



Přirodovědecká
fakulta
Faculty
of Science

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice

**Faculty of Science, University of South Bohemia in České Budějovice
is looking for:**

**Two postdoctoral research fellows
in Glycobiology/Glycobiochemistry**

Full-time job

Laboratory of Glycobiochemistry and Laboratory of Molecular Ecology of Vectors and Pathogens are seeking two highly motivated postdoctoral research fellows/Research assistants in the frame of the C4SYS research infrastructure (c4sys.cz).

Tenure: one year with possibility for extensions of up to six years.

Salary: 40k CZK/month (gross)

We are looking for highly motivated postdoctoral researchers to join our team studying tick and tick-borne pathogens. The successful applicant will participate in research of tick glycobiology, and also other projects (e.g. fish spermatogenesis, plasma-assisted deposition of biomacromolecules). Furthermore, research projects in the frame of the C4SYS will be performed according to needs of the research infrastructure users. Successful applicants are expected to develop their own research projects as well. The needed instrumentation is available on our campus. Applicants will be expected to be self-motivated, to work independently, present their results at international conferences, and produce publications in high impact journals. Applicants will be expected to supervise undergraduate and graduate students, teach (lectures and laboratory courses).

Applicants should have completed Ph.D. degree in a relevant scientific discipline and should have published a minimum of four papers in impacted journals. Publications in so-called predatory journals will not be taken into account.

Fluency in English is required and will be checked during a personal or Skype meeting with the selected applicants.

We are seeking:

- An applicant with expertise in HPLC/UHPLC, mass spectrometry (LC-MS and MALDI-TOF/TOF) analysis of glycans, glycopeptides, and glycoproteins, analysis of MS data. Includes also the preparation of samples, methods for digestion, labelling, etc. Hands-on experience with Orbitrap is an advantage.

-An applicant with expertise in molecular biology and glycobiology – cloning, expression of rec proteins (ideally in bacterial and yeast/mammalian/insect cells), protein purification, refolding, lectin blotting, glycoprotein detection etc. Experience with LC and MS analyses is an advantage.

<http://www.prf.jcu.cz/en/uchbch/research/laboratory-of-glycobiology.html>

<http://www.paru.cas.cz/en/section/ticks-and-tick-borne-diseases/laboratory-of-molecular-ecology-of-vector-and-pathogens/>

Application process: Send the application including CV, names of at least one referee, a recommendation letter from your Ph.D. supervisor and possibly also a recommendation letter from your mentor during your research stay abroad, and a cover letter stating your previous work, qualification and motivation by email to Dr. Jan Sterba [sterbj02 (at) [prf.jcu.cz](mailto:sterbj02@prf.jcu.cz)].

Review of applications will begin on 10th May 2016 and will continue until the position has been filled. The position is based in Ceske Budejovice and is available immediately.