REU MENTORS & THEIR RESEARCH PROJECTS

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

MARIN T. BREWER (Plant Pathology) – Evolution and genetics of plant pathogenic fungi.
mtbrewer@uga.edu

KELLY DYER (Genetics) – Drosophila speciation and adaptation.
dyer@uga.edu

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

TONY GLYNN (USDA) – Fungal genomics of grass endophytes
aglenn@saa.ars.usda.gov

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

JUAN GUTIERREZ (Mathematics and Institute of Bioinformatics) – systems biology of malaria
gutierrez@uga.edu

DAVID HALL (Genetics) – mathematical models of evolution and experimental evolution in yeast.
davehall@uga.edu

NATARAJAN KANNAN (Biochemistry and Institute of Bioinformatics). Evolutionary systems biology, comparative genomics, protein structure, function and evolution.kannan@bmb.uga.edu

ZACHARY LEWIS (Microbiology) – Chromatin structure and function in Neurospora crassa.
zlewis@uga.edu

RICHARD B. MEAGHER (Genetics) Molecular and Evolutionary genetics of gene families and phytoremediation.
meagher@uga.edu

JAN MRAZEK (Microbiology & Institute of Bioinformatics) Microbial comparative genomics, prokaryotic genome composition, structure, and evolution.
mrazek@uga.edu

BOB ROBINSON (Computer Science). Network motifs. 

rwr@uga.edu

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) – Computational circuit models as systems of differential equations. 

thiab@cs.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

JEFFREY URBAUER (Biochemistry) & Molecular Biology) – Transcription in Escherichia coli 

urbauer@chem.uga.edu

CHRIS WEST (Biochemistry & Molecular Biology) – Oxygen sensing in and glycobiology of parasites 

westcm@uga.edu

YING XU (Biochemistry & Molecular Biology)– Cancer and microbial bioinformatics and systems biology 

xyn@bmb.uga.edu

SHAYING ZHAO (Biochemistry & Molecular Biology and Institute of Bioinformatics) – Comparative genomics of mammals and their epigenetics. 

szhao@bmb.uga.edu