Job posting

Type of position
☑ scientific
☐ administrative

Target group
☐ graduates
☑ post docs
☐ other

Title
University Assistant (post doc)
at the Department of Analytical Chemistry,
Faculty of Chemistry, University Vienna

Institution

Position
University Assistant (post doc)
at the Department of Analytical Chemistry

Reference number: 10728

Applications are invited for a Postdoctoral Research in multi-omics supported constraint-based analysis of cancer metabolism. This is a position associated to the group of Prof. Jürgen Zanghellini, to work on the application of computational systems biology methods for understanding cancer progression and identification of drug targets. The successful candidate will join a thriving international research team combining expertise in mathematical modelling, data science and high-performance computing in order to understand cellular functions at the systems level.

Duration of employment: 3 years
Extent of Employment: 40 hours/week
Job grading in accordance with collective bargaining agreement: §48 VwGr. B1 lit. b (postdoc) with relevant work experience determining the assignment to a particular salary grade.

Responsibilities
This position is ideally suited for an ambitious early career researcher with a background in computational (systems) biology, bioinformatics, data science and/or mathematics. The successful candidate will be highly motivated with an excellent research track record and a desire to pursue multidisciplinary research. In addition, we expect active participation in research, teaching and administration. This involves:
- Development and application of constraint-based methods and data science approaches
- Research that complements the activities of the group
- International publications and presentations
- Contributions to project applications and the acquisition of third-party funding  
- Scientific publications and presentations  
- Scientific and technical support of group members  
- Independent teaching of courses as defined by the collective agreement  
- Supervision of students  
- Participation in evaluation measures and quality assurance  
- Involvement in the department administration as well as in teaching and research administration

**Requirements**

Doctoral / PhD degree in (computational) systems biology, (bio)informatics, data science or related subjects.  
* Good communication skills and ability to work in a team  
* Profound experience in programming, ideally in Python and R  
* Proven ability to publish in highly ranked international journals  
* Excellent command of written and spoken English

Furthermore, the following skills/expertise will be an asset:  
* Experience with (unbiased) constraint-based methods  
* Experience in external fundraising  
* Experience in teaching

In addition, we expect the successful candidate to have  
- Teaching experience / experience of working with e-learning  
- Experience of working on research projects  
- Publications in renowned, subject-relevant media (peer-reviewed, depending on the professional standards)  
- International presentation experience

Desirable qualifications are:  
* Knowledge of university processes and structures  
* Experience abroad  
* Experience of supervising students

Application documents:  
* Letter of motivation  
* Academic curriculum vitae (including a list of publications, a list of courses and a list of talks given)  
* Description of research interests and research agenda / of the intended habilitation project (if applicable)  
* Contact details of people who could provide a letter of reference

Research fields:  
Main research field: Computer Science  
Special research fields: Bioinformatics  
Importance: must
Education:
Educational institution: University
Educational level: Mathematics, Computer Sciences
Special subject: Bioinformatics
Importance: must

Languages:
German:
Language level: good knowledge
Importance: can
English:
Language level: excellent knowledge
Importance: must

Computer-Skills:
Type of computer skills: basic knowledge
Specified computer skills: others
Importance: should

Application procedure (deadline etc.)
Applications including a letter of motivation (German or English) should be submitted via the Job Center to the University of Vienna (http://jobcenter.univie.ac.at) no later than 16.04.2020, mentioning reference number 10728.

The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (http://diversity.univie.ac.at/). The University lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.
Human Resources and Gender Equality of the University of Vienna
Reference number: 10728
E-Mail: jobcenter@univie.ac.at
Privacy Policy of the University of Vienna

Contact
For further information please contact Hilbert, Andrea +43-1-4277-52301, Zanghellini, Jürgen.