

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

DBMI has research and/or service programs in the following areas: Clinical informatics, clinical research informatics, bioinformatics, biomedical data modeling and ontologies, biomedical natural language processing and information retrieval, health artificial intelligence and machine learning, privacy technology, global health informatics, equity in informatics, population health informatics, quality informatics, vital records and public health informatics, and translational bioinformatics. Its annual extramural funding exceeds \$23M/year. It is currently involved in several ambitious initiatives, including precision medicine such as the NIH All of Us Program (via the Coast to Coast consortium) and real-time cloud computing sepsis prediction. Its faculty also play major roles in large programs and projects that support the NIH, Veterans Administration, CDC, and the State of California. Its educational portfolio includes pre- and post-doctoral training, supported by three training grants including a T15.

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

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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 at least three original, first-authored peer-reviewed publications.

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.) by the time of the appointment.

Candidates with active research grants with funding are preferred.

Apply to: <https://apol-recruit.ucsd.edu/JPF04004>

Appointments may require candidates to be self-funded.

Appointments will be at the Assistant or Associate Professor level in the Adjunct series. A link to full descriptions of each series is provided for your review: Adjunct Professor – see: <http://ucop.edu/academic-personnel-programs/files/apm/apm-280.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 \$117,000 - \$200,000. 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 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>

For the University of California's Affirmative Action Policy please visit <https://policy.ucop.edu/doc/4010393/PPSM-20>. For the University of California's Anti-Discrimination Policy, please visit <https://policy.ucop.edu/doc/1001004/Anti-Discrimination>.

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 statement & 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.