



# UC San Diego



## Tenure Track or Tenured Professor For a New Initiative in Precision Medicine

The University of California, San Diego has made an unprecedented commitment to advance human health by applying computational biology to analyze big data in biomedical research. The University of California, San Diego invites applications from outstanding candidates for up to five separate searches for TENURE TRACK or TENURED FACULTY POSITIONS. These positions are part of a bold multi-discipline, multi-year initiative that spans the entire University. Each appointment will be made jointly between at least two departments from across the campus in order to facilitate collaborations in new inter-disciplinary fields. They include Health Science (School of Medicine and Skaggs School of Pharmacy and Pharmaceutical Sciences), the Jacobs School of Engineering, the Divisions of Physical Sciences, Biology, Social Sciences, Arts and Humanities, the School of Global Policy and Strategy, and the Scripps Institution of Oceanography (SIO). The initiative in precision medicine seeks to transform medicine through advances in omic-scale diagnosis, therapy, engineering and computer science, imaging and data integration that enable insights into disease mechanisms. Appointments generally will be at the Assistant or Associate Professorial level and in exceptional cases at the very early Professorial level. The University of California, San Diego, is committed to academic excellence and diversity within the faculty, staff, and student body.

There will be five separate areas within the overall initiative:

1. Epigenetics and Genomics;
2. Informatics and Systems Medicine;
3. Microbiome;
4. Sensors, Devices, and Imaging; and
5. Bioethics and Biomedical Policy.

Candidates may submit an application to one or more of these areas.

Successful applicants will be expected to teach both graduate and undergraduate students in the participating departments and establish a vigorous program of high-quality federally funded research that focuses on innovative approaches in one of the targeted areas. These may include, but are not limited to

- engineering, computer science and computational approaches to biological complexity and challenging biomedical problems;
- integration of multi-omics data across multiple scales from molecule to organism for deciphering disease mechanisms and improving treatment;
- soft-robotics and other engineering applications relevant to clinical and/or translational medicine;
- next generation computational and engineering approaches to personalized medical diagnosis and treatment;
- imaging and/or sensing mechanisms for clinical applications;
- application of systems medicine approaches, experimental investigations and development of new understanding of the design principles of living systems;
- quantitative pharmacology;
- biomedical innovation and regulatory policy, ethical implications of the biomedical revolution and related policy issues in these areas.

Successful applicants will complement exceptional expertise in multiple areas at UC San Diego, including cardiovascular disease, obesity and metabolic disease, cancer, aging, degenerative diseases, autoimmune diseases, infections, inflammation, and will help synergize translational design efforts.

The preferred candidate will have demonstrated strong leadership or a commitment to support diversity, equity, and inclusion in an academic setting.

The level of appointment and salary is commensurate with qualifications and based on UC pay schedules.

Review of applications will begin on October 3, 2015 and continue until the position is filled.

Applications must be submitted electronically through AP-Online Recruit website. Candidates may submit an application to one or more of these areas.

Applications at the Assistant Professor level, please refer to the links below:

1. Epigenetics and Genomics;  
<https://apol-recruit.ucsd.edu/apply/JPF00840>
2. Informatics and Systems Medicine;  
<https://apol-recruit.ucsd.edu/apply/JPF00838>
3. Microbiome; <https://apol-recruit.ucsd.edu/apply/JPF00839>
4. Sensors, Devices, and Imaging;  
<https://apol-recruit.ucsd.edu/apply/JPF00841>
5. Bioethics and Biomedical Policy  
<https://apol-recruit.ucsd.edu/apply/JPF00837>

Applications at the Associate or Full Professor level, please refer to the links below:

1. Epigenetics and Genomics;  
<https://apol-recruit.ucsd.edu/apply/JPF00810>
2. Informatics and Systems Medicine;  
<https://apol-recruit.ucsd.edu/apply/JPF00829>
3. Microbiome; <https://apol-recruit.ucsd.edu/apply/JPF00831>
4. Sensors, Devices, and Imaging;  
<https://apol-recruit.ucsd.edu/apply/JPF00832>
5. Bioethics and Biomedical Policy;  
<https://apol-recruit.ucsd.edu/apply/JPF00830>

For applicants with interest in spousal/partner employment, please see <http://academicaffairs.ucsd.edu/aps/partneropp/index.html> for the UC San Diego Partner Opportunities Program.

Please direct inquiries to [precisionmedicinerecruit@ucsd.edu](mailto:precisionmedicinerecruit@ucsd.edu)

*UC San Diego is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to excellence through diversity.*