



MSCA PF

The Essential Role of Grant Office
Service, Support, Safe net



Palacký University
Olomouc



Faculty
of Arts

What Does It Take To Be A Hosting Institution

What Applicants Can Expect?

PRE-AWARD SUPPORT

- Active search for a supervisor, help with promoting your own profile
- Cooperative application preparation – seminars, workshops, individual meetings, etc.
- Assistance with defining the fundamental pillars – research plan, scientific framework, specific objectives, horizontal priorities, impact
- Placing the project in the R&D&I policies framework
- Consultation on partial sections of the application
- Commenting and feedback on the project proposal
- Providing internal peer-review
- Ensuring the submission process in the system

From The First Idea To A Highly Competitive Proposal

templates

project coffee

workshops

seminars

factsheets

guidelines

MSCA flyers

Individual consultations

Career counselling

Project strategy for departments / work groups

trainings



Sinophone Borderlands project (SINOPHONE) is SEEKING TALENTED AND AMBITIOUS POSTDOCTORAL RESEARCHERS to jointly submit proposals for the European Marie Skłodowska-Curie Postdoctoral Fellowships MSCA-PF

WHO ARE WE SEARCHING FOR?
Potential candidates must hold a doctoral degree that was defended no longer than 6 years prior to September 2021. The postdoctoral fellows must receive a doctorate no later than the day of the deadline for submission. More details about the eligibility can be found at Marie Skłodowska-Curie dedicated website and in MSCA Work Programme 2021-2022.

We particularly welcome candidates from the following research areas:
Chinese Linguistics (in particular dialectal studies and Cantonese varieties)
International perceptions/images/attitudes towards China
Chinese soft power, Chinese public diplomacy
China's relations with developing countries (especially in Africa and Latin America, and potentially other areas)
Catholic missions in China (Qing and early Qing dynasties, the Jesuits and the mercantile orders)
Early Modern perception of China in Europe
Recent environmental changes in borderland regions adjoining to China

WHAT WE OFFER?
- Online three-months (1 session/week) project support training (from May until July), where we will teach you how to prepare a quality project application.
- Supervisors (not only) for the areas mentioned above
- Individual consultations

HOW TO APPLY?
Submit the application including your CV and a separate list of five most important publications from the last five years to: alice@sinophon.cz
Letters of recommendation will be requested for the second selection round. The candidate screening will commence immediately.

www.sinophon.cz

HORIZON EUROPE

FACT SHEET

MSCA is EU's funding programme that supports excellent researchers and foster international collaboration and knowledge transfer. Actions aim at developing standards in training, supervision and career guidance.

SCOPE
MSCA Staff Exchanges promote collaboration in research through exchanging staff (sending to and hosting researchers and other R&D staff at participating institutions). Mandatory international, inter-sectoral and interdisciplinary mobility through secondments will enhance networking, sharing of knowledge and inspire innovative practices on institutional level. It will also enable participants to acquire new skills and competences leading to their improved employability and career prospects within and outside academia.

TOPIC
Not specified; programmes should cover as many research disciplines as possible ('bottom-up' approach).

How to apply: via [Funding and Tenders portal](#)

Useful links:
[MSCA Official website](#)
[Work Programme 2021-2022](#)

Examples of funded projects: [TERPSICHOIRE RESEARCH](#)

SECONDMENTS
Secondment is a short-term mobility between different countries and different sectors (academic vs non-academic) with exception of interdisciplinary secondments.
Open to: 1. researchers at any career stage; 2. technical, managerial and administrative staff participating on the project research activities.
Length of secondment: 1-12 months/participant may be split into several stays.

BUDGET
Horizon Europe funding rate: 100%. The grant covers mobility of seconded staff (travel expenses, accommodation and subsistence costs, **not their salaries**). The budget is calculated as unit costs, based on the number of person-months (PMs x 1 month of FTE).
- seconded staff members: € 2 800/PM
- research, training and networking: € 1 300/PM
- management and indirect costs: € 1000/PM

Other supported activities: networking, workshops, conferences, training and mentoring

Eligible applicants: i.e., 3 legal entities (beneficiaries) established in 3 different EU Member States or countries associated to ME. The beneficiaries should be from both academic and non-academic sector, or include a Third country partner.

What Successful Fellows Can Expect?

POST-AWARD SUPPORT

- Preparation of the grant agreement
- Financial management
- Interim and final reporting
- Supervision of the execution of tasks and timely completion of deliverables
- Control of using the financial statement and EU logo
- Communication and dissemination management
- Event management
- Arranging orders, trips abroad, contracts for collaborations or services
- Ongoing consultations
- In co-operation with the welcome office - help with orientation and settling in the new environment, processing the necessary documents with the foreign police, help with finding housing, doctors, etc.

