

TENURE-TRACK POSITION FOR BIOPHYSICAL SIGNALLING



INFORMATION FOR APPLICANTS

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1. General

The Department of Molecular and Membrane Biophysics of the Institute of Biophysics focuses on the investigation of molecular mechanisms of membrane transport.

2. Research

This tenure-track position is intended to strengthen the research activities of the Institute of Biophysics in the field of ion channel-mediated "signal transduction". The research topic is firmly integrated into the ongoing PhD program NanoCell. This research area is located at the interface between biophysics, biological chemistry (both TNF) and preclinical medicine (MedFak) and also offers perspectives for medical-oriented basic research. The successful candidate is expected to actively participate in setting up a NanoCell follow-up collaborative project.

Applicants must be able to demonstrate relevant experience in the field of ion channel research and related techniques, and to prove this through appropriate publications and, if possible, successful attainment of peer-reviewed, funded projects.

3. Teaching

Applicants are expected to contribute to biophysical teaching in the following programs: BSc Molecular Biosciences, MSc Molecular Biology, MSc Biophysics, and BSc and MSc Biological Chemistry.

The vast majority of courses are held in English, and the proportion of international students is high in the Master's programs and doctoral studies.

The position includes a teaching commitment of 4 hours per week per semester (after positive evaluation of the qualification agreement and permanent position, 8 hours per week per semester).

The job holder should have the following qualifications in the field of teaching:

- Teaching experience in biophysically oriented bachelor, master and / or doctoral programs at recognized universities or other academic institutions in English.
- Experience in the supervision of student theses and in academic examination.

4. Research infrastructure

The Institute of Biophysics, Department of Molecular and Membrane Biophysics has basic equipment in molecular biology and cell culture. As further infrastructure, confocal fluorescence microscopy (Nipkow disc) and patch clamp are available.

In the JKU the following major research resources are available: NMR Center, EU Metabolomics Laboratory, Supercomputer MACH2.

5. Additional Requirements

The successful candidate should have the following additional qualifications:

- Excellent command of spoken and written English.
- Social competence.
- High motivation, team spirit and communication skills.

6. Tenure (Qualification) Agreement

The decision to convert the position to a permanent position is made on the basis of a qualification agreement concluded between the position holder and the Rectorate. After a positive evaluation of the qualification agreement, the position will be converted into a permanent position as Associate Professor (§ 99 Sec (5) and (6) of the Austrian University Act). It is possible to be appointed to full professorship in a simplified appointment (§99, Sec 4 Austrian University Act).

Annual evaluations will focus on excellence in research and teaching, as well as international experience and attaining of third party funding.