Postdoctoral Scientist - Metabolism and Systems Biochemistry : 10117 Berlin, Germany

The Charité – Universitätsmedizin Berlin is Germany’s largest and most research intensive Medical Faculty, known, for instance, from the award of eleven Nobel Prizes.

We are looking for an enthusiastic postdoctoral scientist to join Prof. Markus Ralser’s laboratory at Institute for Biochemistry of the Charité – Universitätsmedizin Berlin. Ralser’s laboratory is world-renowned for its studies that understanding how cellular metabolism, the network of biochemical reactions in the cell, is regulated, how it evolved and how it maintains functional integrity in the ever changing environment the cell is exposed to. This research addresses fundamental problems in the life sciences, where knowledge about cellular metabolic systems is required to develop new therapeutics and to understand the molecular basis of disease.

Your area of responsibility

We are currently generating a large multi-omic network, in which the metabolic phenotype of a yeast cell will be linked to all of its genes. We have created a library of ~5,000 gene deletions strains with a functional metabolism, have recorded metabolomes for all of them, and are in the process of acquiring a proteome for them. We currently aim to expand this endeavor by recording single-cell transcriptomes and lipidomes, and aim to expand our computational efforts to explain phenotype from the molecular layers. The project should pave the way to develop functionally predictors out of human omic data, for instance genomes or proteomes, for disease progression. The post offered is hence attractive both for computational and experimental biologists.

Further reading:

The activity serves the own further scientific qualification.
Your profile

- PhD, or Research Doctorate, in the basic sciences
- Productivity documented in published research articles or patents;
- If computational, experience in the handling of large datasets, and respective programming and statistical skills
- If experimental, experience in the conduction of systematic, perhaps large-scale, experiments
- Desirable are experimental skills in Microbiology and Biochemistry

Ref. No

CC02-10.18

Start

October 1st, 2018

Length of employment

limited until September 30th, 2021 (option on extension)

Working time

39 hours per week

Salary

E13 TVöD VKA-K

Employees are grouped into pay scales according to their qualifications and personal requirements. You can find our collective bargaining agreements (Tarifverträge) here: https://www.charite.de/en/careers

Contact Person

Prof. Markus Ralser
e-mail: markus.ralser@charite.de
Website: https://ralser-sysbiol.crick.ac.uk/
Tel: +49 (0)30-450 528142 (Office)…

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- Apply

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Job details
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Charité - Universitätsmedizin Berlin, Institute of Biochemistry
Website
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Location
• Charitéplatz 1 (Campus: Virchowweg 6), 10117 Berlin, Berlin, Germany
Posted
15 minutes ago
Expires
September 16, 2018
Job type
Postdoctoral
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Qualifications
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