

Connor French

PHD CANDIDATE

Montclair, NJ

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Education

City University of New York

PHD CANDIDATE, BIOLOGY- ECOLOGY, EVOLUTION, AND BEHAVIOR

New York, New York

2018 - 2023

Southern Illinois University

M.S., ZOOLOGY

Carbondale, Illinois

2016 - 2018

University of Texas

B.S., BIOLOGY- ECOLOGY, EVOLUTION, AND BEHAVIOR

Austin, Texas

2011 - 2015

Relevant Professional Experience

Software Developer

ANDREW ROMINGER

University of Maine

2022 - 2023

- Developing an R Shiny web application to simulate community assembly using the Rules of Life Engine model. It is meant to facilitate education and research.

Digital Fellow

GRADUATE CENTER

City University of New York

2019 - 2021

- Consulted on technical projects across disciplines.
- Delivered workshops to multi-disciplinary audiences on topics like R, Python, GIS, reproducible analysis, text analysis, data visualization, and data wrangling.
- Formed the CUNY R User Group and held monthly meetings.

Recent Publications

Global determinants of insect genetic diversity (2022)

BIORxIV. 10.1101/2022.02.09.479762. *FRENCH, C.M.*, BERTOLA, L.D., CARNAVAL, A.C., ECONOMO, E.P., KASS, J.M., LOHMAN, D.J., MARSKE, K.A., MEIER, R., OVERCAST, I., ROMINGER, A.J., STANICZENKO, P., HICKERSON, M.J. PREPRINT. ACCEPTED AT NATURE COMMUNICATIONS, CONDITIONAL ON REVISIONS.

Forest cover and geographical distance influence fine-scale genetic structure of leaf-toed geckos in the tropical dry forests of western Mexico (2022)

BIOLOGICAL JOURNAL OF THE LINNEAN SOCIETY. 137(4), PP. 686-699. *FRENCH, C.M.*, BEREZIN, C.T., OVERCAST, I., DE LA CRUZ, F.R.M., BASU, S., BERNAL, R.L.M., MURPHY, R.W., HICKERSON, M.J., BLAIR, C.

Phylogenetic relationships and systematics of the Amazonian poison frog genus Ameerega using ultraconserved genomic elements (2020)

MOLECULAR PHYLOGENETICS AND EVOLUTION. 142, 106638.. WILSON, G.X., *FRENCH, C.M.*, TWOMEY, E.M., CHÁVEZ, G., PRATES, I, VON MAY, R., LA RIVA, I.D., LÖTTERS, S., REICHLER, S., SERRANO-ROJAS, S.J., WHITWORTH, A., BROWN, J.L.

Morphological correlates of invasion in Florida cane toad (Rhinella marina) populations: Shortening of legs and reduction in leg asymmetry as populations become established (2020)

ACTA OECOLOGICA. 109, 103652. RUBIO, A.O., *FRENCH, C.M.*, CATENAZZI, A.

Speciation with introgression: Phylogeography and systematics of the Ameerega petersi group (Dendrobatidae). (2019)

MOLECULAR PHYLOGENETICS AND EVOLUTION. 138, 31-42.. *FRENCH, C.M.*, DEUTSCH, M.S., CHÁVEZ G., ALMORA C.E., BROWN, J.L.

Recent Presentations

Estimating spatial demographic patterns in a dynamic environment with species distribution models and genome-wide data

EVOLUTION. *FRENCH, C.M.*, HICKERSON, M.J., CARNAVAL, A.C.

2022

Determinants of the global distribution of genetic diversity in terrestrial insects

NEW YORK SPECIES DISTRIBUTION MODELING DISCUSSION GROUP. *FRENCH, C.M.*

2021

Comparative phylogeography of the Brazilian Atlantic Forest leaf litter lizards (genus Enyalius)

WORLD CONGRESS OF HERPETOLOGY. *FRENCH, C.M.*, DAMASCENO, R., RODRIGUES, M., CARNAVAL, A.C., HICKERSON, M.J. 2020

Using genetics to understand species responses to climate change

NEW YORK CITY COLLEGE OF TECHNOLOGY- SYSTEMATICS UNDERGRADUATE COURSE. *FRENCH, C.M.* 2020

A dynamic history in the Tropical Andes: phylogeography and systematics of the Ameerega petersi group (Dendrobatidae)

EVOLUTION. *FRENCH, C.M.*, AND BROWN, J.L. 2019

Recent Teaching

Ecology and Evolution New York, NY
CCNY BIOLOGY DEPARTMENT. TA, BIO 228 2022

Reproducible Research New York, NY
CITY COLLEGE OF NEW YORK. CO-ORGANIZER AND PANELIST. 1.5 HOUR PANEL ON TECHNIQUES FOR REPRODUCIBLE RESEARCH. 2022

R for Reproducible Scientific Analysis New York, NY
COLUMBIA UNIVERSITY. INVITED WORKSHOP. 2021

Introduction to Text Analysis in R New York, NY
CUNY GRADUATE CENTER. 1.5 HOUR ONLINE WORKSHOP FOR CUNY GRADUATE CENTER FACULTY AND STUDENTS. 2021

Digital Research Institute New York, NY
CUNY GRADUATE CENTER. FIVE DAY SERIES OF WORKSHOPS INTRODUCING CUNY FACULTY AND STUDENTS TO DIGITAL TOOLS FOR RESEARCH. 2020 - 2021

Recent Awards and Honors

Graduate Center Digital Fellowship (\$56250) 2019 - 2021
CITY UNIVERSITY OF NEW YORK

Helen and Frederick Gaike Fund (\$900) 2020
AMERICAN SOCIETY OF ICHTHYOLOGY AND HERPETOLOGY

Provost’s Pre-Dissertation Research Fellowship for the Sciences (\$5000) 2020
CITY UNIVERSITY OF NEW YORK

Student Scholarship (\$940) 2020
WORLD CONGRESS OF HERPETOLOGY

Graduate Research Excellence Grant RC Lewontin Early Award (\$2300) 2019
SOCIETY FOR THE STUDY OF EVOLUTION

Recent Outreach

Predicting global insect diversity City College of New York
SCIENCE DAY. INVITED ORAL PRESENTATION 2019

Peru: where plan C comes first SIU Carbondale
HERPETOLOGY CLUB. ORAL PRESENTATION 2017

There and back again: divergence and convergence in poison frogs SIU Carbondale
DARWIN WEEK. INVITED ORAL PRESENTATION 2017

Technical Skills

Frameworks	Software
R, Python, SQL, QGIS, ArcGIS, Unix shell, Microsoft Office, High-Performance Computing	Git, tidyverse, tidymodels, Quarto, Shiny, msprime, sklearn, SLiM, conda, snakemake, common bioinformatics tools

Peer Review

Journal of Biogeography, Biotropica, Environmental Biology of Fishes, Molecular Ecology, Global Ecology and Biogeography