



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

***“Optimal Control Techniques for Electrocardiology”*** the [Institute of Mathematics and Scientific Computing](#) at the University of Graz is seeking to appoint a

### **Postdoc**

(fixed-term employment for the period of 2 years; position to be filled as of now)

#### **Contact person**

Prof. Karl Kunisch, Institute of Mathematics and Scientific Computing, University of Graz, E-mail: [karl.kunisch@uni-graz.at](mailto:karl.kunisch@uni-graz.at), Phone: +43 (0) 316 380 - 5160 (5162)

#### **Research partner**

Prof. Gernot Plank, Institute of Biophysics, Medical University of Graz

#### **Research topics**

Applied mathematics, modelling, optimal control of the electrical activity of the heart (bidomain equations).

#### **Professional qualifications**

Solid background and experience in numerical analysis of partial differential equations, optimization theory and its numerical realization, optimal control, applied functional analysis.

#### **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**

Applications should be sent with a detailed cv including publication list, a brief statement of past achievements and research interests to: [michaela.seiwald@uni-graz.at](mailto:michaela.seiwald@uni-graz.at).

#### **Karl-Franzens-Universität Graz**

621 Institut für Mathematik und Wissenschaftliches Rechnen  
Heinrichstraße 36  
8010 Graz

If you have any questions, please contact Prof. Karl Kunisch, Institute of Mathematics and Scientific Computing, University of Graz, E-mail: [karl.kunisch@uni-graz.at](mailto:karl.kunisch@uni-graz.at), Phone: +43 (0) 316 380 - 5162 (5160).

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