Three chances to win the grant

MSCA-PF



Required score
>93 %

Achieved by
10-15 %
proposals

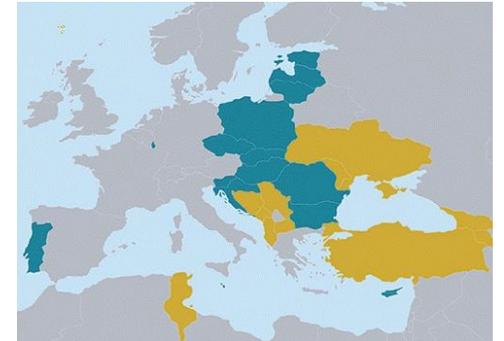
Seal of Excellence –
Structural Funds OP J.A.C.



>70%

80 %

ERA
Fellowship



>91 %

20-25 %



Hana Owsianková

research and project manager

Grant Office

Palacký University in Olomouc

Faculty of Arts

www.ff.upol.cz

hana.owsiankova@upol.cz

An aerial night photograph of the Masaryk University campus. The buildings are illuminated with warm orange and yellow lights, contrasting with the cool blue tones of the twilight sky. In the background, the city of Brno is visible, with its lights creating a glowing horizon. The text 'MASARYK UNIVERSITY' is overlaid in large, white, sans-serif capital letters across the center of the image.

MASARYK UNIVERSITY

Brno – City of universities



Except for MUNI, there are other 10 universities in the city

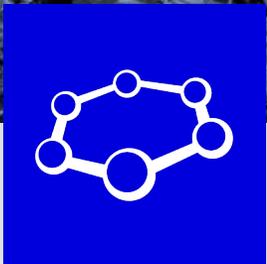


Every sixth inhabitant is a university student

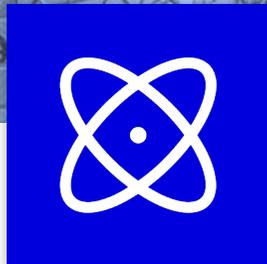
10

Brno is in the TOP 10 student cities globally based on students evaluations

We successfully develop a centre of science and research



We run CEITEC –
Centre of scientific
excellence



We focus on life
science, advanced
materials, but also
social sciences and
humanities



We support new
generation of scientists

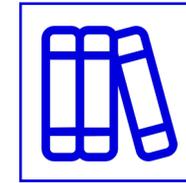
Masaryk University in number



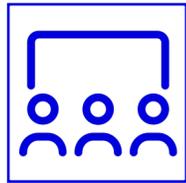
10
faculties



33 000+
students



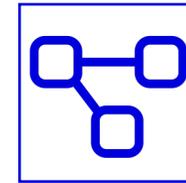
5 500+
publications



150+
programmes



7 000+
graduates



1 500+
projects

10 faculties, one university

MUNI
LAW

MUNI
ECON

MUNI
ARTS

MUNI
FSS

MUNI
PED

MUNI
MED

MUNI
SCI

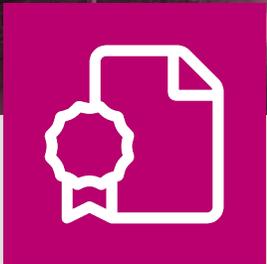
MUNI
FI

MUNI
PHARM

MUNI
SPORT

MUNI

Faculty of Economics and Administration



We prepare students for international experts exams and certifications



We have experts on FinTech and latest economic fields



We have a Bloomberg terminal

3D render Clathrin coat, DNA, Ribosome and Enterovirus 70 using Blender. Lukáš Sukanik, CEITEC MUNI



CEITEC MUNI 2022

in Numbers



* Preliminary data as of April 2023, the final data will be updated by June 2023 at the latest

Marek Mráz, Ph.D.



Research topic: **Microenvironment of Immune Cells**

Main research interest: The role of non-coding RNAs (microRNAs and long-noncoding RNAs) in the molecular pathways that regulate microenvironmental interactions in normal and malignant immune cells.

