

## Assistant Professional Researcher in Molecular Gut Physiology and Microbiology

The Departments of Microbiology and Plant Pathology and Molecular, Cell & Systems Biology at the University of California invites applicants for a full-time Assistant Professional Researcher in Molecular Gut Physiology and Microbiology to conceive and conduct research for the laboratories of Drs. James Borneman and Frances Sladek. The purpose of this position is to determine the molecular basis (host, microbes, and their interactions) of diet-induced obesity, diet-induced diabetes, diet-induced inflammatory bowel disease, and the role of the gut microbiome and the liver in these diseases. The final candidate will formulate hypotheses based on literature searches, design experiments to test those hypotheses, perform the experiments, analyze the data, and present the findings of the research in written and oral formats – all in the field of Molecular Gut Physiology and Microbiology. They will also write the manuscripts with input from Drs. Borneman and Sladek and submit them to journals for review; they will participate in responding to the reviewers' comments. The successful applicant will have experience in writing grant applications and will take the lead in writing grant proposals for the projects they are involved in.

Required qualifications at time of application for this position include:

- Ph.D. in the life sciences
- At least five years of relevant postdoctoral training
- Experience performing: mouse experiments including breeding, diet-based mouse experiments, transcriptomic analyses, ELISAs, qPCRs, histology experiments, Westerns, Illumina amplicon microbiome analyses, isolating anaerobic gut and tissue bacteria, cultivating anaerobic gut and tissue bacteria, germ-free and gnotobiotic mouse experiments, metabolomic analysis, and cell-based assays to confirm the in vivo findings.
- Demonstrated expertise in writing manuscripts for publication, including: first author publications, as well as grant proposals as PI and/or co-PI.
- Experience in supervising others in the lab and training other researchers.

Advancement through the Professional Researcher ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

**To apply:** Submit: (i) a Curriculum Vitae, (ii) a Cover Letter describing why you are interested in the position, (iii) a Statement of Research that includes a description of the publications that demonstrate that you have the required qualifications listed above, (iv) names and contact information for three references and, (v) a Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence to <https://aprecruit.ucr.edu/apply/JPF01524>. Review of applications will commence on February 24, 2022, and proceed until position is filled. For full consideration, applicants should submit their complete applications prior to the above date.



For more information about this position, please contact Dr. James Borneman, Chair of the Search Committee, Department of Microbiology and Plant Pathology, at [borneman@ucr.edu](mailto:borneman@ucr.edu). For questions on application procedures and requirements, please contact Rocio McFadden, Academic Personnel, at [rocio.mcfadden@ucr.edu](mailto:rocio.mcfadden@ucr.edu).

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified candidates will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

#### University of California COVID-19 Vaccination Program Policy

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. New University of California employees must (a) provide proof of receiving at least one dose of a COVID-19 Vaccine no later than 14 calendar days after their first date of employment and provide proof of Full Vaccination no later than eight weeks after their first date of employment; or (b) if applicable, submit a request for Exception or Deferral no later than 14 calendar days after their first date of employment. Federal, state, or local public health directives may impose additional requirements.