

PhD position in abdominal transplantation

Ref. BAP-2023-531

We have a vacancy for a PhD student at the Research Group of Abdominal Transplantation.

We work to help donor organs function better and longer because every donor organ counts. We do this by focusing on improving results after solid organ transplantation by optimizing organ preservation techniques and ways to limit ischemia-reperfusion injury.

Our Group is part of the Department of Microbiology, Immunology and Transplantation at KU Leuven.
<https://gbiomed.kuleuven.be/english/research/50000698/50000664/>

Project

You will continue a running line of research investigating how kidney perfusion preservation works and how it can be improved.

Today's technology allows us to support donor organs outside the donor body. A miniature heart-lung machine provides oxygen and nutrients at different temperatures. Storing organs in this way - called dynamic preservation or organ perfusion - allows for a more physiological preservation method.

This research project focuses on investigating changes to the transcriptome and metabolome during pig kidney perfusion (hypothermic and normothermic). You will also test a new ferroptosis inhibitor in our available experiment models, including rodent and pig experiments.

Prof. dr. Ina Jochmans will be your supervisor.

Profile

- Master in medical sciences, with outstanding study results.
- Surgical experience (at least 2 years of surgical training) is an important asset.
- A background in the field of transplantation is a bonus but not a must.
- You are fluent in interdisciplinary English communication, spoken as well as written.
- You are flexible, resourceful, independent, quality-oriented, creative, and eager to emerge yourself in the complex but fascinating world of transplantation.

Offer

- A doctoral student research position with financing for the first year, starting from October 1st, 2023 (or January 1st if needed). This will be prolonged in case of positive evaluation after the first year.
- An exciting research opportunity to complete a PhD in a dynamic, stimulating work environment.
- Availability of experimental small (rodent) and large animal (pig) models and cutting-edge technologies in transplant research, immunology, microbiology and vascular pathobiology.
- The opportunity to actively take part in our clinical transplant and procurement program, depending on your training level and skills set.

Website of the Lab
Our organ perfusion models

Interested?

For more information please contact Prof. dr. Ina Jochmans via email ([ina.jochmans\[at\]kuleuven.\[dot\]be](mailto:ina.jochmans@kuleuven.be)), there might be some delay in reply because of holidays.

Interviews will be organised in September.

You can apply for this job no later than August 31, 2023 via the online application tool :
<http://www.kuleuven.be/eapplyingforjobs/light/60241940>

KU Leuven seeks to foster an environment where all talents can flourish, regardless of gender, age, cultural background, nationality or impairments. If you have any questions relating to accessibility or support, please contact us at diversiteit.HR@kuleuven.be.