



INNOVATIVE ECONOMY
NATIONAL COHESION STRATEGY



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



Stipend offer nr 7/MPD/2010

Position: PhD Student

Number of stipends: 10

Institution : Institute of Environmental Sciences, Department of Biology and Earth Sciences, Jagiellonian University, Cracow, Poland

Maximum period of stipend agreement: 4 years

Position starts on : 1. 10. 2010

Stipend's amount: For students taking advantage of voluntary pension insurance, 3500 PLN/month during stay in Poland, 5000 PLN/month during stay abroad, for others: 3000 and 4500 PLN, respectively

Pension insurance: voluntary

Key responsibilities include:

1. Transcriptomics of adaptation
2. Accumulation of mutations and the robustness of genetic systems
3. Interaction between natural and sexual selection in adaptation to novel, stressful environment
4. Effect of pollution on genetic variation in natural populations
5. Monitoring of metal availability thresholds causing changes in insect larval community structure in metal-contaminated stream systems
6. Impact of industrial pollution (heavy metals) on stoichiometry of soil-litter food webs in forests
7. Role of anti-competitor toxins in the origin and maintenance of diversity in structured microbial populations
8. Relationship between the diversity of soil microbial communities and their resistance to different stressors
9. Adaptations of plants and associated microorganisms to survival in heavy metal rich industrial wastes

10. Metabolic performance and susceptibility to pollution in voles: an experimental evolution approach

Profile of candidates:

1. good command of english
2. MSc in areas related to the project

Required documents and other details about the position please visit:

<http://www.eko.uj.edu.pl/MPD>

Principal Investigator: Prof. Jacek Radwan

Address for applications: magdalena.konior@uj.edu.pl

Closing date: 15 June 2010

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