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Eurac Research is looking for

Postdoctoral researcher
in Computational Metabolomics

The Institute for Biomedicine is seeking a highly motivated researcher to join the Computational Metabolomics team.

The Institute for Biomedicine is home to an international and interdisciplinary team of scientists, students and support staff, integrated in an excellent network of international and national partners. Living and working in Bozen/Bolzano allows you to experience a unique combination of alpine and Mediterranean culture right at the heart of one of the most exciting mountain regions in Europe.

The Institute for Biomedicine is running the Cooperative Health Research in South Tyrol (CHRIS) study, a population-based study on cardiometabolic and neurological health of 13,000 general population subjects [1] that excels with a high participation rate from complete families. From this population study, targeted (Biocrates p180) and (HILIC) LC-MS-based untargeted metabolomics data are available for 7,500 individuals. The Computational Metabolomics group of the Institute contributes to a variety of software packages, including xcms, MSnbase [2] and other mass-spectrometry related software [3]. The second strong focus of the group is on the planning of metabolomics experiments and on the analysis of metabolomics data sets generated at the Institute. The successful candidate will hence perform analyses of large-scale metabolomics experiments, contribute to software development and is expected to write scientific articles.

[1] https://doi.org/10.1186/s12967-015-0704-9
[2] https://doi.org/10.1101/2020.04.29.067868
[3] https://RforMassSpectrometry.org

Tasks
- Analyze large scale targeted and untargeted metabolomics data sets.
- Investigate metabolic profiles in relation to family structure within a population study-based data set.
- Identify metabolic profiles related to health, lifestyle and nutrition.
- Integration of metabolomics and genotype data.
- Annotation and identification of features identified by LC-MS experiments.
- Implement and extend software for the analysis of untargeted metabolomics data.
- Present results and/or software at international conferences.
- Write scientific articles.

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Requirements
- PhD or equivalent with experience in computational biology, bioinformatics, metabolomics, analytical chemistry or a related field.
- Experience in the analysis of LC-MS-based metabolomics data.
- Proficient R-software usage. Software development skills are beneficial.
- Good communication skills; fluent in the English language.
- Team-working ability.

We offer
- A one-year full-time position with the possibility of extension (up to 3 years).
- A collaborative work environment with multidisciplinary teams of experts from different fields of biomedical research.
- Access to cutting-edge data and computational resources.
- Attractive living and working conditions.

How to apply
Interested candidates should submit their application (CV, cover letter, reference contacts and further relevant documents) within **30.06.2020** via email to jobs.biomedicine@eurac.edu stating "Researcher in Computational Metabolomics" as subject:

Eurac Research
Institute for Biomedicine
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Email: jobs.biomedicine@eurac.edu- www.eurac.edu
Tel: +39 0471 055 500 / Fax: + 39 0471 055 599

Information about the Institute is available at: http://www.eurac.edu/en/research/health/biomed

For further information please contact Johannes Rainer (johannes.rainer@eurac.edu).

Please attach, after reading the privacy policy in compliance with the EU Regulation No. 2016/679 (GDPR) and the national legislation, the following consent to your personal record: 'I have read the privacy policy under http://www.eurac.edu/en/aboutus/Jobs/Pages/default.aspx and hereby authorize Eurac Research to use my personal data in accordance to EU Regulation No. 2016/679 and national legislation.' **We inform you that we will not be allowed to consider any application without this compliancy declaration.**

Please add the following consent if it is of interest to you: "I hereby explicitly authorize Eurac Research to store my personal data for the purpose of being contacted for potential future job openings".