Precision Medicine Informatics Faculty Search
Department of Public Health Sciences

The UC Davis Center for Precision Medicine in conjunction with the Division of Informatics in the Department of Public Health Sciences seeks an exceptional tenure track faculty candidate with experience and interests in conducting research in Precision Medicine Data Sciences at the rank of Associate or Professor in the Regular or InResidence series. The ideal candidate will be an established investigator able to analyze data sources and form teams to investigate new approaches to advance precision medicine at population scales, to address health disparities in well-defined populations, and able to apply these approaches through digital and system interventions. Candidates will have deep expertise in one or more disciplines such as oncology or mental health, and experience utilizing molecular, genomic, cellular, clinical, behavioral, physiological, and/or environmental data. Teaching and mentoring in these areas as applied to population precision health will be required.

Examples of faculty candidate's interests may include:

•Data science, with a focus on integrating, mining, and applying heterogeneous big datasets from multiple sources (e.g., clinical, genomic, behavioral, social, population, and environmental) to address challenging problems in patient care, health prevention, and biomedical discovery;

•Mobile health, with an emphasis on collecting, processing, and analyzing data from mobile devices and integrating them with other data sources to address human health challenges;

•Translational biomedical informatics, with an emphasis on utilizing biomedical informatics theories, methods, and tools to address clinical and health problems at the individual and population levels.

UC Davis has extraordinary capabilities for applied population precision medicine, including world-class schools of health, veterinary medicine, and primate studies, and colleges of agriculture and engineering. Successful applicants will join a dynamic faculty within the UC Davis Schools of Health focused on research, education, and the practical application of informatics to precision medicine.

Faculty Responsibilities:

The selected candidate will be appointed as the Rolkin Endowed Professor in Precision Medicine. The Precision Medicine Endowed Professor is focused on the support of Precision Medicine research and care efforts, conducting funded extramural research on precision medicine data sciences across the UC Davis Health Schools, the UC Davis Medical Center, Centers of Excellence, and the Center for Precision Medicine. They will be expected to have a faculty appointment in the Department of Public Health sciences, and participate in graduate level teaching activities in the doctoral and masters programs in public health and health informatics. They will provide service at the school, university, regional, national, and international levels. Collaborative research with other faculty is expected.

Faculty may use resources in biomedical informatics, engineering, cyberinfrastructure, data security, and data analytics through the UC Davis Clinical IT department and the Clinical and Translational Science Center, and will report to both the Associate Dean for Precision Medicine and the Chief of the Division of Health Informatics while developing their own program of population-health research that builds across these resources.

Qualifications:

Candidates should have a PhD (or equivalent) in biomedical informatics, computational biology, biostatistics, public health informatics, computer science, engineering, or a related discipline, with demonstrated experience/expertise in informatics, or an MD (or equivalent) with demonstrated training (masters or equivalent) and experience in applied informatics. A strong track record of teaching at the graduate level, extramural funding, mentoring, and published research is expected.

Application Procedure and Deadline:

Applications will be accepted until the position is filled through June 30, 2018. However, for full consideration, please go to:

https://recruit.ucdavis.edu/apply/JPF01825 to submit your cover letter, CV, statement of research, statement of contributions to diversity, and names of three references by October 15, 2017.

If you have any questions please contact Mrs. Valerie M. Anderson by email vmaanderson@ucdavis.edu or phone 530-752-3627.

For more information regarding the UC Davis Department of Public Health Sciences, please visit the website at: http://www.phs.ucdavis.edu

UC Davis is a smoke- and tobacco-free campus effective January 1, 2014. Smoking, the use of smokeless tobacco products, and the use of unregulated nicotine products (e-cigarettes) will be strictly prohibited on any property owned or leased by UC Davis-- indoors and outdoors, including parking lots and residential space.

UC Davis is an affirmative action/equal opportunity employer with a strong institutional commitment to the achievement of diversity among its faculty, staff, and students, and students.