



INNOVATIVE ECONOMY
NATIONAL COHESION STRATEGY



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



Stipend offer nr 4/MPD/09

Position: **PhD student**

Number of stipends: 11

Institution : Warsaw Medical University, Postgraduate School of Molecular Medicine,
Żwirki I Wigury 61 Street, 02-091 Warsaw Poland

Maximum period of stipend agreement: 4 years

Position starts on : 01.11.2009

Stipend's amount: 3000 PLN, during staying abroad: 4500 PLN

Pension insurance: 500 PLN

Key responsibilities include:

Ph.D. studentships are available in International PhD studies program: "**Molecular Genetics, Transcriptomics and Bioinformatics in Cancer**" funded by the Foundation for Polish Science/EU Regional Development Fund. Program is constituted at the **Postgraduate School of Molecular Medicine**. The project will provide interdisciplinary postgraduate training focusing on application of recent high throughput technologies and an integrated, interdisciplinary approach to study the molecular genetic and genomic processes central to cancer development.

In the project transcriptomics/genomics data generated by analyses of follicular thyroid cancers, soft tissue sarcoma, melanoma, glioma, lung and breast cancers will be evaluated by dedicated bioinformatic methods in order to find characteristic gene signatures and/or novel predictive markers. In some systems transcriptomics and genome-wide data combined with sophisticated computational and system biology methods will be exploit to specify molecular pathways involved in carcinogenesis.

Projects will be carried out in laboratories located: **in Warsaw** (Warsaw Medical University, Cancer Center-Institute of Oncology, Interdisciplinary Centre for Mathematical and Computational Modelling, Nencki Institute of Experimental Biology), **in Szczecin** (International Hereditary Cancer Centre, Pomeranian Medical University), **in Gliwice** (Cancer Center-Institute of Oncology-Gliwice Branch).

All teams have developed successful scientific cooperation in the proposed field of research (students will be working in collaborating laboratories for 6-12 months). Host institutes offer excellent working facilities with interactive groups and a competitive student stipend salary (c.a. 1000 Euro/month).

All newly appointed students will participate in a 3 course sequence (spring and summer of first year and the fall of second year) that provides in-depth training in the field of molecular genetic, genomic and bioinformatic research. Students will take a track-specific course "Genomics and Bioinformatics", "*Molecular biology of Cancer*" course emphasizing model systems where genetic regulation of disease are being understood and an integrated course "From laboratory bench to patient bed".

Profile of candidates:

1. Applicants should hold a Master of Science (MSc), a master of engineering (MEng) or an equivalent degree in life science

Required documents:

1. Completed application form (<http://www.smm.edu.pl/?nazwa=Admission%20Procedure>)
2. Certified copies of all diplomas awarding relevant degrees;
3. Two letters of recommendation: enclosed, or preferentially sent directly

For more details about the position please visit: <http://www.smm.edu.pl>.

Principal Investigator: prof. dr hab. Mirosław Wielgoś

Address for applications: smm@wum.edu.pl

Closing date: 18.10.2009

Please include in your offer :

"In accordance with the personal data protection act from 29 th August 1997, I hereby agree to process and to store my personal data by the Institution for recruitment purposes".

The granting institution may seek to contact the best candidates only