

For more information:
Tiziana Cubeddu
International cooperation and Mobility Programs Office
tel. +39 070 675 8442
email: tcubeddu@amm.unica.it bandi.internazionali@unica.it

by Alexandra Radics

REF. N. 15_18

Job Description:

Job title: 1 PostDoc position in CHEMISTRY

Name of Organisation: Research Centre for Toxic Compounds in the Environment (RECETOX) - Masaryk University

Country: Czech Republic

City: Brno

Main research fields: Chemistry

Sub research fields: Biochemistry, metabolomics in Alzheimer's Disease

Application deadline: 27/04/2018

Required Education:

Level: PhD degree received in the past 5 years

Fields: Chemistry, biochemistry, biological sciences or related multidisciplinary field.

Language skills:

Required languages: English

Level: Good

Required research experiences:

The candidate should have the experience with mass spectrometry-based techniques and modern liquid chromatography concepts, set-up, operation, and maintenance

Application details:

Research project title: Transformative stem cell-based model of Alzheimer's disease and advanced analytics to study the role of membrane lipids in the pathogenesis

Job description: The PostDoc associate will design and execute experiments to determine levels of membrane lipids and proteins primarily involved in Alzheimer's disease pathogenesis and apply them to in vitro model based on cerebral organoids derived from human embryonic stem cells as well as to clinical samples. The candidate will perform research on innovative multidisciplinary project combining advanced analytical technology with cutting-edge cell biology, further providing a unique opportunity to transform the field of Alzheimer's disease research.

Job starting date: By agreement

Duration of job: 1 year, possible to extend according to the performance and funding.

Status: Full-time

Benefits:

- Work on challenging scientific project and important healthcare problem with the opportunity to publish results in prestigious international journals;
- Opportunities towards independent scientific career;
- International and dynamic team and informal research environment with state of the art instrumentation and collaborative projects with international partners.

Salary: Competitive salary and employee benefits (6 weeks of paid vacation per year, pension insurance contribution, contribution to lunches in canteens of MU or meal vouchers, language courses etc.).

Additional requirements:

- Track record of publications in peer-reviewed scientific journals (WoS, SCOPUS);
- Ability to prioritize multiple responsibilities, troubleshoot technical issues, and develop and execute detailed technical protocols;
- Programming skills and experience with advanced data processing and bioinformatics;
- International experience (outside the Czech Rep.).