

# 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](mailto: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](mailto:cbergman@uga.edu) / <https://bergmanlab.uga.edu/>

**Jeffrey Bennetzen** (Genetics/Plant Biology) - Plant genome structure, evolution, and function.  
[maize@uga.edu](mailto:maize@uga.edu) / <http://bennetzenlab.genetics.uga.edu/index.html>

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

**Suchi Bhandarkar** (Computer Science) - Bioimaging.  
[suchi@cs.uga.edu](mailto:suchi@cs.uga.edu) / <https://cobweb.cs.uga.edu/~suchi/>

**Blake Billmyre** (Pharmaceutical & Biomedical Sciences) - Human fungal pathogens.  
[blake.billmyre@uga.edu](mailto: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](mailto:yyachung@uga.edu) / <https://chunglab.franklinresearch.uga.edu/>

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

**Art Edison** (Biochemistry & Molecular Biology and Bioinformatics) - Metabolomics.  
[aedison@uga.edu](mailto: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](mailto: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](mailto: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](mailto: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](mailto:nkannan@uga.edu) / <http://esbg.bmb.uga.edu/>

**Walter Schmidt** (Biochemistry & Molecular Biology) - Isoprenylation as a post-translational modifier of protein function.  
[wtschmidt@uga.edu](mailto:wtschmidt@uga.edu) / <https://schmidtlab.uga.edu/>

**Bernd Schüttler** (Physics) - Modeling and identification of biological circuits in Neurospora.  
[hbs@physast.uga.edu](mailto: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](mailto: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](mailto:trtaha@uga.edu) / <https://cobweb.cs.uga.edu/~thiab/>

**Michael Terns** (Biochemistry & Molecular Biology) - Small-RNA based immunity to viruses.  
[mterns@bmb.uga.edu](mailto:mterns@bmb.uga.edu) / <https://ternslab.uga.edu/>

**Chung-Jui (CJ) Tsai** (Genetics) - CRISPR genome editing in Populus.  
[cjtsai@uga.edu](mailto:cjtsai@uga.edu) / <https://www.aspendb.org/>

**Chris West** (Biochemistry & Molecular Biology) - Oxygen sensing and glycobiology of parasites.  
[westcm@uga.edu](mailto: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](mailto: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](mailto: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](mailto:szhao@bmb.uga.edu) / <https://www.bmb.uga.edu/research/lab/zhao>