

The Institute of Physiology II, University of Muenster, Germany, is offering a PhD position limited to 3 years

Salary according to TV-L E 13 (65%) starting as soon as possible

We are seeking a highly motivated doctoral candidate interested in tumor physiology on the cellular and molecular level to join our team at the Institute of Physiology II, University of Muenster, Germany, under the direction of Prof. Dr. Albrecht Schwab. Our research group has a strong track record in studying the role of ion transport in cell migration and tumor pathophysiology.

The PhD position is associated with a DFG (German Research Foundation) research project entitled “Interactions between K^+ and H^+ homeostasis in pancreatic cancer progression” awarded to Dr. Zoltan Pethö. This project aims to disrupt the local ion homeostasis in pancreatic ductal adenocarcinoma (PDAC) to attenuate tumor aggressiveness and strengthen chemotherapy effectiveness. Given the numerous functional connections of their respective transport proteins (“transportome”), this will be done by focusing on the interactions between K^+ and H^+ homeostasis.

Required Qualifications:

Applicants should be highly motivated and have, or soon obtain, an MSc degree (or equivalent) in medicine, pharmacy, biochemistry, cell biology / physiology, or a related field. Applicants should be team-oriented and have good communications skills. Finally, a high level of English competency is mandatory (B2/C1 level). German language skills are not a requirement but a willingness to learn German is expected.

Desired Qualifications:

Experience in any of the fields of ion transport and / or tumor biology, animal handling, live cell and immunofluorescence imaging, and Western blots are highly desirable.

For further information or informal inquiries please contact **Dr. Zoltan Pethö** (pethoe@uni-muenster.de). For an official online application at the University Hospital of Münster, please use the QR-code below.

We are looking forward to your **online-application including the reference number** until **03.08.2024**. Please include:

- A supporting statement (500 word max.) which should outline the reasons for wishing to undertake this project specifically, academic interests and prior research experience.
- Full CV
- Academic transcript (unofficial OK at this stage)
- The name and contact information of at least two referees