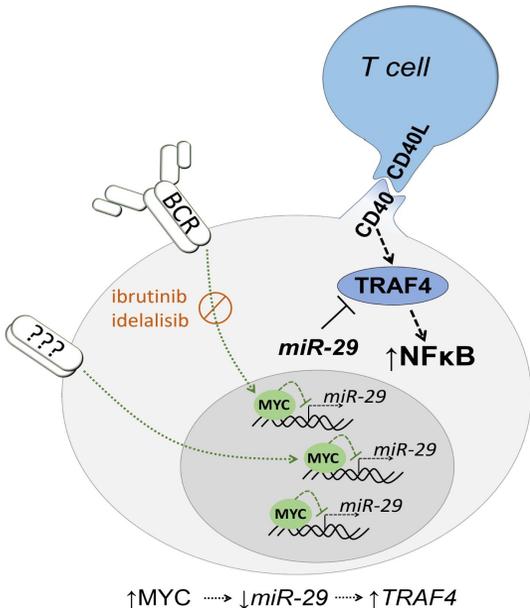
Link to the research group profile: <https://mrazlab.ceitec.cz>

Our research also aims at development of novel targeted therapies in B cell malignancies (miR-therapy, targeting of BCR-signalling/adhesion) and at prognostic and predictive markers in hematological malignancies (Chronic Lymphocytic Leukemia, B-Cell Lymphomas).

In 2018, Dr. Mráz was awarded the [ERC Starting Grant](#).

Express your interest for:
[MSCA-PF 2023](#) by July 2023
[MSCA-PF 2024](#) by March 2024

Contact: [CEITEC Masaryk University](#)
Dr. Mráz: marek.mraz@ceitec.muni.cz
Grant Office: veronika.sterbova@ceitec.muni.cz



Hélène Robert Boisivon, Ph.D.

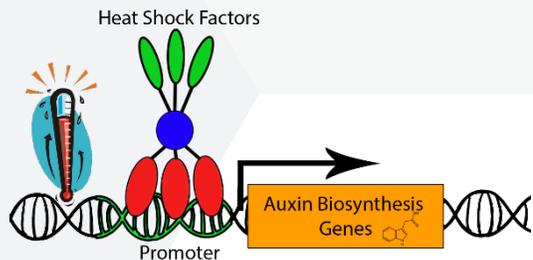


Research topic: **Hormonal Crosstalk in Plant Development**

Main research interest: Effects of temperature stresses on seed development in *Arabidopsis thaliana* and *Brassica napus*

Link to the research group profile: <https://boisivonlab.ceitec.cz>

Our research aims at understanding **the effects of endogenous and environmental regulators on plant morphogenesis and seed formation**. Our objectives are to identify the molecular and cellular mechanisms underlying the regulation of hormonal pathways during seed production.



Express your interest for:
[MSCA-PF 2023](#) by July 2023
[MSCA-PF 2024](#) by May 2024

To contact dr. Boisivon: helene.robert.boisivon@ceitec.muni.cz

 [@R_Boisivonlab](#)

To contact [CEITEC](#) Grant Office: veronika.sterbova@ceitec.muni.cz

Lukáš Trantírek, Ph.D.



Research topic: **Non-coding genome**

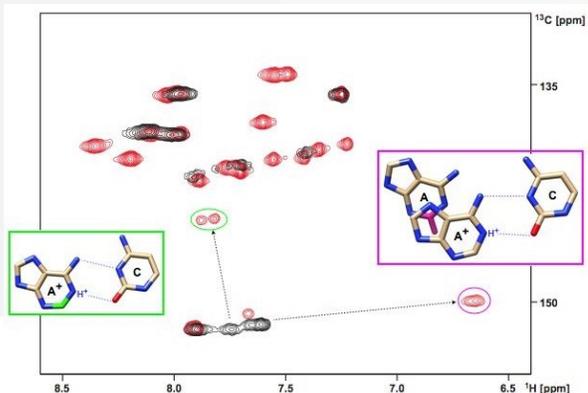
Main research interest: Identification of novel therapeutic targets in a wide range of pathological states from cancer to developmental diseases.

Our research elaborates on our recently acquired ability to resolve G-quadruplexes (G4) polymorphs, identify G4 bioactive conformations and characterize their interactions using NMR spectroscopy and the state-of-the-art methods of cellular structural biology.

Link to the research group profile: <https://www.ceitec.eu/non-coding-genome/rg109>

Express your interest for:
[MSCA-PF 2023](#) by July 2023
[MSCA-PF 2024](#) by March 2024

Contact: [CEITEC](#) Masaryk University
Dr. Trantírek: lukas.trantirek@ceitec.muni.cz
Grant Office: veronika.sterbova@ceitec.muni.cz



Michal Šmída, Dr. rer. nat.



