



Tenure-Track or Tenured Positions in Microbiome Studies at Rutgers University

The Center for Advanced Biotechnology and Medicine (CABM) at Rutgers University seeks outstanding candidates for new full-time, Tenure-Track or Tenured faculty positions with expertise in Microbiome science; we have two positions to fill in this Open Rank search. CABM, founded in 1985, has an outstanding track record in fundamental biomedical research and includes faculty within Rutgers Biomedical and Health Sciences (RBHS) and Rutgers–New Brunswick. These two positions can each have a tenure home in one of several basic science or clinical departments in the Robert Wood Johnson School of Medicine.

We are part of a vibrant and interactive research community at Rutgers, an elite research institution, topping \$929 million in annual research funding (FY2023). The Rutgers life and biomedical sciences community includes over 2,700 faculty members in different departments within Robert Wood Johnson Medical School, School of Arts and Sciences, School of Environmental and Biological Sciences, Ernest Mario School of Pharmacy, School of Engineering as well as within institutes including the New Jersey Institute for Food, Nutrition, and Health (IFNH), Human Genetics Institute of New Jersey (HGINJ), Waksman Institute of Microbiology, Institute for Quantitative Biomedicine, Cancer Institute of New Jersey (CINJ), Child Health Institute of New Jersey (CHI), Rutgers Institute for Infectious and Inflammatory Diseases, and the NIH-funded Clinical and Translational Science Institute leading the New Jersey Alliance for Clinical and Translational Science (NJ ACTS), with Princeton University and the New Jersey Institute of Technology. The candidates will play leading roles in the recently founded Rutgers University Microbiome Program ([RUMP](#)).

Our faculty members drive federally funded research programs in broad areas of biomedical science including protein structure and engineering, cancer, computational, developmental, evolutionary, molecular, neurobiological and neuropsychiatric, population, microbiological, reproductive, statistical, and epigenetic research, conducting studies in humans, mice, zebrafish, fruit flies, nematodes, yeast, bacteria and viruses. We seek individuals with research interests that will complement and/or expand our existing strengths, with special emphasis on work related to the human microbiome and translational approaches.

The successful candidate will be provided with a competitive start-up package, access to high-performance computing clusters and other core resources, and modern wet- and/or dry-laboratory space at CABM and will be expected to develop and maintain a strong, externally funded research program, and participate in collaborative projects with other Departments and

Institutes across the university. Major duties and responsibilities include developing a robust research program to conduct a broad range of microbiome studies, including studies related to human health, development, and disease. Applicants with translational research interests relevant to metabolic or immunological disorders, cancer, or neurological, infectious, psychiatric, and substance abuse disorders are encouraged to apply. Research involving microbiome-derived drug discovery, related computational research for systems biology and/or network modeling; extensions into plant, animal and environmental systems also are of interest but are not the primary focus. The successful candidate will also be expected to support the educational goals and activities of Rutgers University through teaching and service, including participation in the teaching of professional, graduate, and undergraduate students, and mentorship of trainees. The successful candidate will gradually assume teaching responsibility commensurate with the teaching load of other tenure-track or tenured faculty in their department. Salary will be commensurate with experience.

Qualified candidates must have a Ph.D. and/or M.D. or equivalent graduate degree. Specialization in Microbiology, Immunology, Computational Biology, Mathematics, Evolutionary Biology, Molecular Biology, Experimental Pathology, or a related discipline, or a Clinical discipline, with at least 3 years postdoctoral research experience related to the microbiome or related field, a demonstrated record of significant research, the potential to make substantial contributions as an independent investigator, and a commitment to teaching undergraduate and graduate students. Candidates with a successful track record of obtaining external funding are preferred. Prior experience in obtaining external support for large-scale computation, and the development and maintenance of shared data analytic services is also desirable. In addition, this position requires excellent presentation skills, strong technical writing skills, and proficiency in using informatic platforms for data analysis. Ability to develop bioinformatic tools, and lead tool development projects, including computational pipelines, and build reference databases is a strong credential. For clinicians, Board certification or eligibility in their discipline is required. For all candidates, an outstanding publication record, consistent with the candidate's training and experience is required. Expertise and technical skills necessary to successfully conduct studies involving 16S rRNA sequencing, metagenomics, metabolomics, and studies of expression of individual genes including epigenetics, and whole genome-wide analytical tools, and strong operational knowledge of bioinformatic platforms used in the analysis of microbiome and metagenomic data, as well as the ability to develop new software for analysis and pipelines is desirable.

Research programs utilizing interdisciplinary and translational approaches that develop interactions with the Rutgers Institute for Translational Medicine and Science, and the Rutgers Cancer Institute of New Jersey (CINJ), and the clinical departments within RBHS are encouraged.

Applicants should submit: (1) a letter of interest directed to the Faculty Search Committee; (2) a curriculum vitae; (3) a one-page summary of important contributions to science; (4) a two-page description of future research plans; (5) statement of teaching philosophy; and (6) full contact information for at least three references. All offers of employment are contingent upon

successful completion of all pre-employment screenings. Review of applications will begin on December 1, 2023 and continue until the positions are filled, but timely submission of materials through the ROCS portal at <https://jobs.rutgers.edu/postings/214257> is required for full consideration. Women and members of under-represented minorities are encouraged to apply.

Rutgers is a member of the AAU, the CIC, and the Big Ten. Rutgers is an equal access/equal opportunity institution and we seek a highly diverse group of faculty. It is university policy to provide equal employment opportunity to all its employees and applicants for employment regardless of their race, creed, color, national origin, age, ancestry, nationality, marital or domestic partnership or civil union status, sex, pregnancy, gender identity or expression, disability status, liability for military service, protected veteran status, affectional or sexual orientation, atypical cellular or blood trait, genetic information (including the refusal to submit to genetic testing), or any other category protected by law. For additional information please see the Non-Discrimination Statement at the following web address: <http://uhr.rutgers.edu/non-discrimination-statement>

Rutgers is located at the center of the Boston to Washington, DC corridor, with easy access to New York, Philadelphia, and the New Jersey shore within an hour. The region is the home to world-class universities, numerous pharmaceutical and biotech research facilities and corporate headquarters. Central New Jersey offers vibrant and diverse cultural activities, outstanding public and private schools and opportunities to live in urban, suburban or small-town settings within a short distance of the Rutgers campus.