

A PhD/Postdoc position in environmental microbiology and antimicrobial resistance at the University of California, Riverside

Dr. Yujie Men, from the Department of Chemical and Environmental Engineering at the University of California, Riverside (UCR), is looking for a PhD student (or a Postdoctoral Researcher for 1-2 years) to join her research group (the **M**icrobe-**E**nvironment **N**exus). The PhD position starts on July 1st or earlier upon negotiation. The postdoc position can start at any time.

About M.E.N. group:

Dr. Men earned her BS and MS degrees in Environmental Science and Engineering from Tsinghua University, then her PhD degree from the University of California, Berkeley. Before she started her independent academic career, she worked as a postdoc at the Swiss Federal Institute of Aquatic Science and Technology (EAWAG). Her research focuses on interactions between environmental microorganisms and emerging organic contaminants. Current projects include biotransformation/bioremediation of emerging organic contaminants, the occurrence, fate, and transport of emerging contaminants in natural and engineered environments, and the impact of emerging organic contaminants on the development and transmission of antibiotic resistance. The M.E.N. group currently has four students working on frontiers in environmental microbiology and is looking forward to welcoming new members. For more details about the M.E.N. group, please check the website: <https://profiles.ucr.edu/yujie.men>

About the project:

The successful PhD or postdoc candidate will be working on a continuing project, investigating the impact of emerging organic contaminants on the development and transmission of antibiotic resistance, using microbiology, molecular biology, genetics/genomics, and analytical approaches. Preliminary findings related to this project can be found here: <https://pubs.acs.org/doi/10.1021/acs.est.0c01155>
<https://pubs.rsc.org/en/content/articlelanding/2018/EW/C8EW00278A#!divAbstract>

Selection Criteria:

- 1) Applicants should have MS (for PhD application) or PhD (for postdoc application) degree in one of the following areas: Environmental Science, Environmental Engineering, Bioengineering, Chemical Engineering, Microbiology, or Molecular Biology.
- 2) Applicants should be enthusiastic and self-motivated on scientific research, good at team working with critical and independent thinking.
- 3) Applicants should have the background knowledge and research experience in microbiology and molecular biology. **Applicants with skills in synthetic biology, genetics, genomics, bioinformatics, and microorganism cultivation and isolation are preferred.**

How to apply:

Interested individuals should send emails to Dr. Men (yomen@engr.ucr.edu) with CVs. For PhD applicants, please include TOEFL and/or GRE scores (if applicable) and transcripts (including BS and MS).

About CEE@UCR and Riverside:

UCR is one of the few universities, which has the department setup combining Chemical and Environmental Engineering. CEE department has ongoing projects incorporating expertise in Environmental Chemistry, Environmental Microbiology, Chemical Engineering, Biological Engineering, and Advanced Nanotechnology. It also has established collaborations with other departments on campus (e.g., the Department of Environmental Science, the Department of Microbiology and Plant Pathology, the Environmental Toxicology Program, and the Genetics, Genomics, and Bioinformatics Program), the USDA-ARS Salinity Lab, as well as the nearby universities, such as UC, Los Angeles and UC, Irvine. Riverside is located in southern California, close to Los Angeles and Irvine, and with a lower living cost. It has warm weather with a lot of sunshine; in other words, lots of outdoor activities for leisure time.