Research topic: **Functional Genomics**

Main research interest: Mechanisms of resistance to targeted therapy and identification of novel therapy targets in acute myeloid leukemia

In our lab we are predominantly aiming at identification of novel drug targets that might then be exploited in the clinic as innovative targeted therapies. We focus our efforts primarily on two common hematologic malignancies, namely chronic lymphocytic leukemia (CLL) and acute myeloid leukemia (AML). We use state-of-the-art techniques like genome-wide CRISPR screening, drug screening, single-cell RNA sequencing.

Link to the research group profile: <https://www.ceitec.eu/functional-genomics/rg214>

Express your interest for:
[MSCA-PF 2023](#) by July 2023
[MSCA-PF 2024](#) by March 2024

Contact: [CEITEC](#) Masaryk University
Dr. Šmída: michal.smida@ceitec.muni.cz
Grant Office: veronika.sterbova@ceitec.muni.cz



Markéta Pernisová, Ph.D.



Research topic: **Plant Science**

Main research interest: Cytokinin-driven molecular mechanisms regulating organ identity in Arabidopsis

Plant Sciences Core Facility is an open CEITEC laboratory providing access to the cutting-edge infrastructure for plant and algae cultivation, as well as for environmental simulation and phenotyping analyses. The core facility operates 15 walk-in growth chambers (phytotrons) and 10 greenhouses to provide defined growth conditions for controlled plant cultivation.

Link to the Plant Science Core Facility: <https://plants.ceitec.cz/en/profile/>

Express your interest for:
[MSCA-PF 2023](#) by July 2023
[MSCA-PF 2024](#) by March 2024

Contact: [CEITEC](#) Masaryk University
Dr. Pernisová: marketa.pernisova@ceitec.muni.cz
Grant Office: veronika.sterbova@ceitec.muni.cz

Prateek Kalia

Consumer Behaviour & Marketing Management



- Author of the novel smartphone user classification metrics called Cellulographics©
- Research topics: consumer behaviour, technology, e-commerce, digital retail, cyberpsychology, human-computer interactions, smartphone use
- For more information, click [here](#).

E-mail: Prateek.Kalia@econ.muni.cz

[Twitter](#) | [LinkedIn](#) | [Google Scholar](#)

Submit your CV, project annotation & list of publications to Jana.Sosnova@econ.muni.cz by **20 June 2023** for MSCA-PF 2023.

For MSCA-PF 2024, get in touch by March 2024.

Ahad Zareravasan

Business Informatics

- An expert in the field of business informatics
- Currently involved in the [DiCiM project](#) funded by Horizon Europe
- Research topics: IS business value, digital transformation, sustainability, business analytics, Blockchain
- For more information, click [here](#).

E-mail: Ahad.Zareravasan@econ.muni.cz

[LinkedIn](#) | [ORCID](#) | [Web of Science](#)

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Štěpán Mikula

Labour and Health Economics



E-mail: Stepan.Mikula@econ.muni.cz

[Twitter](#) | [ORCID](#)

- An expert on empirical microeconomics
- A researcher at the [National Institute for Research on Socioeconomic Impacts of Diseases and Systemic Risks \(SYRI\)](#)
- Research topics: migration, hiring discrimination, discrimination in access to public services
- For more information, click [here](#).

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For MSCA-PF 2024, get in touch by March 2024.

Jan Čapek

Macroeconomics



E-mail: Jan.Capek@econ.muni.cz

[ORCID](#) | [Web of Science](#)

- A leading experts in macroeconomic modelling
- Forecasting with DSGE models and analyses of fiscal policy in various European countries
- Research topics: GDP growth, inflation, interest rates, estimation of empirical fiscal multipliers, structural vector autoregressive models
- For more information, click [here](#).

Submit your CV, project annotation & list of publications to Jana.Sosnova@econ.muni.cz by **20 June 2023** for MSCA-PF 2023.

For MSCA-PF 2024, get in touch by March 2024.

Rostislav Staněk

Experimental & Behavioural Economics



E-mail: Rostislav.Stanek@econ.muni.cz

[ORCID](#) | [Web of Science](#)

- A researcher at the [MUEEL \(Masaryk University Experimental Economics Laboratory\)](#)
- Research topics: reciprocity, time consistency, procedural preferences, conflict emergence and compliance
- For more information, click [here](#).

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For MSCA-PF 2024, get in touch by March 2024.

David Špaček

Public Administration

- An expert in public administration and public management
- Research topics: digitalization, (e-)participation, e-procurement, strategic planning & management, quality management, intermunicipal cooperation and civil services
- He has been involved in research projects focusing on changes in public authorities implemented due to the COVID-19 pandemic and systemic issues of public administration
- For more information, click [here](#).

