

REU MENTORS & THEIR RESEARCH PROJECTS

JONATHAN ARNOLD (Genetics) – systems biology of the biological clock
arnold@uga.edu

JUSTIN BAHL (Bioinformatics and Infectious Diseases). Phylodynamics of Covid-19.
Justin.bahl@uga.edu

CASEY BERGMAN (Genetics) – Computational biology transposable elements in yeast and Drosophila.
cbergman@uga.edu

BENSASSON, DOUDA (Plant Biology & IOB) – Genomics of Yeast.
dbensasson@uga.edu

SUCHI BHANDARKAR (Computer Science) – bioimaging
suchi@cs.uga.edu

JIA HWEI CHEONG (Genetics) – Synchronization of single filaments in the hyphal clock.
jia@uga.edu

ANNIE CHUNG (Plant Biology) – systems ecology of arbuscular mycorrhizal fungi
yyachung@uga.edu

KATRIEN DEVOS (Crop and Soil Science) – systems biology of arbuscular mycorrhizal fungi
kdevos@uga.edu

ART EDISON (Biochemistry) – Metabolomics
aedison@uga.edu

DAVID J. GARFINKEL (Biochemistry). Retrovirus-like transposons in budding yeast, innate defense mechanisms, and genome stability.
djgarf@bmb.uga.edu

TRAVIS GLENN (Bioinformatics and Public Health) – population genetics of Lyme Disease and microbiomes and antibiotic resistance.
Travis.glenn@gmail.com

SCOTT GOLD (Plant Pathology) – Fusarium and biological control of mycotoxins
sgold@uga.edu

NATARAJAN KANNAN (Biochemistry and Institute of Bioinformatics). Proteomics, evolution, and modeling of signaling systems in fungi and host-pathogen systems. nkannan@uga.edu

WALTER K. SCHMIDT (Biochemistry & Molecular Biology) - Isoprenylation as a post-translational modifier of protein function.

BERND SCHÜTTLER (Physics)- Modeling and identification of biological circuits in Neurospora
hbs@physast.uga.edu

ANDREA SWEIGART (Genetics)- Adaptation and speciation in plants
sweigart@uga.edu

THIAB TAHA (Computer Science) – Solving ODEs related to the Biological clock and using GPUs to speed up computations.
trtaha@uga.edu

MICHAEL TERNS (Biochemistry & Molecular Biology) – small-RNA based immunity to viruses
mterns@bmb.uga.edu

CHUNG-JUI TSAI (Genetics). CRISPR genome editing in Populus"
cjtsai@uga.edu

CHRIS WEST (Biochemistry & Molecular Biology) – Oxygen sensing in and glycobiology of parasites
westcm@uga.edu

KAIXIONG YE (Genetics and Bioinformatics) -- Genetic and environmental factors in human nutrition and disease.
Kaixiong.ye@uga.edu

SHUFAN ZHANG (Bioinformatics)—systems biology of arbuscular mycorrhizal fungi
Shufan.zhang@uga.edu

SHAYING ZHAO (Biochemistry & Molecular Biology and Institute of Bioinformatics) – Comparative genomics of mammals and their epigenetics.
szhao@bmb.uga.edu