



Přírodovědecká
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 excellent candidates for two positions

Postdoctoral Junior Group Leader in Biology

The start-up package includes

- ✓ opportunity to establish own independent research group,
- ✓ 60 000 EUR (1.5 M CZK) per year for 2 years (including salary 1 FTE),
- ✓ possible extension of the employment contract based on the evaluation,
- ✓ office & laboratory space,
- ✓ access to available research infrastructure & equipment,
- ✓ opportunity to tutor BSc, MSc & PhD students,
- ✓ professional career development of team members,
- ✓ English speaking, stimulating & friendly international research environment,
- ✓ HR Award certificate, www.jcu.cz/about-the-university/development/hr-award-hrs4r
- ✓ professional administration support and help with all personal, economic, legal, project, IT, intellectual property needs,
- ✓ flexible working time, 5 weeks of vacation,
- ✓ meals allowance, special mobile services, university kindergarten,
- ✓ work-life balance in a historical middle-sized university city, www.budejice.cz/en/.

Competitive candidates are expected to

- ✓ receive a PhD diploma between 30 Sep 2014 – 31 Dec 2019 (or earlier by parental leave period),
- ✓ have international research experience & excellent knowledge of English,
- ✓ spend at least 2 years outside the Czech Republic as a researcher or a PhD student in 3 years prior to the beginning of the position,
- ✓ publish at least 2 reviewed articles between Jan 2018 – Apr 2020,
- ✓ start his/her work at the faculty between 01 Sep 2020 – 01 Jan 2021, or by an agreement,
- ✓ ask innovative biological questions,
- ✓ have a vision of own high-risk-high-gain independent research projects,
- ✓ demonstrate a promising track record including publications & funding,
- ✓ find synergy with other research groups at the faculty,
- ✓ apply for international & national research grants (e.g. ERC, EMBO, GACR Junior Star),
- ✓ establish, develop & lead his/her own independent research team.

Please submit (a) your structured CV (max 4 pages), (b) motivation letter (max 1 page), (c) detailed description of your planned research projects (max 4 pages), (d) copy of your PhD diploma & (e) 2 references via e-mail to jobs@prf.jcu.cz by Sun 03 May 2020. Interviews with selected applicants will be held in May/June 2020.

www.prf.jcu.cz/en

Animal Behaviour

Contact: Dr. Martina Konečná, konecnam@prf.jcu.cz, www

The applicant should conduct research focused on animal behaviour and personality at the Department of Zoology. The running projects include non-human primates but experience with behavioural studies in other species is welcome. The candidate is expected to collect behavioural data in field and laboratory settings, conduct behavioural experiments, collect and process samples for hormonal analysis.

Bioinformatics of Insect Microbiomes

Contact: Prof. Václav Hypša, vacatko@prf.jcu.cz, www

Using several models of bloodsucking insects, the following questions will be addressed. What are the factors determining symbiont's genome evolution? How do the acquisitions/ losses/replacements affect the pattern of the symbionts adaptation? How is the microbiome composition determined by inherited bacteria and by contaminations? How stable are the microbiomes in vectors and what is their role in the vector competence? Experience and skills desired: bioinformatics, genomics, metagenomics.

Quantitative Freshwater Ecology

Contact: Assoc. Prof. David Boukal, dboukal@prf.jcu.cz, www

We are looking for a postdoc to study consequences of human impacts, such as warming, eutrophication and pollution, on freshwater ecosystems from individual to community level. We use experiments (including new outdoor mesocosms), field studies and modelling; our primary focus is on zooplankton and macroinvertebrates. Requirements: PhD in Ecology, Limnology or related field, and strong interest in quantitative ecology.

Functional Plant Ecology

Contact: Prof. Jan Lepš, suspa@prf.jcu.cz, www

The postdoc is expected to participate in data analysis (and subsequent publishing) from our long-term experimental plots and in the field research in currently running and newly established experiments on functioning and trait variation of plant communities. We require excellent skills in data analysis, proficiency in scientific writing, ability to work in the field, and cooperativeness.

Mathematical Biology

Contact: Prof. Vlastimil Křivan, krivan@prf.jcu.cz, www

The postdoctoral fellow will become a part of the Centre for Mathematical Biology. Ongoing collaboration with existing faculties is expected but own research in any area of interest is welcome. An overall goal is to broaden scope of mathematical biology at the Centre and strengthen math teaching at the Institute.

Microbial Ecology of the Arctic

Contact: Dr. Marie Šabacká, msabacka@prf.jcu.cz, www

We are seeking a highly motivated postdoctoral fellow interested in studying microbial processes in cold ecosystems of the High Arctic. He/she would join our team at the Centre for Polar Ecology and would be expected to conduct projects using our research infrastructure on Svalbard. We require PhD in a relevant discipline (microbiology, ecology or biogeochemistry), strong publication record and good field, laboratory and data analysis skills. An experience with polar research is highly desirable.

Plant Physiology / Plant Molecular Biology

Contact: Dr. Tomáš Hájek, tomas.hajek@prf.jcu.cz, www

We are seeking a highly motivated researcher in any current field of Plant Physiology and Plant Molecular Biology. We require a distinctive research record (at least five papers in Q1 Scimago-ranked journals). He/she will establish and run own independent research group. Following experiences will be appreciated: teaching and supervising students' theses, acquiring external funding, science popularization.