

INVESTMENTS IN EDUCATION DEVELOPMENT

Postdoctoral research fellow position (tutor Dana Elhottová)

Project title: *Mobilome of soil microbiome*

**Hosted by: *Laboratory of structure and function diversity
of soil microbial communities***

Biology Centre of the Academy of Sciences, Czech Republic

The position will be co-financed by the European Social Fund and the state budget of the Czech Republic.

Workplace:

The Laboratory of structure and function diversity of soil microbial communities (LSFM) is a research unit focused on different qualitative aspects of microbiome in natural and anthropogenically affected soil ecosystems. It is a part of the Institute of Soil Biology (Academy of Sciences of the Czech Republic) located in the city Ceske Budejovice, some 150 km south to Prague. The LSFM is equipped to perform analyses on different level of the soil microbiome (PLFA/PLEL, MIS Sherlock System, DGGE, CARD FISH, PCR, qPCR) including equipment for field sampling, isolation, cultivation and conservation of microbial culture.

For more details see: <http://www.upb.cas.cz/en/page/structure>

Position summary:

The fellow will pursue research in the following research field:

- (i) Characterization of antibiotic resistome (ATB-r) in soil environment; mechanisms of dissemination; persistence; reservoirs
- (ii) Methods and approaches suitable for study and characterisation of mobilome (mobile elements) in soil
- (iii) Characterization of mobilome that is involved in ATB-r dissemination

The work will include 6-month stay abroad at the Julius Kühn-Institut, Federal Research Centre for Cultivated Plants (Braunschweig, Germany), under the supervision of Professor Kornelia Smalla.

Pedagogical activities: The Fellow will be called upon to provide mentorship to graduate and undergraduate students, as well as to participate in teaching activities headed by D. Elhottová.

Other activities: The Fellow will be expected to contribute oral and poster presentations at international conferences, as well as to write and publish research findings in competitive peer-reviewed scientific journals.

Duration of contract:

Selected candidate will be offered a position for up to 34 months starting from September 1st, 2012. The salary is about 1800 EUR brutto per month and this amount corresponds to a good living standard in the Czech Republic. Extension of the contract beyond 34 months may be possible, pending renewed funding.

Qualifications:

Interested candidates must have successfully obtained their Ph.D. degree in a relevant discipline after March 29th, 2008. A good knowledge of English language (corresponding to CAE or equivalent) is required. Some knowledge of the Czech language will prove useful.

How to apply:

Interested candidates should apply no later than July 31st, 2012 by submitting the following documents and information to **A. Navrátilová** (navratilova@bc.cas.cz):

- Cover letter explaining the candidate's research interests
- Detailed CV including a list of publications and other achievements
- Certified academic transcripts and diplomas (scanned copies)
- List of minimally two referees who can testify on the candidate's character and performance
- Declaration of the candidate's proficiency in English

Announcement of results:

The Evaluation Committee will convene in August 2012 and candidates will be immediately informed of the results.