

## **PhD POSITION**

University of Freiburg  
Institute of anatomy and Cell Biology  
Department of Molecular Embryology

Applications are invited for a PhD position in the project entitled:

### **pH homeostasis in neural cells in health and disease**

We are searching for a highly motivated candidate who is interested in studying the molecular mechanisms controlling pH homeostasis in neurons and astrocytes.

The project deals with the functional analysis of acid-base transport proteins (V-ATPase, Na/bicarbonate cotransporter 1, NBCe1), crucial for intracellular pH regulation.

Work will involve molecular and functional characterization of the mechanisms underlying regulation of V-ATPase and NBCe1 in neural cells under physiological and pathophysiological (glioblastoma, epilepsy) conditions. Further information on the research activities of our group can be found on our homepage: <https://www.anatomie2.uni-freiburg.de/en/science/roussa>

The position is available from **February 1, 2019** onwards. Applicants with a strong commitment to science, expertise in primary tissue culture, cell/molecular biological methods, and interest to work with transgenic mice are encouraged to apply.

Please send your application including CV, research interests and list of publications as a single pdf file to [eleni.roussa@anat.uni-freiburg.de](mailto:eleni.roussa@anat.uni-freiburg.de)

Prof. Dr. Eleni Roussa, Institute of Anatomy and Cell Biology, Dept. Molecular Embryology, Medical Faculty, University of Freiburg, Albertstr. 17, D-79104 Freiburg