

Postdoc (junior researcher) position at Palacký University, Olomouc, Czech Republic

We advertise a vacant postdoc position in the research division Nanotechnology in analytical chemistry of the Regional Centre of Advanced Technologies and Materials, Faculty of Science, Palacký University (<http://www.rcptm.com/research-divisions/nanotechnology-in-analytical-chemistry/>). The position will be funded beginning from July 2012 for three years. The research will be focused mainly on the study of ionization and mass spectrometric method development and will be realized within the project focusing on:

- study of desorption/ionization mechanisms involved in nano-DESI, CF-EDESI, DAPCI and DAPPI and investigation of decisive factors influencing efficiency of ion sources;
- evaluation of matrix effects (inorganic ions, proteins etc.) influencing the analyte ionization;
- testing of different means of matrix elimination (SPME, single drop extraction...);
- testing of optimized and developed instrumental setup in forensic applications, food control and clinical applications.

We offer participation in an interesting research in a well harmonized team, laboratories equipped with sophisticated instruments (e.g. UHPLC/Q-TOF, CE/QqQ), good wage conditions. We appreciate flexibility and high working capacity. The starting salary between 35 000 – 42 000 CZK can be expected according to experience and a publication record of an applicant.

Formal requirements:

- Ph.D. or equivalent in Analytical Chemistry, Physics or Chemistry (graduation 2009 – now);
- good publication record;
- ability to communicate in English;
- experience in the development of analytical techniques and methods;
- experience in organic mass spectrometry will be appreciated;

Applications for this position (with the curriculum vitae, a list of publications and two letters of recommendation attached) can be submitted via e-mail to Karel.Lemr@upol.cz.

Junior researcher position at Palacký University, Olomouc, Czech Republic

We advertise a vacant junior researcher position in the research division Nanotechnology in analytical chemistry of the Regional Centre of Advanced Technologies and Materials, Faculty of Science, Palacký University (<http://www.rcptm.com/research-divisions/nanotechnology-in-analytical-chemistry/>). The position will be funded for three years with a possibility to continue under a follow-up research project. The research will be focused mainly on the method development using ICP-MS with laser ablation and will be realized within the project focusing on:

- surface analysis of geological and geochemical systems by laser ablation ICP-MS (e.g. uranium ores);
- elemental analysis and isotopic ratio determination of archaeological and anthropological samples (e.g. skeletal and dental findings);
- study of natural and artificial nanomaterials by laser ablation ICP-MS;
- analysis of clinical samples (e.g. blood, bones, tissue, implants);
- elemental and isotopic analysis of biological and food samples.

We offer participation in an interesting research in a well harmonized team, laboratories equipped with new sophisticated instruments (e.g. excimer laser ablation ICP-TOF analyser), good wage conditions. We appreciate flexibility and high working capacity. The starting salary between 35 000 – 42 000 CZK can be expected according experience and a publication record of an applicant.

Formal requirements:

- Ph.D. or equivalent in Analytical Chemistry, Physics or Chemistry;
- good publication record;
- ability to communicate in English;
- experience in the development of analytical techniques and methods;
- experience in mass spectrometry and/or other spectroscopic methods for trace elemental analysis and/or in laser ablation will be appreciated;

Applications for this position (with the curriculum vitae, a list of publications and two letters of recommendation attached) can be submitted via e-mail to Karel.Lemr@upol.cz.