E-mail: David.Spacek@econ.muni.cz

[ORCID](#) | [Web of Science](#)

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For MSCA-PF 2024, get in touch by March 2024.

Štefan Lyócsa

AI in Finance

- An expert in in financial risk modelling
- Research topics: instabilities of financial system, market and credit risk, the role of public attention & sentiment on asset price fluctuations
- Štefan is interested in data-driven topics related to the modelling of extreme price fluctuations, e. g. Value at Risk, Expected Shortfall.
- For more information, click [here](#).

E-mail: Stefan.Lyocsa@econ.muni.cz

[ORCID](#) | [LinkedIn](#)

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Jana.Sosnova@econ.muni.cz by **20 June 2023** for MSCA-PF 2023.

For MSCA-PF 2024, get in touch by March 2024.

Jakub Procházka

Organizational Behaviour & HR Management

- An expert in positive HR management and organizational behaviour
- Research topics: attitudes & well-being of employees, leadership, autonomy at work, organizational commitment, burnout, psychological capital
- In terms of methodology, he prefers quantitative research, especially experiments and large surveys with data analysis using Structural Equations Modelling.
- For more information, click [here](#).

E-mail: Jakub.Prochazka@econ.muni.cz

[LinkedIn](#) | [ORCID](#) | [Web of Science](#)

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Jana.Sosnova@econ.muni.cz by **20 June 2023** for MSCA-PF 2023.

For MSCA-PF 2024, get in touch by March 2024.

Zdeněk Tomeš

Mobility & Transport Economics

- An expert in the field of transport economics and policy
- He is the scientific director of [ITREGEP](#)
- The team has many ongoing projects in cooperation with partners from the industry (Czech Railways) and intensive cooperation with foreign universities (Leeds, Milano, Florence).
- Research topics: rail competition, modal shift, transport demand, transport equity
- For more information, click [here](#).

E-mail: Zdenek.Tomes@econ.muni.cz

[ORCID](#) | [Web of Science](#)

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Jana.Sosnova@econ.muni.cz by **20 June 2023** for MSCA-PF 2023.

For MSCA-PF 2024, get in touch by March 2024.

Vladimír Žitek

Regional Economics



- An expert in the field of regional economics
- Research topics: spatial dimension of economic and social activities, regional innovation systems, innovation policy, economic geography, tourism
- For more information, click [here](#).

E-mail: Vladimir.Zitek@econ.muni.cz

[ORCID](#) | [Web of Science](#)

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For MSCA-PF 2024, get in touch by March 2024.



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[masarykova.univerzita](https://www.linkedin.com/company/masarykova.univerzita)



[muni_cz](https://www.instagram.com/muni_cz)



www.muni.cz



info@muni.cz

**MASARYKOVA
UNIVERZITA**

European Centre (EC)

- comprehensive grant support
- all researchers active or prospectively seeking to work at Charles University



- Catholic Theological Faculty
- Protestant Theological Faculty
- Hussite Theological Faculty
- Faculty of Law
- First Faculty of Medicine
- Second Faculty of Medicine
- Third Faculty of Medicine
- Faculty of Medicine in Plzeň
- Faculty of Medicine in Hradec Králové
- Faculty of Pharmacy in Hradec Králové
- Faculty of Arts
- Faculty of Science
- Faculty of Mathematics and Physics
- Faculty of Education
- Faculty of Social Sciences
- Faculty of Physical Education and Sport
- Faculty of Humanities



- Subjects in the global TOP 150 in 2022
- Anatomy and Physiology
- Economics
- Geography
- Linguistics
- Political Science and International Studies



MSCA

The background is a dark, textured surface. On the right side, there is a light-colored bust of Marie Curie. Below and to the left of the bust is a complex molecular model with many small spheres connected by lines. Scattered around these elements are various pink and purple geometric shapes, including triangles, circles, and lines, some of which are semi-transparent or have a glowing effect.

