

REU MENTORS & THEIR RESEARCH PROJECTS

*JONATHAN ARNOLD (Genetics) – systems biology of the biological clock
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*JUSTIN BAHL (Bioinformatics and Infectious Diseases). Phylodynamics of Covid-19.
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*CASEY BERGMAN (Genetics) – plastic yeast genomes and transposable elements
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*RODRIGO DE PAULA BAPTISTA (Genetics) -Polymorphisms affecting virulence in Cryptosporidium.
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*SUCHI BHANDARKAR (Computer Science) – bioimaging
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*ALEX BUCKSCH (Bioinformatics & Plant Biology) – Discovering how roots work
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*TRAVIS GLENN (Bioinformatics and Public Health) – population genetics of Lyme Disease and microbiomes and antibiotic resistance.
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*SCOTT GOLD (Plant Pathology) – Fusarium and biological control of mycotoxins
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DAVID HALL (Genetics) – mathematical models of evolution and experimental evolution in yeast.
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*LIANG LIU (Statistics) – Bettering BEST for fitting coalescents to Covid-19 genomes to find virulence genes
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*JAN MRAZEK (Microbiology & Institute of Bioinformatics) Microbial comparative genomics, prokaryotic genome composition, structure, and evolution.
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BOB ROBINSON (Computer Science). Network motifs.
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*BERND SCHÜTTLER (Physics)- Modeling and identification of biological circuits in Neurospora

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*THIAB TAHA (Computer Science) – Covid-19 and GPUs and solving ODEs related to the Biological clock.

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*KAIXIONG YE (Genetics) -- the genetic basis of human complex diseases

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

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