

Wielkopolski Centre for Advanced Technologies seeks an outstanding candidates in Materials Sciences for two post-doc positions in the project „New mesoporous materials as active fillers”. Candidates should hold a Ph.D. in physical chemistry, chromatographic sciences, polymer chemistry, or a related field. Candidate will have a three year experience in research and an initial track of publications/conference proceedings. Starting experience of application of chromatographic methods for physicochemical characterization of wide range of materials, including their synthesis and structural characterization is an advantage.

Co-investigators on post-doc position will be selected in open competition for the position where leader of the project will act as chairman of the commission (in accordance of financial rules of OPUS projects).

Co-investigators on post-doc will be expected to co-operate with other members of project staff. We are looking for an independent and creative scientist with a background in physical chemistry, chromatography and some experience in polymer science. Teamwork skills are an advantage.

We offer a stimulating interdisciplinary research environment in the field of application of chromatographic methods and fascinating scientific possibilities at an international state of the art facility. Working language is Polish and English.

The research project will focus on physicochemical characterization of various materials including biomaterials. The candidate will be responsible for preparation, optimization of the composition and further characterization by physicochemical methods (IGC, ILC, SEM, FTIR, TG, DSC, DMTA, ICP-MS).

Duties and responsibilities:

1. Participate in supervised research in the area of physicochemical characterization by means of inverse chromatographic methods.
2. Cooperate with the other members of project staff in the project subject matter.
3. Actively participate in scientific conferences and workshops devoted to the project subject matter.
4. Contribute to the public profile of Poznań University of Technology and Wielkopolska Centre for Advance Technologies science activity.

Criteria Essential Desirable

Education and Qualifications

Ph.D. in suitable discipline

Experience

In the area of physical chemistry, polymer chemistry or chromatography.

Knowledge

Chromatographic characterization of inorganic and organic materials, structural analysis, polymers, natural and synthetic fillers, thermal analysis.

Skills/aptitudes

Practical skills including laboratory synthesis and use of advanced characterization techniques.

Paper and report writing.

Remuneration – 46 000 PLN for 23 month.

Submission deadline: April 21, 2017