

ANALYTICAL BIOCHEMISTRY AND METABOLOMICS



Přirodovědecká
fakulta
Faculty
of Science

BIOLOGY
CENTRE
CAS



Let's find the analytical solution together. Almost every biological research needs analytical tools for metabolite analysis from time to time.

Our mission is to explore novel bioanalytical approaches and apply them in metabolite research of insects and other important organisms. The unique analytical platforms developed by our team cover the analysis of metabolites ranging from small molecules such as organic and amino acids, amines, nucleosides, nucleotides, lipids, steroids, sugars or their conjugates to peptide sequencing. In addition to our own bioanalytical projects, we participate in the interdisciplinary research of the Biology Centre where numerous research teams benefit from the analytical methods developed.



Join our research team!

We are a group of young, motivated scientists dedicated to the development of analytical methods for the study of metabolism. We not only develop methods but also apply them in collaboration with leading biologists to study various topics such as immunity, photosynthesis, cold tolerance of organisms and others. Our team includes 3 researchers and 3 PhD students.

Contact:

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Master's research project 2024-2026:

Development of a method for chiral separation of unusual amino acids.

New lipidomic tool for the study of cold tolerance.

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](#)