

## 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:**

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/>