

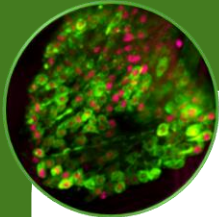
CHRONOBIOLOGY, NEUROANATOMY, HISTOLOGY AND MICROSCOPY



Přirodovědecká
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Explore what happens when you have jetlag or are tired from shift work. Understand the genetic basis of the circadian clock and the molecular mechanisms that control its signaling.

Living organisms perceive oscillations in external environmental stimuli such as light and temperature that precisely synchronize their internal biological clocks on a daily basis. These clocks then coordinate their physiological processes to specific parts of the day.

Our goal is to reveal how an insect model organism, fruit fly *Drosophila melanogaster*, perceives daily changes in ambient temperature.



Join my research team!

I received PhD in Molecular and Cell Biology and Genetics in 2002. During postdoctoral stays in Kobe University, Japan and Queen Mary University of London I have gained experience in chronobiology & insect neuroanatomy. I established a specialized Laboratory of Microscopy and Histology that offer professional training for users of state-of-the-art light microscopy equipment as well as collaboration on research projects requiring histological, immunohistochemical and molecular techniques.

Contact:

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Master's research project 2024-2026:

The importance of various external stimuli for the correct timing of the circadian clock at different stages of development

Enroll in the new two-year Masters Programme **Functional Genetics & Bioinformatics** at Faculty of Science, University of South Bohemia in České Budějovice, Czech Republic.

Offered specializations:

- **Bioinformatics**
- **Biotechnology**
- **Human Molecular Genetics**
- **Molecular Cell Biology & Genetics**

Application deadline: **19 May 2024**

Study start: **September 2024**

Find more information [HERE](#)