

2 postdoc positions: Lipidomic analysis by mass spectrometry

Where: University of Pardubice, Faculty of Chemical-Technology, Department of Analytical Chemistry

Duration of contracts: 1. 6. 2017 (or based on mutual agreement) – 30. 6. 2018, possible extension in case of funding of other projects.

Deadline: the end of May 2017, eventually until the selection of both candidates.

Salary: the basic salary rate is in accordance of internal rules of University of Pardubice 27,180 CZK plus other personal benefits determined according to previous experimental experiences and achieved results.

We offer:

1/ Work on ERC CZ grant project "Mass Spectrometry in Cancer Research: Lipid Biomarkers for Early Diagnostics".

2/ Lipidomic analysis of body fluids (mainly plasma and urine) and other types of biological samples for cancer patients and healthy volunteers using the newest mass spectrometry and chromatography techniques:

- ultrahigh-performance supercritical fluid chromatography – mass spectrometry coupling (UHPSFC/MS),
- shotgun MS analysis,
- mass spectrometry imaging using MALDI with Orbitrap analyzer,
- several other UHPLC/MS, HPLC/MS and GC/MS systems with various types of mass analyzers (Q-TOF, quadrupole – linear ion trap, ion trap, ion mobility).

3/ Presentation of obtained results on leading international and national conferences, possibility of research stays abroad in leading lipidomic groups.

4/ Possible accommodation in facilities of University of Pardubice.

We expect:

1/ Deep interest in the scientific work and high working effort.

2/ Theoretical background and experimental experiences with mass spectrometry, LC/MS, eventually SFC/MS.

3/ Good communications skills in English language.

4/ Previous experiences with lipids and lipidomic analysis are advantageous, but not an obligatory requirement.

Contact and information:

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