

UNIL is a leading international teaching and research institution, with over 5,000 employees and 15,500 students split between its Dorigny campus, CHUV, and Epalinges. UNIL and CHUV encourage excellence, individual recognition, and responsibility. The Faculty of Biology and Medicine of the University of Lausanne ([FBM](#)), Switzerland, and the Lausanne University Hospital ([CHUV](#)) invite applications for a position of:

**Tenure-track Assistant Professor
toward associate Professor (PAST-PTC-PAS)
in Artificial Intelligence & Machine Learning for Biomedicine
within the CHUV Biomedical Data Science Center**

Starting date: to be agreed

Place: Lausanne, Switzerland

The Biomedical Data Science Center ([BDSC](#)) of the Lausanne University Hospital (CHUV) and the Faculty of Biology and Medicine of the University of Lausanne (UNIL) invite applications for a tenure-track appointment at the rank of assistant professor as part of a targeted expansion in biomedical data science. The BDSC is a new platform for translational research, education, and interdisciplinary science at the interface of the CHUV and the UNIL-Faculty of Biology and Medicine. Its mission is to promote the development and use of advanced data science and artificial intelligence (AI) techniques in medicine to accelerate data-driven insights that will improve patient care. BDSC faculty members enjoy highly collaborative and collegial interactions with local research institutions including the CHUV, UNIL, EPFL, the Ludwig Institute for Cancer Research, and the Campus Biopôle Lausanne which hosts research labs, and biotech companies from startup to pharma companies.

The appointee will develop competitive research programs in data science to study and understand a wide range of biological and clinical questions, including but not limited to single-cell analyses, systems biology, spatial transcriptomics, microbiome analysis, epigenomics, and visualization of complex data. Applicants must have a strong quantitative background in machine learning, artificial intelligence, computational biology, or (bio)statistics and experience working on biomedical and clinical data.

Main missions:

- Develop an independent and competitive research program in the field of Artificial Intelligence and Machine Learning for biomedicine with particular emphasis on methods for single-cell analyses, systems biology, spatial transcriptomics, microbiome analysis, epigenomics, and visualization of complex data.
- Collaborates with wet-lab scientists and clinicians within the institution.
- Contribute to the development of the Biomedical Data Science Center.
- Contribute to undergraduate and postgraduate teaching in the field.

Required profile:

- Ph.D. degree in data science, computational biology, bioinformatics, or related field.
- Demonstrated achievements in biomedical data science, documented by publications in peer-reviewed journals or conferences, as well as further academic achievements appropriate for junior scientists.
- Capacity to lead a research program that can attract external funding.
- Experience in leading a research unit and group in a biomedical environment, preferably clinical or hospital, would be a plus.
- Ability to work and communicate in a highly interdisciplinary scientific environment.
- Willingness to combine research and service activities, with a strong emphasis on translational and applied research.
- Good knowledge of French and fluent in English.

Further information may be obtained from Prof. Raphael Gottardo (Raphael.Gottardo@chuv.ch), Director of the CHUV Biomedical Data Science Center.

Applications, in English, should include i) a motivation letter, ii) a curriculum vitae, iii) a list of publications highlighting and summarizing the five most significant ones from the point of view of the candidate, iv) a brief statement (5 pages max.) of the past and future research, a summary of previous teaching experience, v) a copy of diplomas, vi) and the names and contact information of at least three references. Complete applications should be submitted online as a single PDF file to wwwfbm.unil.ch/releve/application by **April 16th, 2023 (23:59 GMT+1)**.

The detailed job description is available [at the same address](#) (or QR code).

We offer a pleasant working atmosphere in a multicultural, diverse and dynamic academic environment. There are possibilities for continuing professional education and a multitude of activities and other benefits to discover.

UNIL and CHUV are committed to promoting gender equality and diversity and strongly encourage applications from female candidates. www.unil.ch/egalite.

