



INVESTMENTS IN EDUCATION DEVELOPMENT

Postdoctoral research fellow position (tutor Julius Lukeš)

Project title: *Functional analysis of mitochondrial proteins in Trypanosoma brucei*

Hosted by: *Laboratory of Molecular Parasitology*

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 primarily focuses on functional analyses of selected mitochondrial proteins of the kinetoplastid *Trypanosoma brucei*. Its mitochondrion is unique in many aspects and by knocking-down or knocking-in individual genes, we are trying to establish their functions. We have focused on (i) proteins involved in RNA editing and regulation of stability of mitochondrial transcripts, (ii) subunits of respiratory complexes, (iii) iron/sulfur cluster assembly proteins, (iv) prohibitin. We are also interested in the evolution and biodiversity of parasitic kinetoplastid flagellates, as well as involved in the genotyping of European leishmaniasis and designing new diagnostic approaches for their detection. Moreover, we are trying to improve a new expression system in *Leishmania tarentolae*.

For details see <http://www.paru.cas.cz/en/section/molecular-parasitology/laboratory-of-molecular-biology-of-protists/>.

Position summary:

The fellow will concentrate his research on the functional analysis of mitochondrial proteins in *Trypanosoma brucei*.

The work will include an **3-month stay abroad** at USA, Ohio state University, Columbus, Laboratory of prof. Alfonso.

Pedagogical activities: teaching of 15 students in the lab, 4 hours per week, joint consultation and discussion

Other activities: Participation in international conferences and working with foreign and Czech colleagues and students, publication of scientific results in 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 **M. Jungwirthová** (jungwm00@prf.jcu.cz), C/c 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.