

## Opening for a PhD Student position

**Institution:** Group of Molecular Films Research, Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw (supervisor Prof. Włodzimierz Kutner, Ph.D., D.Sc.) and Faculty of Mathematics and Natural Sciences. School of Sciences, Cardinal Stefan Wyszyński University in Warsaw (co-supervisor Renata Rybakiewicz, Ph.D.).

**Position starts on:** November 1, 2016.

**Funding:** 1570 PLN (non-taxed/stipend), 583 PLN (before tax, ¼ Research Assistant position and additional funding during first two years (1000 PLN, research within the NCN Opus 10 Project No. UMO-2015/19/B/ST4/03743).

**Deadline for application:** September 30, 2016, before 3.00 p.m.

### Selective recognition of selected pharmaceuticals in complex biofluid matrices

Determination of drugs in biological matrices, e.g., plasma serum, urine, saliva, is necessary for understanding drug pharmacokinetics and, therefore, it is an important step of drug discovery and development. Hence, the main goal of this Project is to develop fast and reliable methods for determination of chosen drugs of modern therapy in complex biofluid matrices. For that, we will use molecular imprinting. This imprinting allows preparing selective, chemically stable, and robust MIPs capable of analyte recognition. Then, we will use these MIPs as separation elements and recognition units in chemosensors and nanoparticles, respectively. Importantly, we will devise and prepare MIPs dedicated for separation and determination of the chosen drugs.

### Requirements

1. Master of Science (or equivalent) degree preferably in chemistry or physics awarded not earlier than five years before the deadline of the present recruitment.
2. Experience in organic synthesis and electroanalytical chemistry.
3. Optionally, scientific publications and organizational activity in science.

### Complete application should include the following items

1. Employment application
2. Professional curriculum vitae
3. University degree diploma and MSc certificate
4. Optionally, a list of scientific achievements (publications, patents, conference presentations, etc.)
5. At least one letter of recommendation written by a university professor

6. As part of the recruitment procedure, the Recruitment Commission will invite candidates to present their previous research either in person or via skype teleconference.

**Inquires and applications should be sent by e-mail to Prof. Włodzimierz Kutner at [wkutner@ichf.edu.pl](mailto:wkutner@ichf.edu.pl)**