Marie Skłodowska-Curie Actions

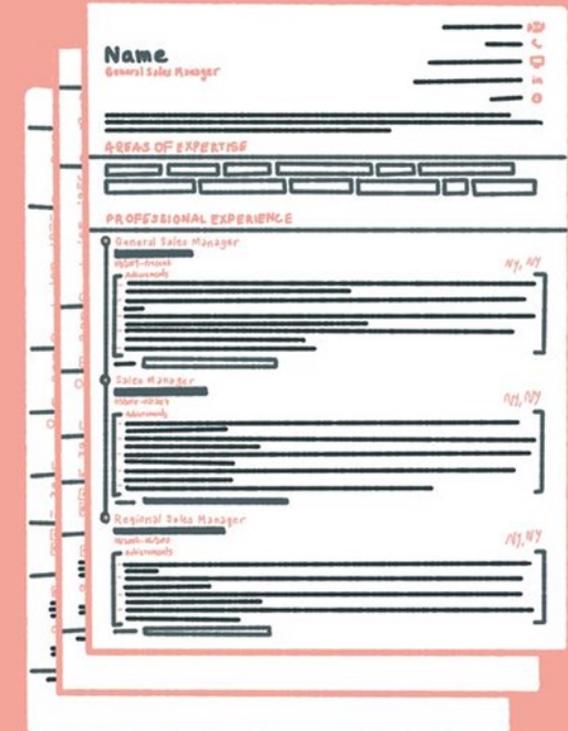
*Developing talents,
advancing research*

Resume vs. Curriculum Vitae (CV)

- Specific focus on abstracts and CVs



-Showcases competence: work history, accomplishments, etc.
-Used for practically any job
-Typically concise (one page)



-Showcases credentials: certifications, research, affiliations, etc.
-Used for academic, scientific, and medical jobs
-Typically detailed (several pages long)

- Collaboration with NCPs and (former) grantees



- BIG4 - Biosystematics, Informatics and Genetics of the big 4 insect groups: training tomorrow's researchers and entrepreneurs H2020-MSCA-ITN-2014
- Japan and Europe Network for Neutrino and Intensity Frontier Experimental Research H2020-MSCA-RISE-2014
- Distributed 3D Object Design H2020-MSCA-ITN-2014
- Control of leishmaniasis, from bench to bedside and community H2020-MSCA-ITN-2014
- Ecological Modelling of the Greenland Ice Sheet Surface Ecosystem H2020-MSCA-IF-2014
- The History of Human Freedom and Dignity in Western Civilization H2020-MSCA-ITN-2015
- Targeted small-molecule Stabilisation of Protein-Protein Interactions H2020-MSCA-ITN-2015
- Interdisciplinary Network for Dementia Utilising Current Technology (INDUCT) H2020-MSCA-ITN-2015
- Global Excellence in Modelling of Climate and Energy H2020-MSCA-RISE-2015
- Fracture Across Scales and Materials, Processes and Disciplines H2020-MSCA-RISE-2016
- Evolution and development of pharyngeal pouches and pre-oral gut in basal fishes H2020-MSCA-IF-2016
- An international, multi-disciplinary, multi-sectoral training network on ageism H2020-MSCA-ITN-2017
- Delayed Transformational Fatigue in Central and Eastern Europe H2020-MSCA-ITN-2017
- A multi-disciplinary international effort to identify clinical, molecular and social factors impacting cutaneous leishmaniasis H2020-MSCA-RISE-2017
- Migration and Modernity: Historical and Cultural Challenges H2020-MSCA-ITN-2018
- Japan and Europe Network for Neutrino and Intensity Frontier Experimental Research 2 H2020-MSCA-RISE-2018
- Combinatorial Structures and Processes H2020-MSCA-RISE-2018
- Study of neutral pion decays at the NA62 experiment at CERN H2020-MSCA-IF-2018
- Global Excellence in Modeling Climate and Energy Policies H2020-MSCA-RISE-2019
- Legal Cultures and Business Environments in Central Asia H2020-MSCA-RISE-2019
- European Network for integrated TRAINing on Innovative Therapies for VISION RestoratiON H2020-MSCA-ITN-2019
- Predictive Rendering In Manufacture and Engineering H2020-MSCA-ITN-2020
- Randomness and learning in networks H2020-MSCA-RISE-2020
- Hard probes of heavy-ion collisions H2020-MSCA-IF-2020
- Fluorescence-detected Transient Absorption Microscopy H2020-MSCA-IF-2020
- Experiences of youth in natural mentoring relationships: Qualitative exploratory study H2020-MSCA-IF-2020
- A coupled thermo-hydro-mechanical model for physically-based assessments of slope stability accounting for climate change H2020-MSCA-IF-2020
- Constrained convergence: does pleiotropy constrain convergent alpine adaptation? HORIZON-MSCA-2021-PF-01
- Neuroendocrine regulation of Phlebotomus perniciosus immunity and microbiota: fighting Leishmania infection HORIZON-MSCA-2021-PF-01
- Cartan geometry, Lie and representation theory, Integrable Systems, quantum Groups and quantum computing towards the understanding of the geometry of deep Learning and its Applications HORIZON-MSCA-2021-SE-01
- Multilevel Orders of Corruption in Central Asia HORIZON-MSCA-2021-SE-01
- The Russian automotive industry 1991-2020 HORIZON-MSCA-2021-PF-01



