



Title of Position: Postdoctoral researcher

Position Description

The overarching research theme focuses on the dental supragingival microbiome within the context of caries progression and HIV infection/exposure in children - towards identification of candidate probiotics.

Postdoc candidates should have a strong publication record, a background in microbial community dynamics, experience analyzing next-generation sequence data (in particular amplicon sequencing and metatranscriptomic data) and be well versed in Linux/bash. Moving forward, the postdoc will benefit from experience working with techniques developed to achieve strain level resolution for microbiome analyses. For example, PacBio long read data, DNA-DNA proximity capture (Hi-C), and targeted long read metatranscriptomics.

The position will be available July 15th, 2024. Currently, 12 months of support are available with the possibility to extend up to five additional years contingent upon available funding. Salary starts at \$54,000 and benefits are included.

About the University, Department, & Lab

Located on Lake Hartwell in the foothills of the Blue Ridge Mountains, Clemson University is South Carolina's public land-grant University with access to multiple state and national parks and forests. As a Carnegie R1 Institution, Clemson has excellent research resources including the globally ranked Palmetto high-performance computing cluster, the Clemson University Genomics and Bioinformatics Facility, the Eukaryotic Pathogen Innovation Center, state-of-the-art light microscopy, electron microscopy, vivarium, animal, aquatic animal, and greenhouse facilities, and a multi-user analytical laboratory. There are many opportunities for collaboration across a wide group of partners on and off campus, including the Center for Human Genetics (<https://www.clemson.edu/science/research/chg.html>) and Prisma Health. Clemson is also launching a new College of Veterinary Medicine that will commence student enrollment in Fall 2026.

The Department of Biological Sciences at Clemson University harnesses faculty expertise across the areas of ecology, evolution, and organismal biology; microbiology; and molecular, cellular and developmental biology to advance the University's discovery mission and provide strong educational programs at both the undergraduate and graduate levels.

For more information about the Department and its programs, please visit the website <https://www.clemson.edu/science/academics/departments/biosci/index.html>

For more information about Clemson, please visit the website <http://www.clemson.edu/>

For more information about the Richards' Lab, please visit the website <http://www.vprichards-lab.com>

Application Instructions

Review of applications will begin immediately; however, the position will remain open until filled. Applicants should submit the following items via Interfolio at <https://apply.interfolio.com/144889>

- (1) Cover letter describing research interests, experience, and career goals.
- (2) CV
- (3) PDFs of representative publications
- (4) Contact information for three references

For more information, please contact Vincent Richards at vpricha@clemson.edu

Equal Employment Opportunity Statement

Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty and staff committed to working in a multicultural environment and encourages applications from minorities and women.