

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. As an employer, UNIL encourages excellence, individual recognition and responsibility. The Faculty of Biology and Medicine ([FBM](#)) of the University of Lausanne is inviting applications for position of:

Tenure-Track Assistant Professor to the rank of Associate Professor in computational biology within the Department of oncology UNIL-CHUV

Starting date: to be agreed

Place: Lausanne, Switzerland

The CHUV and UNIL are seeking to recruit a scientist with outstanding expertise in computational immunology. The selected candidate will lead an independent research group in the [Department of Oncology](#) and may have an affiliation with the Lausanne Branch of the [Ludwig Institute](#) for Cancer Research at UNIL/CHUV. The mission of the future Assistant Professor will be to develop a highly competitive research program in the area of methods and tools development in computational biology, bioinformatics and machine learning for applications in immunotherapy, cancer immunology and tumor microenvironment research. These advances will enable the next level of understanding of immune cell and tumor microenvironment regulation and inferring complex immunological behaviors. The ultimate outcome of this research will be to enable developing more effective immunotherapy and T cell engineering approaches to treat cancer patients. The position involves research and teaching.

As a major part, the selected candidate will run and supervise a research group with activities focused on computational immunooncology. In this capacity, the candidate will have the opportunity to collaborate with several experimental and therapeutic groups within the Ludwig Branch in Lausanne, the extremely rich scientific community in Lausanne, and members of the international network of branches and centers of the Ludwig Institute. The selected candidate will also develop pre- and post-graduate teaching activities on computational biology, genomics and immuno-informatics. A candidate capable of advancing statistical and computational modeling of genomics data, multi-omics data integration, and translating models, methods, and findings into clinical applications is strongly preferred. The candidate is expected to act as a bridge between high-throughput experimental technologies (e.g., single-cell omics and spatial technologies), computational methods development, and researchers and clinicians at UNIL-CHUV, with the ultimate goal to use the power of the immune system to fight cancer.

UNIL is committed to promoting gender equality and diversity and strongly encourages applications from female candidates www.unil.ch/egalite.

Desired profile:

- Ph.D. degree in bioinformatics, computational biology, or related disciplines, with training in immunology.
- Outstanding research track record in the development and application of computational methods for omics data analysis.
- Demonstrated ability to conduct independent, internationally competitive research.
- Proven ability to establish collaborations with biomedical researchers and clinicians in immunotherapy, cancer immunology and tumor microenvironment research.
- Proven ability to lead a research group in an interdisciplinary translational biomedical research environment.
- Experience in obtaining competitive research grants.
- Proficiency in French (level at least B2, C1 ideally) or ability to acquire it quickly.

Contact: Pr Tatiana Petrova (tatiana.petrova@unil.ch) Director of the DOF and Pr George Coukos (george.coukos@chuv.ch), Director of the DO.

Applications, in English, should include 1) a motivation letter, 2) a curriculum vitae, 3) a list of publications highlighting the five most significant ones, 4) a brief statement of the past and future research, 5) a summary of previous teaching experience, 6) your vision of the field's development in the mid/long term, 7) names and contact information of at least three references, 8) a copy of diplomas and a valid ID card.

Full applications should be submitted online as a single PDF file to the [University's website](#) by **May 15th 2024 (23:59 GMT+1)**. **Only applications sent through this site will be considered.**

The job description is available on [the University's website](#) (or QR code).

