

Call for PhD Students in Analytical Chemistry

Lipidomic analysis by mass spectrometry

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

When: from October 1 (each year)

Deadline for applications: the end of April annually (please contact me first),
<http://www.upce.cz/english/fcht/study/doctoral-study/analytical.html>

Salary: the basic stipend in the first year is 10,000 CZK net with other personal benefits from grant projects based on the work progress, in other years 10,000 / 12,000 / 15,000 CZK depending on the evaluation of year progress report.

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 in chromatography and mass spectrometry, experimental experiences are advantageous but not required.

3/ Good communications skills in English language.

4/ Good computer skills.

Contact and information:

Prof. Michal Holčapek, Ph.D.

University of Pardubice

Faculty of Chemical Technology, Department of Analytical Chemistry

Studentská 573, 53210 Pardubice

Czech Republic

Phone: +420 466 037 087

Email: Michal.Holcapek@upce.cz

<http://holcapek.upce.cz/>