



BioTechMed-Graz is a cooperative initiative between the University of Graz, the Medical University of Graz and the Graz University of Technology at the interface of basic biomedical research, technological developments and medical applications with the goal of conducting joint health research.

Within the cooperative project BioTechMed-Graz, the three partner universities are pursuing the goal of joining the forces of their existing competences within the four major research areas of 'Molecular Biomedicine', 'Neurosciences', 'Pharmaceutical and Medical Technologies' and 'Quantitative Biomedicine and Modelling' through the establishment of a joint cooperative platform.

BioTechMed-Graz is – besides other projects – focusing on the Postdoc-Pool, which aims at promoting young scientists with international background and integrating them in the framework of BioTechMed-Graz in order to support innovative research in Graz.

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For the project

***„Deciphering the lipid sensing machinery of TRPC channels – a step towards neuro-optopharmacology“*** the [Institute of Biophysics](#) at the Medical University of Graz is seeking to appoint  
a

### **Postdoc**

(fixed-term employment for the period of 2 years; position to be filled as of March 1, 2015)

#### **Contact person**

Univ.-Prof. Mag. Dr. Klaus Groschner, Institute of Biophysics, Medical University of Graz, E-mail: klaus.groschner@medunigraz.at, Phone: +43/316/380-4135

#### **Research partners**

Univ.-Doz. Dipl.-Ing. Dr. Georg Papst, Institute of Molecular Biosciences, University of Graz  
Ass.-Prof. Mag. Dr. Thoma Glasnov, Institute of Chemistry, University of Graz  
Ass.-Prof. Dipl.-Ing. Dr. Heinz Amenitsch, Institute of Inorganic Chemistry, Sincrotrone Trieste Group, Graz University of Technology

#### **Research topics**

The project is focused at the identification of molecular structures involved in chemical/lipid-sensing by TRPC channels using a protein purification/reconstitution approach combined with structure-guided mutagenesis. Long term goal is the development of strategies for optopharmacological/optogenetic control of neuronal TRPC channels.

#### **Professional qualifications:**

- PhD or equivalent degree in a field related to Biomedical Sciences
- Solid background knowledge in electrophysiology and molecular biology
- Experience in biophysical and biochemical characterization of ion channel proteins
- Experience in structure-guided mutagenesis
- Research experience in the TRP channel field is of advantage

#### **Personal profile:**

- Communicative and organizational skills
- Ability and interest to work in an interdisciplinary team
- High level of motivation and goal orientation

The minimum salary as stated in the collective agreement for universities and according to the classification scheme (B1) is EUR 3,483.30 gross/month (Postdoc).

Application Deadline: **October 21, 2014**

Applicants should send a CV including complete list of publication, brief statement of past achievements and three letters of reference to [klaus.groschner@medunigraz.at](mailto:klaus.groschner@medunigraz.at).

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If you have any questions please contact Univ.-Prof. Mag. Dr. Klaus Groschner, Institute of Biophysics, Medical University of Graz, E-mail: [klaus.groschner@medunigraz.at](mailto:klaus.groschner@medunigraz.at), Phone: +43/316/380-4135.

Further information can be found at [www.biotechmedgraz.at](http://www.biotechmedgraz.at)