

Position of PhD student in biology

Introduction

UNIL is a leading international teaching and research institution, with over 5,000 employees and 17,000 students split between its Dorigny campus, CHUV and Epalinges. As an employer, UNIL encourages excellence, individual recognition, and responsibility.

Presentation

Prof. Thorsten Krueger (Service of Thoracic Surgery) and Prof. Lucas Liaudet (Service of Adult Intensive Care Medicine) are recruiting a PhD student for their joint laboratory located on the UNIL/CHUV site of Epalinges. The Laboratory of Thoracic Surgery investigates the mechanisms of lung preservation and ischemia/reperfusion injury and works with experimental models of lung transplantation and ex vivo lung perfusion.

Job information

Expected start date in position: 01.05.2023 / or to be agreed.

Contract length: 1 year, renewable 2 x 2 years, maximum 5 years

Workplace: Centre des Laboratoires d'Epalinges, UNIL/CHUV, Epalinges

Salary: based on SNSF scale for doctoral students at Lausanne University

Your responsibilities

The candidate will join a highly motivated group of researchers who study novel approaches allowing the reconditioning of donor lung using ex vivo perfusion before transplantation in order to reduce ischemia/reperfusion injury. The group focuses on methods that reduce tissue damage and inflammation and ameliorate the outcome of lung transplantation. The candidate will take part in state-of-the-art animal microsurgical procedures and conduct approaches in cell and molecular biology, biochemistry, and cell culture. The project will include animal surgery and wet lab experiments. The candidate is expected to closely collaborate with other group members and external collaborators.

Your qualifications

We are looking for highly motivated and talented candidates with a strong interest in thoracic surgery, lung transplantation, lung physiology and inflammatory responses to tissue damage. Applicants should hold a MSc degree (or equivalent) with a strong background in biology or medicine. Knowledge of wet lab techniques (basics in cell culture, molecular biology, biochemistry) is a plus. Willingness to work with animals is essential, together with a motivation to learn and develop new methods and techniques. Candidates should be excited about science, highly organized, and capable of working independently and within the team, and are expected to be fluent in English (spoken and written).

What the position offers you

The Laboratory of Thoracic Surgery is hosted at the Centre des Laboratoires d'Epalinges (CLE) at the University of Lausanne (UNIL) and Lausanne University Hospital (CHUV), a vibrant scientific community with access to state-of-the-art core facilities for genomics, proteomics, imaging, flow cytometry and bioinformatics. Embedded in the broader Lausanne research environment that includes two schools of higher education (UNIL, EPFL) and a cluster of biotech companies flourishing in the larger Lemman Lake area, we offer a great working place in a multicultural, diversified, and dynamic academic environment. The PhD student will be enrolled in the doctoral school of the Faculty of Biology and Medicine.

Contact for further information

Informal enquiries should be sent to

Prof. Thorsten Krueger: Thorsten.Krueger@chuv.ch

Prof. Lucas Liaudet: Lucas.Liaudet@chuv.ch

Your application

Deadline: until filled

Please submit your full application comprising: (1) short motivation letter detailing your research interests and experience, (2) CV, (3) a copy of your Master's degree certificate (or equivalent), and (4) contact details for 2-3 academic referees.

Only applications through this website will be considered.
We thank you for your understanding.

Additional information

UNIL is committed to equal opportunities and diversity.
www.unil.ch/egalite

UNIL supports early career researchers.
www.unil.ch/graduatecampus