UNIVERZITA
KARLOVA

- **Ondřej DANIEL, Ph.D.**
Department of Science and Research - European Centre
Charles University, Prague, Czech Republic

Ovocný trh 560/5, 116 36 Prague, Czech Republic

- tel.: +420 224 491 692
- ondrej.daniel@ruk.cuni.cz
- web: www.cuni.cz

FZU – Institute of Physics of the Czech Academy of Sciences

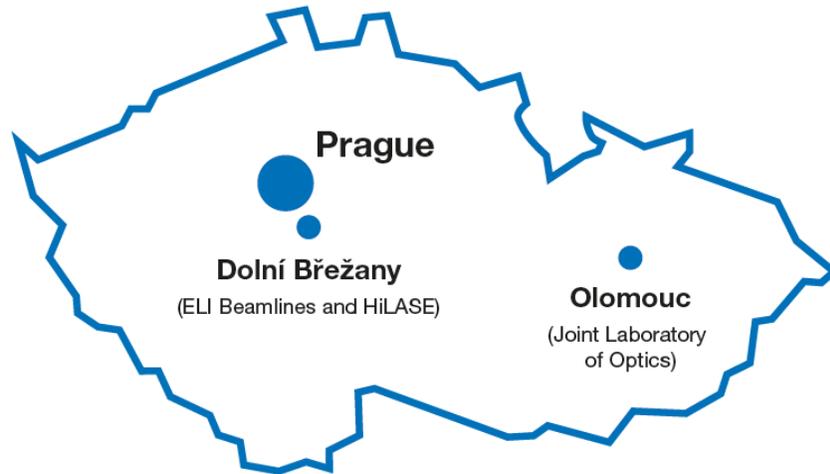
Jiří Červenka

Who are we?

- FZU is the largest institute in the Czech Academy of Sciences
- More than 1100 employees
- Excellent basic and applied research in physics



Where are we located?



Prague

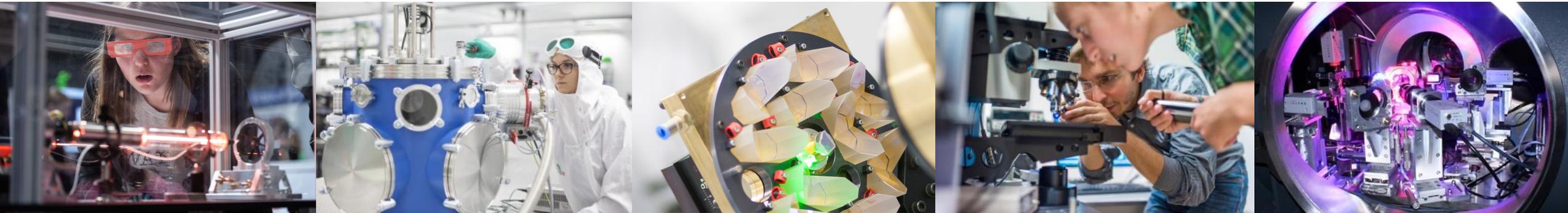


Why FZU?

