The Department of Biomedical Data Science (DBDS) at Stanford University seeks two faculty members to join the Department as Assistant Professors on the University Tenure Line. One of these faculty will be additionally jointly appointed as a Core Investigator at the Arc Institute. The successful candidates will be expected to contribute creatively and in depth to the analysis of biomedical data and their use to advance science and health. A PhD or equivalent degree in data science, biostatistics, statistics, biomedical informatics, clinical informatics, computer science, biomedical engineering or a related area is required.

Information about the Department of Biomedical Data Science is available at https://dbds.stanford.edu/. Information about the Arc Institute is available at https://arcinstitute.org.

The predominant criterion for appointment in the University Tenure Line is a major commitment to research and teaching. In line with the mission of the department, the research agenda of the faculty member should include the development and application of data analysis methods to address questions in biomedicine leveraging artificial intelligence (AI), machine learning, informatics, mathematical modeling, optimization and/or statistics. We anticipate that the successful candidate will devote 70–80% time to research and the remainder to teaching and other responsibilities.

For the joint position between DBDS and Arc, we are particularly interested in candidates with expertise on computational biology. The individual will hold a Stanford DBDS appointment with all rights and privileges afforded DBDS faculty. In addition, the Arc Core Investigator will have office and research space with the Arc Institute, and receive all rights and privileges afforded by the Arc Institute. For this joint appointment, DBDS and Arc are conducting independent search processes and candidates will be evaluated and selected by both committees. Two separate applications are required (see below).

For the position that will be housed entirely in DBDS, we welcome applications from the broad field of biomedical data science. We are especially interested in recruiting candidates with expertise in one or more of the following areas: large language models, generative AI, deep (reinforcement) learning, integration of -omics, imaging and EHR data, and/or statistical methods for complex data (e.g., high dimensional data and multi-level data).

Candidates need to indicate to which position they are interested in through the application process (interest in both positions is welcome, see instructions below).

Individuals appointed as Assistant Professors in the UTL will have completed one or two years of postdoctoral research experience. Their accomplishments during graduate and postgraduate training should already have stamped them as creative and promising investigators. If these individuals have not had formal teaching experience, they should have demonstrated during their postdoctoral training a commitment to develop the skills necessary for first-rate teaching. In short, the successful candidate must have demonstrated true distinction (or the promise of achieving true distinction) in research, and the capability of sustaining first-rate performance (or

the promise of this) in teaching appropriate to the programmatic need upon which the appointment is based.

The initial term of appointments will be four years. (2.4.J. Specific/Supplementary Criteria for Assistant Professors—Stanford School of Medicine Handbook)

The expected base pay range for this position is: $175,000-$242,000. It does not include all components of the School of Medicine's faculty compensation program or pay from participation in departmental incentive compensation programs. For more information about compensation and our wide-range of benefits, including housing assistance, please contact the hiring department.

Stanford University has provided a pay range representing its good faith estimate of what the university reasonably expects to pay for the position. The pay offered to the selected candidate will be determined based on factors including (but not limited to) the experience and qualifications of the selected candidate including equivalent years in rank, training, and field or discipline; internal equity; and external market pay for comparable jobs.

Stanford is an equal employment opportunity and 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, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University's research, teaching and clinical missions.

Interested candidates should submit following materials via the portal https://facultypositions.stanford.edu/en-us/job/494643/assistant-professor-of-biomedical-data-science:

1. Cover letter
2. Curriculum Vitae
3. Research statement (3-5 pages)
4. Teaching statement (1-2 pages)
5. Two representative publications
6. Three letters of recommendation

The cover letter should indicate to which position the candidate intends to apply (joint with Arc or not) and candidates interested in both positions should submit two separate cover letters.

The Department of Biomedical Data Science, School of Medicine, and Stanford University value faculty who will help foster an inclusive academic environment for colleagues, students, and staff with a wide range of backgrounds, identities, and outlooks. Candidates may choose to include as part of their research and teaching statements a brief discussion about how their work and experience will further these ideals. Additional information about Stanford's IDEAL initiative may be found here: https://ideal.stanford.edu/about-ideal/diversity-statement.

Candidates interested in the joint position with Arc are required to **additionally apply** through the Arc Institute here: https://arcinstitute.org/jobs/faculty-and-fellows, where more information on all aspects of the Core Investigator role, including salary ranges, is provided.

Applications will be reviewed starting November 3rd, 2023, until the position is filled.

For questions, please contact the Search Chair, Chiara Sabatti, at sabatti@stanford.edu.