



Přírodovědecká
fakulta
Faculty
of Science

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

We are a research campus with a strong tradition in biosciences focused on complex ecological, evolutionary & developmental aspects of LIFE.

Laboratory of Chromosomics, Faculty of Science, University of South Bohemia in České Budějovice is looking for excellent & highly motivated candidates for a

Postdoctoral position

who will investigate

Mechanistic basis and evolution of meiotic idiosyncrasies in moths and butterflies (Lepidoptera)

as a part of a project newly funded by the Czech Science Foundation. The project will investigate holocentric chromosomes and variation in kinetochore coverage in Lepidoptera along with their meiosis and its modifications including female achiasmatic meiosis, male recombination landscape, and inverted meiosis. Anticipated methodologies include immunostaining, ChIP, Oligopaint FISH, and whole genome and single cell RNA sequencing.

The Laboratory of Chromosomics combines cytogenetic and genomic approaches to study drivers of karyotype and sex chromosome evolution. It is a part of the Department of Molecular Biology and Genetics which provide a vibrant scientific environment due to its close collaboration with research institutes of Biology Center of Czech Academy of Sciences.

The Faculty of Science represents an equal opportunity employer as certified by the European Commission's HR Excellence in Research Award.

This position will provide

- full time position for 3 years
- support for career development and mentoring
- international team and collaborators with opportunities to travel
- opportunity to mentor BSc & MSc students
- flexible working time, 5 weeks of vacation, full health insurance
- a meal allowance, a discounted mobile phone tariff with a contract operator, and university kindergarten
- administrative support with relocation & settling in the Czech Republic
- work-life balance in a middle-sized university city offering low cost of living and high quality of life

Requirements

- a PhD degree in relevant field of Life Sciences or Bioinformatics
- a career level-appropriate publication track record
- strong interest in the research question
- flexibility and the ability to work both independently and in a team are essential
- fluency in English
- skills and experience we are looking for include:
 - experience in using molecular cytogenetic and/or standard molecular biology techniques
 - experience with next generation sequencing and data analysis is highly appreciated
 - knowledge of widefield and confocal fluorescent microscopy and image data analysis is a plus but not required
- **preferred starting date** is spring 2023 but is negotiable

How to apply

To apply please submit your **application** via e-mail to jobs@prf.jcu.cz by **January 6, 2023**.

The application should be sent as a single pdf-document and include:

- CV including a complete list of your publications
- a letter detailing your motivation to apply with a concise summary of your previous research achievements
- contact information of two referees

Informal inquiries are welcome. For further information, please contact the principal investigator Petr Nguyen (petr.nguyen@prf.jcu.cz).

For more information, please visit the following websites:

Laboratory of Chromosomics:

<https://web.prf.jcu.cz/en/kmb/research/research-groups/laboratory-of-molecular-cytogenetics.html>

Petr Nguyen, principal investigator:

<https://orcid.org/0000-0003-1395-4287>

<https://web.prf.jcu.cz/en/kmb/people/faculty-and-stuff/rndr.-petr-nguyen-ph.d..html>

Welcome guide for international staff:

https://www.prf.jcu.cz/images/PRF/PRF-EN/admissions/reasons-to-study-are-the-faculty-of-science/5765welcome-guide-for-international-staff_final.pdf

České Budějovice:

<https://www.budejce.cz/en/>