Biomedical Informatics
Assistant, Associate, or Full Professor

The Division of Biomedical Informatics (DBMI) in the Department of Medicine (https://dbmi.ucsd.edu/index.html) at the University of California San Diego is committed to academic excellence and diversity within the faculty, staff, and student body.

The Division of Biomedical Informatics (DBMI) seeks world-class talent in biomedical informatics to advance data-powered health and is recruiting outstanding faculty for Assistant Professor (tenure-track). DBMI advances a strong commitment to justice, equity, diversity, and inclusion and seeks faculty with shared commitment academically to this cause.

UC San Diego Health is the region's only academic medical center, with hospitals in Hillcrest and La Jolla that support acute inpatient care and a spectrum of outpatient primary and specialty medical and surgical services, including ambulatory and emergency patient care. Our School of Medicine, Skaggs School of Pharmacy and Pharmaceutical Sciences, and Herbert Wertheim School of Public Health and Longevity Science are located within the UCSD campus located in La Jolla.

DBMI has research and/or service programs in the following areas: Clinical informatics, clinical research informatics, biomedical data modeling and ontologies, biomedical natural language processing and information retrieval, medical artificial intelligence, privacy technology, global health informatics, equity in informatics, and translational bioinformatics. Its annual extramural funding exceeds $23M/year. It is currently involved in several ambitious initiatives, including creating privacy-preserving networks to share research data and techniques to perform distributed analytics to enable comparative effectiveness research. Its faculty also play major roles in large NIH programs such as the All of Us Research Program (California Precision Medicine Consortium), RADx-rad Data Coordinating Center, and Bridge to AI Coordinating Center. Its educational portfolio includes pre-and post-doctoral training, supported by three training grants.

The selected candidates will be responsible for teaching and conducting research in the areas of biomedical informatics, including the design, implementation, and application of innovative tools, algorithms, and techniques that advance discovery, equity, and health outcomes. Areas of biomedical informatics that candidates may focus on include the following:
• Vital records informatics, public health informatics, and global health informatics
• Health data integration, privacy, security, and data sharing (i.e. Blockchain, FHIR/API)
• Health imaging informatics
• Artificial intelligence and predictive analytics in health (i.e. Machine Learning, Large Language Models, Natural Language Processing)
• Translational and applied biomedical informatics in precision medicine, bioinformatics, and genomics (i.e. PheWAS, GWAS,)
• Population health, quality, and health operational improvement informatics (i.e. Registries, Quality Improvement)
• Health data organization, modeling, standards, storage, retrieval, and mapping (i.e. Cloud-computing)

• Health research informatics
• Whole genome/exome sequencing analysis, or next-generation sequencing analysis with high throughput functional genomics assays like RNAseq
• Sophisticated computational methods to analyze and interpret high-resolution biological data sets with clinical relevance
• Clinical decision support, electronic health record applications, human-computer interaction, and workflow
• Digital health, wearables, and patient engagement
• TechQuity and equity

The successful candidates will also be able to build on their academic research career at UCSD with the potential for additional collaborations with other Departments in the School of Medicine, as well as across campus with the UCSD Jacobs School of Engineering, and Herbert Wertheim School of Public Health.

Candidates must have a doctoral degree in biomedical informatics, computer science, or related disciplines or have a health sciences doctoral degree (MD, OD, DMD, etc.).

Assistant Professor - (Tenure-track): Apply to: https://apol-recruit.ucsd.edu/JPF03601
Candidates must have evidence of training and published research that demonstrates their success in securing extramural funding (e.g., NIH, NSF).

The appointment at the Assistant Professor level will be based on the candidate's background and experience. Series will include 50% Ladder Rank / 50% In-Residence with secured extramural funding or 100% Ladder Rank.

Associate or Full Professor - (Tenured): Apply to: https://apol-recruit.ucsd.edu/JPF03602
Candidates must also have a successful track record as PI and/or substantial collaborations as Co-I with other PIs to secure extramural funding (e.g., NIH, NSF). Candidates must have original, peer-reviewed publications and must have strong management skills.

The appropriate series and appointment at the Associate or Full Professor level will be based on the candidate's background and experience. Series will include 50% Ladder Rank / 50% In-Residence with secured extramural funding or 100% Ladder Rank.

Assistant, Associate, or Full Professor (Non-Tenured): Apply to: https://apol-recruit.ucsd.edu/JPF03603
Candidates with first-authored peer-reviewed publications are preferred.

The appropriate series and appointment at the Assistant, Associate, or Full Professor level will be based on the candidate's background and experience.

A link to full descriptions of each series is provided for your review:
Ladder Rank Professor - see: http://www.ucop.edu/academic-personnel-programs/_files/apm/apm-220.pdf   In-Residence Professor - see: http://www.ucop.edu/academic-personnel-programs/_files/apm/apm-270.pdf
Clinical X Professor - see: http://www.ucop.edu/academic-personnel-programs/_files/apm/apm-275.pdf
HS Clinical Professor - see: http://www.ucop.edu/academic-personnel-programs/_files/apm/apm-278.pdf
Adjunct Professor – see: http://ucop.edu/academic-personnel-programs/_files/apm/apm-280.pdf

As a member of the Health Sciences Compensation Plan, the appointee should be aware that there are limitations on outside professional activities, and clinical moonlighting is expressly prohibited. Additional information can be found here: https://www.ucop.edu/academic-personnel-programs/_files/apm/apm-671.pdf

The posted UC Salary scales set the minimum pay at the appointment as determined by appointment type and if applicable, rank and/or step. The base pay range for this position is $100,000-$400,000. Salary is negotiated annually. Additional compensation may be available if the position includes membership in the Health Sciences Compensation Plan. UC Salary information can be found here: https://www.ucop.edu/academic-personnel-programs/compensation/2022-23-academic-salary-scales.html.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

The University of California prohibits smoking and tobacco use at all University controlled properties.

The UC San Diego Annual Security & Fire Safety Report is available online at: https://www.police.ucsd.edu/docs/annualclery.pdf. This report provides crime and fire statistics, as well as institutional policy statements & procedures. Contact the UC San Diego Police Department at (858) 534-4361 if you want to obtain paper copies of this report.

The University of California, San Diego is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, covered veteran status, or other protected categories covered by the UC nondiscrimination policy.