



The environment needs
people like you
who put heaven and
earth in motion with us. →



Your application:

Equal opportunities are an integral part of our personnel policy, we therefore particularly welcome applications from qualified women. Severely disabled persons are given priority where applicants are equally qualified.

Your contact for any questions you may have about the job:

Dr. Ulisses Nunes da Rocha
ulisses.rocha@ufz.de

Please apply by sending your CV, a motivational letter and two references (including referent contact details)

Place of work: Leipzig

Closing date for applications:

April the 30th of 2017

Please use our online application system for your application:

www.ufz.de/career

Helmholtz Centre for Environmental Research
GmbH – UFZ

Permoserstraße 15
04318 Leipzig

[Apply here](#)

The Helmholtz Centre for Environmental Research (UFZ) with its 1,100 employees has gained an excellent reputation as an international competence centre for environmental sciences. We are part of the largest scientific organisation in Germany, the Helmholtz community. Our mission: Our research seeks to find a balance between social development and the long-term protection of our natural resources.

We seek an enthusiastic postdoctoral researcher to join the new Microbial Systems Bioinformatics group led by Dr. Ulisses Nunes da Rocha. Our new group strives to advance risk assessments of chemicals in terrestrial environments by improving prediction of the fate of chemicals based on microbial community 'Big Data'. The selected candidate will that scales metabolic interaction models to the high diversity found in complex microbial communities.

Postdoc position in Community Systems Biology

working time 100 % (39 hours / week), start: 01.06.2017, limited to 2 years with the option of prolongation to a total of 3 years

Your tasks:

- Mining molecular microbial physiology databases
- Partial and genome-scale metabolic network reconstruction
- Data analysis using advanced statistics mainly using python and R based multivariate statistics, modeling and network analysis toolboxes.
- Co-supervision PhD students and Supervision of M.Sc. students
- Teamwork within the working group and other collaborating projects in joint data synthesis activities for own and joint publications.
- Writing high-ranking scientific publications and data presentation in conferences.

Your profile:

- PhD in computational biology, bioinformatics or systems biology with a background on microbial ecology or microbial physiology
- The ideal candidate has demonstrated experience in working with genome-scale metabolic reconstruction, network analysis or graph theory. Additional experience in working with 'omics' databases (in particularly high-throughput DNA or RNA-seq), Python (additional languages are an advantage) and use of related bioinformatics is an advantage
- Solid experience in scientific publishing attested by first authored publications in ISI listed journals
- Ability to work in an interdisciplinary team
- Proficient spoken and written English language skills

We offer:

- Excellent technical facilities which are without parallel
- The freedom you need to bridge the difficult gap between basic research and close to being ready for application
- Work in inter-disciplinary, multinational teams and excellent links with national and international research networks
- A vibrant region with a high quality of life and a wide cultural offering for a balance between family and professional life
- Interesting career opportunities and an extensive range of training and further education courses
- Remuneration with the TVöD public-sector pay grade 13 including attractive public-sector social security benefits

