



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

**“Integrative Omics to Elucidating Lipolysis in Cancer”**

the Computational Biotechnology group at the Graz University of Technology's Institute of Molecular Biotechnology is seeking to appoint a:

**Postdoctoral Fellow**

(fixed-term employment for the period of 2 years; position to be filled as of November 1<sup>st</sup>, 2015 or later if necessary)

**Contact Person**

Univ.-Prof. Dr. Christoph W. Sensen, Institute of Molecular Biotechnology, Graz University of Technology, E-mail: [csensen@tugraz.at](mailto:csensen@tugraz.at), Phone: +43 (0) 316 873 – 4090, WWW: <http://bioinformatics.at/sensencw>

**Research Partner**

Assoc.-Prof. Dr. Ruth Birner-Grünberger, Institute of Pathology, Medical University of Graz, WWW: <http://omicscentergraz.at>

## Research Topics

The successful candidate will work in collaboration with scientists from the Omics Center Graz on the integration of multi-omic data with the goal of investigating molecular pathways and networks related to cancer metabolism.

- Integrative Omics to Elucidating Lipolysis in Cancer
- Molecular Bioinformatics and Systems Biology
- Biological Network Analysis and Modeling
- Software Development

## Professional Qualifications

- PhD or doctoral degree in bioinformatics/computational biology or closely related discipline
- Outstanding research and publication record in bioinformatics and computational biology
- Experience in the creation of computer programs for Bioinformatics, including visualization of the results via Web-based user interfaces.
- Experience in the handling of Mass-Spec data, Proteomics and Metabolomics data, as well as Transcriptomics data.
- Experience in the integration of molecular biological data, especially data related to Metabolomics approaches, Gene Expression studies and Proteomics data.
- Experience in the development of data mining strategies.

## Personal Profile

- Interdisciplinary communication and team competence
- Excellent English language skills

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 31<sup>st</sup>, 2015 at noon European Central time. Complete application documents should be submitted to Prof. Dr. Christoph W. Sensen (csensen@tugraz.at). The application should comprise the following documents: cover letter (with research interests and description of programming skills), *Curriculum Vitae* (with lists of peer-reviewed publications, posters projects, invited talks, download links for master and PhD theses, and contact details of 2-4 references, including e-mail addresses), as well as scanned copies of university certificates.

If you have any questions, please contact Univ.-Prof. Dr. Christoph W. Sensen, Institute of Molecular Biotechnology, Graz University of Technology, E-mail: csensen@tugraz.at, Phone: +43 (0) 316 873 – 4090, WWW: <http://bioinformatics.at/sensencw>.