

**Three years full-funded Ph.D. Position is available to study calcium signaling in inflammatory bowel disease**

**Position Description:**

Ph.D. position is currently available at EL-Najjar's Lab to study the involvement of calcium (Ca<sup>2+</sup>) signaling in ulcerative colitis (UC), a project funded by the Deutsche Forschungsgemeinschaft (DFG). The expected starting date is May 2022, leading to a successful dissertation.

Briefly, the project's overall aim is to describe Ca<sup>2+</sup> signaling in intestinal cells under inflammation/UC-induced conditions and evaluates the involvement of Ca<sup>2+</sup> and ER stress in the dysfunction of brush border membrane hydrolases and selected basolateral membrane proteins as encountered in UC. In addition, the effect of ER stress and Ca<sup>2+</sup> on protein folding, trafficking, and sorting of specific proteins from the apical and basolateral membranes will also be investigated through a different array of techniques.

**Qualifications:**

- Excellent and recent university degree (Master or equivalent) in Physiology, Biochemistry, Biology, Molecular Medicine, Pharmacy or related subjects
- A strong interest in basic research in a collaborative research environment
- Hands-on expertise in cellular (calcium) imaging, molecular biology, and various biochemistry techniques
- Ability to work independently in a structured, accurate, and reliable fashion
- Excellent oral and written English communication skills
- The German language is an asset but not a criterion for acceptance

**What we offer:**

- Ph.D. (E13 TV-L, 65%) salary for three years
- Exciting research and international collaborative environment
- Efficient supervision and mentoring

**To Apply:**

Highly motivated and committed applicants are encouraged to apply by January 31, 2022, in one PDF document (CV, letter of motivation, certificates, and the names and contact info of three referees) in English to [nahed.el-najjar@ukr.de](mailto:nahed.el-najjar@ukr.de).

For further queries about the post, please contact PD Dr. Nahed El-Najjar, University Hospital Regensburg, Faculty of Medicine, Institute of Clinical Microbiology and Hygiene, Franz-Josef-Strauß-Allee-11, 93053 Regensburg, Germany.

The University of Regensburg is particularly committed to supporting equal opportunities, diversity and promoting women in research and teaching. For more information, please refer to <https://www.uni-regensburg.de/equal-opportunities/chancengleichheit/startseite/index.html>.

Applicants with severe disabilities will be given preference in case of equal qualification.

**Selection procedure:**

After passing the first round of eligibility, short-listed candidates will be invited for interviews (to be announced later). Please note that we cannot cover any costs that may incur during an interview.