the Study of Evolution, The Next Generation Sonoran Desert Researchers

REFERENCES

Nico Franz, PhD

University of Kansas, Lawrence, KS, USA
Krishtalka Director of the Biodiversity Institute and Natural History Museum
Professor of Ecology and Evolutionary Biology
Arizona State University, Tempe, AZ, USA
Professor of Practice
Former Virginia M. Ulman Professor of Ecology
Former Biodiversity Knowledge Integration Center (BioKIC) Director

nico.franz@ku.edu

Kate Thibault, PhD
Battelle Memorial Institute, NEON Headquarters, Boulder, CO
NEON Science Lead
kthibault@battelleecology.org

Judie Bronstein, **PhD,** Doctoral advisor
University of Arizona, Tucson, AZ, USA
University Distinguished Professor of Ecology & Evolutionary Biology
American Academy of Arts and Sciences Member
judieb@email.arizona.edu

Régis Ferrière, PhD
École Normale Supérieure, Paris, FR
Professor of Eco-Evolutionary Mathematics
University of Arizona, Tucson, AZ, USA
Professor of Ecology & Evolutionary Biology
regisf@email.arizona.edu

Noah Whiteman, PhD
University of California Berkeley, Berkeley, CA, USA
Professor of Integrative Biology
Professor of Molecular & Cell Biology
whiteman@berkeley.edu