The Franklin College of Arts and Sciences at the University of Georgia invites applications for two tenure track faculty positions in the broad area of Microbial Processes and Design, beginning August 1, 2023, at the level of Assistant Professor.

This position resides in the Dept. of Microbiology, which is especially interested in biologists who combine wet-bench experimentation with large-scale data to address significant issues in biotechnology, therapeutics, or basic microbiology. Specific research areas may include metabolic pathways, metabolic engineering, biochemical optimization, microbial biosphere impact, mechanisms of drug or vaccine resistance, and assessment of new drug targets. The ideal candidate will strengthen connections of our current research programs to industrial and clinical problems. Visit https://www.ugajobsearch.com/postings/285387 for more information.

There are outstanding opportunities for collaborations with faculty across our Life Sciences departments and our Complex Carbohydrate Research Center, Center for Molecular Medicine, Center for Tropical and Emerging Global Diseases, and access to the Georgia Genomics and Bioinformatic Center, the Network for Advanced NMR, the X-Ray Diffraction Core Facility, the Microscopy Core, the Chemistry Proteomics Core, the Bioexpression and Fermentation Facility, and Advanced Computing Resources.

The other position resides in the Dept. of Biochemistry and Molecular Biology. Of particular interest are biochemists who investigate novel metabolic pathways in emerging microbial pathogens, including viruses, bacteria, extremophiles and protists. In addition, biochemists who are pursuing research that addresses the impacts of climate change and/or biological methods to convert CO2 into new materials or use as “net-zero” fuels are also encouraged to apply. Traditional biochemistry disciplines associated with anaerobic enzymology, metalloproteins, structural biology, RNA biology, and omics studies offer unique strategies to address these challenges, often synergistically with more applied approaches with other disciplines on the UGA campus. The availability of analytical and fermentation instrumentation in a local BSL-3 facility allows unique opportunities for studying more dangerous pathogens. Visit https://www.ugajobsearch.com/postings/285609 for more information.