



INTERNSHIP OFFER

Ref. No. CZ-2024-100002

Internship Host Information

Internship Host: Brno University of Technology - Faculty of Chemistry
Institute of Physical and Applied Chemistry
Purkynova 118
61200, Brno
Czech Republic

Website: <https://www.fch.vut.cz/en.html>

Location of placement: Brno
Nearest airport: Prague, Brno, Vienna
Working hours per week: 30.0
Working hours per day: 6.0

Number of employees: 120

Business or products: Research and development

Student Required

General Discipline: CHEMISTRY AND CHEMICAL ENGINEERING;
MATERIAL SCIENCES AND ENGINEERING

Completed years of study: 3

Field of Study: Physical Chemistry.; Materials Chemistry.; Materials Chemistry.

Student status requirements: required when nominated

Language required: English Good (B1, B2) Or
Czech Good (B1, B2)

Required Qualifications and Skills:

Report Writing | Microsoft Office | Laboratory Work | Data Processing |
Measurement

Other requirements:

Knowledge of the basic principles of laboratory practice is required.
Fundamental theoretical background of physical chemistry, especially aimed
on the chemistry of hydrogels (i.e. preparation, characterization methods,
etc.).

Teamworking, critical thinking, problem solving, cooperation.

Internship Offered

The trainee will be involved in the basic (and/or applied) research projects related to hydrogels. The laboratory work will be aimed at the preparation of physical, chemical and/or ionic cross-linked hydrogels, further their characterization (different analytical and physico-chemical techniques will be involved) and finally on the study of the transport (diffusion) properties of these hydrogels. The main objective will be to improve the properties of the hydrogels with respect to final applications (tissue engineering, scaffolds, etc.).

The internship will consist of laboratory work (basic laboratory orientation is required), data processing and analysis, and writing of reports. The trainee will work closely with his/her supervisor (assistant professor) and will collaborate with other staff and/or postgraduate students at the University.

Number of weeks offered:	10 - 10	Working environment:	Research and development; Office work
Within the months:	01-SEP-2024 - 20-DEC-2024	Gross pay:	15000 CZK / Month
Or within:	-	Deduction to be expected:	0
Company closed within:	-	Payment method / time of first payment:	Bank Transfer / after first month
Latest possible start date:		Other important remuneration information:	Alternative payment method: cash

Accommodation

Canteen at work:	Yes		
Expected type of accommodation:	Student dormitory	Estimated cost of lodging:	5000 CZK / Month
Accommodation will be arranged by:	IAESTE	Estimated cost of living incl. lodging:	11000 CZK / Month

Additional Information

Please follow the instructions for preparing nomination documents and the visa process in the attached document. These documents are only for you and your student, please don't add them into your student's nomination!

Nomination Information

Deadline for nomination: 10-MAY-2024

Date: 23-APR-2024 **On behalf of receiving country:** IAESTE Czech Republic