

INVESTMENTS IN EDUCATION DEVELOPMENT

**Postdoctoral research fellow position (tutor Libor Grubhoffer)**

**Project title: *Glycobiology of ticks; protein-saccharide interactions in the transmission of pathogens by blood-feeding arthropods***

**Hosted by: *Laboratory of Molecular Ecology of Vectors and Pathogens  
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 Molecular Ecology of Vectors and Pathogens, a joint laboratory of Institute of Parasitology, Biology Centre of the Academy of Sciences of the Czech Republic & Faculty of Science, University of South Bohemia. **For details see [http://www.prf.jcu.cz/infbiol\\_en/Home.html](http://www.prf.jcu.cz/infbiol_en/Home.html).**

Laboratory of Mass Spectrometry, in collaboration with Institute of Chemistry and Biochemistry, Faculty of Science, USB, which will be established in 2014. **For details see [uch.prf.jcu.cz](http://uch.prf.jcu.cz).**

**Position summary:**

The fellow will pursue research in Glycobiology of blood-feeding arthropods, especially ticks. *N*- and *O*-glycans will be studied in each life-stage of ticks and in adult female ticks during the feeding using mass spectrometry. Analysis of the corresponding glycosyltransferases expression will be performed as well.

**The work will include two stays** (together 6 months) abroad, most probably in two laboratories:

-Instituto de Investigación en Recursos Cinegéticos (IREC), Ciudad Real, Spain, laboratory headed by Prof. José de la Fuente,

-National Research Council (NRC-CNRC), Ottawa, ON, Canada, laboratory headed by Dr. Susan M. Logan.

**Pedagogical activities:** The postdoctoral fellow will participate in teaching of several courses (Glycobiology, Biochemistry, laboratory courses in Biochemistry) and will supervise bachelor, masters, and doctoral students in laboratory work.

**Duration of contract:**

Selected candidate will be offered a position for up to 18 months starting from January 1<sup>st</sup>, 2013. 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 18 months may be possible, pending renewed funding.

**Qualifications:**

Interested candidates must have successfully obtained their Ph.D. degree in a relevant discipline after March 29<sup>th</sup>, 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 November 30<sup>th</sup>, 2013** by submitting the following documents and information to **B. Švehla** ([svehla@bc.cas.cz](mailto:svehla@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 the first half of December 2013. Candidates will be immediately informed of the results.