

UNIVERSITY OF GEORGIA

NSF REU in Fungal Genomics and Computational Biology

Faculty Mentors

Justin Bahl (Bioinformatics and Infectious Diseases – Phylodynamics of Covid-19.
justin.bahl@uga.edu / <https://publichealth.uga.edu/faculty-member/justin-bahl/>

Casey Bergman (Genetics) – Computational biology transposable elements in yeast and Drosophila.
cbergman@uga.edu / <https://bergmanlab.uga.edu/>

Douda Bensasson (Plant Biology and Bioinformatics) – Genomics of yeast.
dbensasson@uga.edu / <https://bensassonlab.wordpress.com/>

Suchi Bhandarkar (Computer Science) – Bioimaging.
suchi@cs.uga.edu / <https://cobweb.cs.uga.edu/~suchi/>

Blake Billmyre (Pharmaceutical & Biomedical Sciences) – Human fungal pathogens.
blake.billmyre@uga.edu / <https://rx.uga.edu/faculty-member/blake-billmyre-ph-d/>

Anny Chung (Plant Biology) – Systems ecology of arbuscular mycorrhizal fungi.
yyachung@uga.edu / <https://chunglab.franklinresearch.uga.edu/>

Katrien Devos (Crop and Soil Science) – Systems biology of arbuscular mycorrhizal fungi.
kdevos@uga.edu / <https://devoslab.franklinresearch.uga.edu/>

Art Edison (Biochemistry & Molecular Biology and Bioinformatics) – Metabolomics.
aedison@uga.edu / <https://edisonomics.org/>

David Garfinkel (Biochemistry & Molecular Biology) – Retrovirus-like transposons in budding yeast, innate defense mechanisms, and genome stability.
djgarf@bmb.uga.edu / <https://bmb.uga.edu/research/lab/garfinkel>

Travis Glenn (Bioinformatics and Public Health) – Population genetics of Lyme disease and microbiomes and antibiotic resistance.
travisg@uga.edu / <https://publichealth.uga.edu/faculty-member/travis-c-glenn/>

Scott Gold (Plant Pathology, adjunct) – Fusarium and biological control of mycotoxins.
scott.gold@usda.gov / <https://www.ars.usda.gov/people-locations/person/?person-id=46660>

Natarajan Kannan (Biochemistry & Molecular Biology and Bioinformatics) – Proteomics, evolution, and modeling signaling systems in fungi and host-pathogen systems.
nkannan@uga.edu / <http://esbg.bmb.uga.edu/>

Walter Schmidt (Biochemistry & Molecular Biology) – Isoprenylation as a post-translational modifier of protein function.

wschmidt@uga.edu / <https://schmidtlab.uga.edu/>

Bernd Schüttler (Physics) – Modeling and identification of biological circuits in Neurospora.

hbs@physast.uga.edu / <https://www.csp.uga.edu/directory/people/heinz-bernd-schuttler>

Andrea Sweigart (Genetics) – Adaptation and speciation in plants.

sweigart@uga.edu / <http://sweigartlab.genetics.uga.edu/>

Thiab Taha (Computer Science) – Solving ODEs related to the biological clock and using GPUs to speed up computations.

trtaha@uga.edu / <https://cobweb.cs.uga.edu/~thiab/>

Michael Terns (Biochemistry & Molecular Biology) – Small-RNA based immunity to viruses.

mterns@bmb.uga.edu / <https://ternslab.uga.edu/>

Chung-Jui (CJ) Tsai (Genetics) – CRISPR genome editing in Populus.

cjtsai@uga.edu / <https://www.aspendb.org/>

Chris West (Biochemistry & Molecular Biology) – Oxygen sensing and and glycobiology of parasites.

westcm@uga.edu / <https://www.bmb.uga.edu/directory/people/dr-christopher-west>

Kaixiong Ye (Genetics and Bioinformatics) – Genetic and environmental factors in human nutrition and disease.

kaixiong.ye@uga.edu / <http://yelab.genetics.uga.edu/>

Nadja Zeltner (Biochemistry & Molecular Biology) – Use of human pluripotent stem cells to differentiate cell types affected in diseases of the peripheral nervous system.

nadja.zeltner@uga.edu / <https://zeltnerlab.uga.edu/>

Shaying Zhao (Biochemistry & Molecular Biology and Bioinformatics) – Comparative genomics of mammals and their epigenetics.

szhao@bmb.uga.edu / <https://www.bmb.uga.edu/research/lab/zhao>