



Within the Department of Physics, we are now looking for a highly motivated candidates to offer a

Postdoctoral position in Time-resolved spectroscopy of photosynthetic proteins

The postdoctoral projects will be carried out in the Spectroscopy group of the Department of Physics (www.polivkalab.cz). The group focuses on application of femtosecond transient absorption spectroscopy to study ultrafast processes in various systems. The laboratory has long-standing tradition in studies of excited state dynamics of carotenoids and energy and/or electron transfer in photosynthetic systems. The core equipment in the lab is a femtosecond laser system equipped with two independent parametric amplifiers and two separate detection systems. In addition to the ultrafast spectroscopic equipment, standard spectroscopic tools and a fully equipped biochemical laboratory are also available. A new laser system will be installed during the project.

Two postdoctoral positions, starting in 2024, are available:

- The first position is focused on ultrafast spectroscopy and the successful candidate will develop methods of ultrafast spectroscopy and will apply these methods to studies of excited-state dynamics of molecules and pigment-protein complexes. The postdoc will also work on development of a new experimental setup based on a 100 kHz femtosecond laser system that will be installed during the first year of the project.

For this position, **PhD in physics or chemistry** is required, previous experience with ultrafast spectroscopy is highly advantageous.

- The second position deals predominantly with non-photochemical quenching (NPQ) in photosynthesis. The successful candidate will use various spectroscopic methods (especially time-resolved spectroscopy) to study NPQ in photosynthetic proteins from cyanobacteria and plants. Besides spectroscopy, the postdoc is also expected to work on sample preparation and purification.



- For this position, **PhD in chemistry or biology** is required, previous experience with spectroscopy of photosynthetic proteins is advantageous.

What do we offer:

- 2-year position with possible 1-year extension at the Department of Physics, Faculty of Science, University of South Bohemia, Ceske Budejovice, Czechia
- 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

About the University of South Bohemia

The University and Biology Centre of Czech Academy of Sciences campus in České Budějovice provides a vibrant and International research environment. The campus is located in the historic town České Budějovice, which offers many cultural and recreational activities in addition to its close proximity to Prague (2hrs drive), Vienna (2hrs drive), Munich (3hrs), and to the wonderful Czech scenery and the Austrian Alps.

More info about [the university](#) and the [Welcome guide for international staff](#).

More info about [the city of České Budějovice](#).

More info about [the living costs in České Budějovice](#).

How to apply

Are you interested? Then we are looking forward to receiving your application until **January 31st, 2024** on the following email: jobs@prf.jcu.cz.

Please include the following documents:

- CV
- Letter of motivation
- 2 reference contacts

For more information about the research part of the position, please, contact prof. Tomas Polivka (tpolivka@prf.jcu.cz).





Přírodovědecká fakulta
Faculty of Science

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



HR EXCELLENCE IN RESEARCH