The School of Public Health and the Center for Computational Biology in the College of Engineering at the University of California, Berkeley invite applications for a tenure track Assistant Professor position with an expected start date of July 1, 2020. We are interested in candidates working in areas of mutual and complementary interest to the Center for Computational Biology and the School of Public Health. Successful candidates will conduct research, broadly, in the area of computational biology and host/microbe interactions. We are interested in candidates who study how pathogenic or non-pathogenic microbes affect hosts, with a particular interest in studies related to the human microbiome. Eligible candidates for this position would develop and/or apply sophisticated computational and experimental laboratory methods to studies of microbes and their health implications, including the relationship of the human microbiome to chronic or infectious disease at the population level. Candidates applying these techniques to understand health disparities are especially welcome. Examples of areas of high priority research include, but are not limited to, the following:

- Characterization of, including by the use of genome sequencing approaches, human microbes/microbiomes at the community or population level and relationship to health and disease, including disparities in health and disease.
- Computational techniques and methods applied to infectious disease outbreak investigation; the study of pathogenesis, niche adaptation, or evolution of infectious disease agents; and translational applications such as disease diagnostic and biomarker test development, new drug target identification and vaccine development.
- The impact of low-residue antibiotics and other factors in the environment on human intestinal microbiota (e.g., diet, biodiversity, climate change, geography, social determinants).
- Modulation of the human immune response/human physiology by the microbiome
- Food, agriculture, human nutrition and the impact on gut microbiome.

**Basic qualifications:**
PhD or equivalent international degree at the time of application

**Preferred qualifications:**
- PhD or equivalent international degree in the Biological Sciences, Computational Biology, Epidemiology, Bioinformatics, Bioengineering, Statistics/Biostatistics, Computer Science or a related field
- Minimum of one year of postdoctoral research experience
- Candidates who have experience with laboratory-based research using next-generation sequencing or other related technologies to address public health problems
- Candidates with research experience in computational biology
Diversity, equity, and inclusion are core values of UC Berkeley. Our excellence can only be fully realized by faculty, students, and staff who share our commitment to these values. Successful candidates for our faculty positions will demonstrate evidence of a commitment to equity and inclusion through their research, teaching, and/or service. The Bay Area is also at the forefront of social and health equity innovation and justice. We are committed to creating a culture of inclusion, which includes diversity in racial, gender, sexual and other identities. The School of Public Health and the Center for Computational Biology are committed to addressing the family needs of faculty, including dual career couples and single parents. We are also interested in candidates who have had non-traditional career paths or who have taken time off for family reasons, or who have achieved excellence in careers outside academia.

Please visit: https://ofew.berkeley.edu/welfare/families and https://ofew.berkeley.edu/recruitment/contributions-diversity

Deadline: November 8, 2019. Applications received after this date will not be considered. Please direct questions to juliaschuelke@berkeley.edu. Please reference job number JPF02355.

For information on the comprehensive benefits package offered by the University visit: http://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html

To apply, please go to the following link: https://aprecruit.berkeley.edu/JPF02355

Applicants should also provide three letters of recommendation. All letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality (http://apo.berkeley.edu/evalltr.html) prior to submitting their letters.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct