Call for applications

Ph.D. student opening (4 years)
at the International Ph.D. in Chemistry Studies
of the Institute of Physical Chemistry (IPC PAS)

is available within the Marie Curie Research Training Network, RTN, *Nanomaterials for Application in Sensors, Catalysis and Engineering Technology*, NASCENT, funded for 3 years by the European Commission and for 1 year by IPC PAS. Nationals of the European Union member countries (except Poland) as well as the candidate and associate states are welcome, starting 9 October 2006. (Exceptionally qualified candidates from outside EU will also be considered.)

The NASCENT network is focused on the development and manufacture of *molecularly imprinted micro- and nanostructured polymers for selective application in catalysis, analysis and sensors*. Multidisciplinary academic and industrial partners from different European countries participating in the network are involved in the molecularly imprinted polymer, MIP, research. The network provides a unique training platform featuring broad expertise, multisectorial environments and international experience, which will enable young researchers to acquire a variety of skills, thus allowing them to become ‘European’ professionals with excellent career perspectives.

**Expertise sought**
The successful student, holding M.Sc. degree (or equivalent) for no longer than 4 years, will join a young and dynamic research team of Prof. Wlodzimierz Kutner. The role of this team in the NASCENT network is to design, prepare and investigate thin MIP films using new electrochemically polymerisable monomers, featuring supramolecular receptor sites, for development of selective chemical sensors and biosensors for determination of biologically important compounds. Properties of MIPs will be investigated mostly by simultaneous electrochemistry and piezoelectric microgravimetry as well as electron spectroscopy. Therefore, applicants with strong expertise or interest in electroanalytical and spectroscopic techniques as well as background in supramolecular and materials chemistry will be favoured. Fluency in English is expected although advanced language classes will be provided.

**Benefits offered**
The recruited student will be offered a highly competitive stipend and full social benefits, including travel and mobility allowances, according to the Marie Curie fellowship guidelines ([http://ec.europa.eu/research/fp6/mariecurie-actions/action/training_en.html](http://ec.europa.eu/research/fp6/mariecurie-actions/action/training_en.html)). The student will benefit from the Ph.D. program offered locally by IPC PAS as well as from training within the NASCENT network (meetings in other countries, schools and workshops, secondments to laboratories of other network participants).

**Contact**
Interested highly motivated candidates should submit by September 18th, 2006 their documents including (i) letter of application covering research interests and expertise, (ii) professional curriculum vitae, (iii) copy of Certificate of M.Sc. Degree (or equivalent), (iv) names and e-mail addresses of two scientists (who are ready to support the application by sending letters of
recommendation), preferably of a supervisor and referee of a M.Sc. thesis by mail, fax, or e-mail (pdf files) to:

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