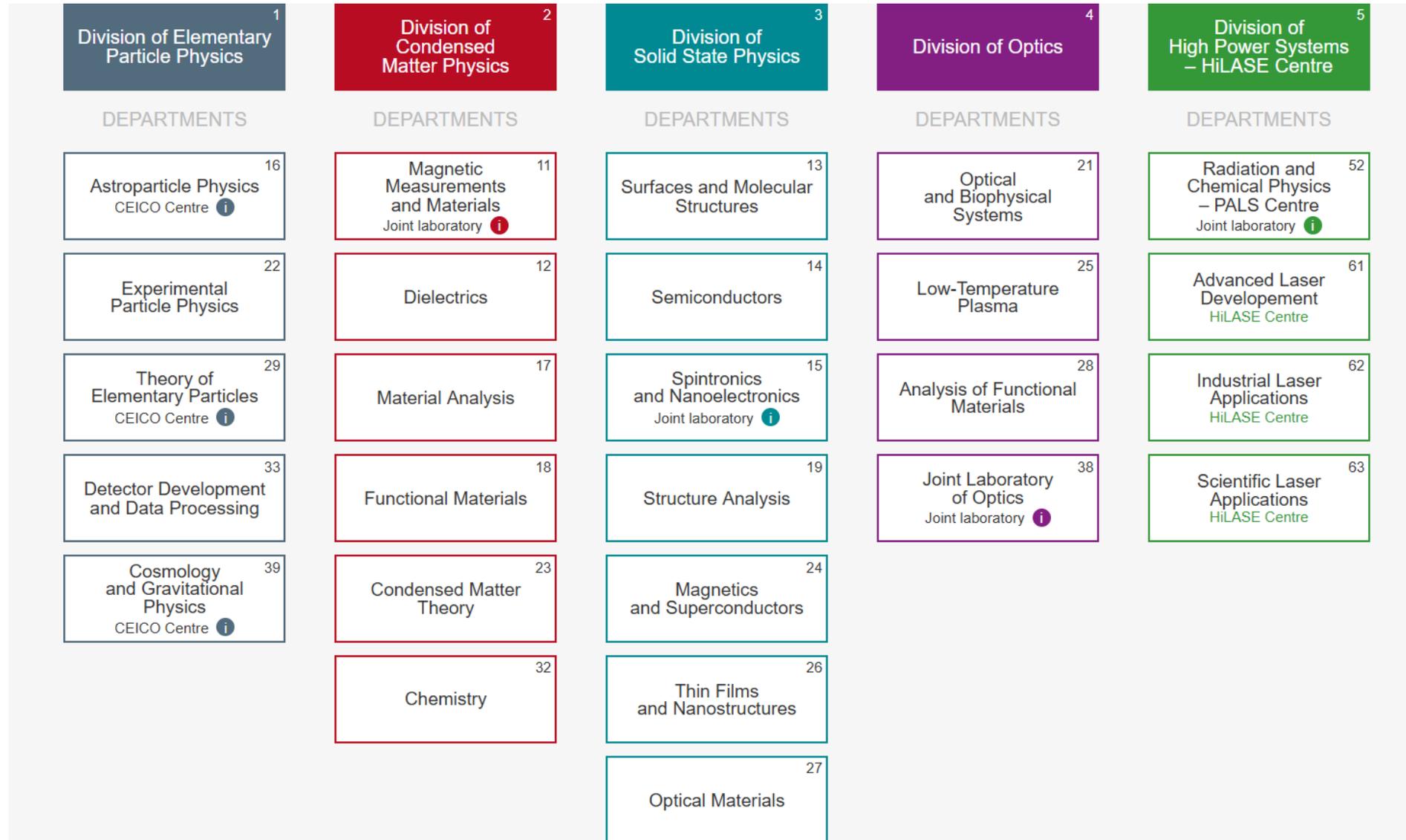
- One of most successful research institution in the Czech Republic
- Top research infrastructure and facilities
- Excellent research teams
- Inspirational research environment & good working conditions
- Targeted training for postdocs and students



HR EXCELLENCE IN RESEARCH



What type of research can you do at FZU?



Postdoc community at FZU

Become a member of a growing community of young talented physicists!

- FZU has currently more than 150 postdocs
- FZU has a growing number of MSCA and ERA fellows (currently 8)
- National financing of highly ranked candidates through OP JAK (currently 5)

**FZU received MSCA COFUND – Physics for Future (P4F) project
60 MSCA fellows in next 5 years**

Postdoc support

- Grant preparation support
- Postdoc events & conferences
- Training and development



Apply to become a part of FZU

Main contact point:

science@fzu.cz

Find your supervisor at FZU:

<https://www.fzu.cz/en/people>



Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences



Pavlína Maloy Řezáčová



HR EXCELLENCE IN RESEARCH

EURAXESS WW webinar 2023

IOCB Prague

- leading scientific institution in the Czech Republic
- excellent basic research & successful applications at the interface of chemical and biological sciences
- emphasis on interdisciplinary approach
- particularly successful in medicinal chemistry, chemistry of natural products, organic synthesis and molecular modeling
- **49 scientific groups, 260 publications/year**
- **950+ employees, 220+ PhD students**
- international environment, **40+ nationalities**
- cutting-edge facilities & technologies
- collaboration with strong research & commercial partners



Research at IOCB Prague



CHEM



drug discovery
organic synthesis
medicinal chemistry
natural products chemistry
materials chemistry
chemical biology
photochemistry
nanochemistry

PHYS



drug design
molecular modeling
computational chemistry
quantum mechanics
chemistry
molecular spectroscopy
analytical chemistry
separation science

BIO



biochemistry
structural biology
molecular biology
physiology
cell biology
chemical ecology
diagnostic tools
neuroscience

Crosstalk between chemistry
and other sciences

Interdisciplinary
approach

Postdoc positions at IOCB Prague

Thinking about the next step after you finish your PhD? IOCB has a lot to offer.

Leaders of **49 scientific groups** are looking for talented, ambitious and motivated colleagues.

► <https://www.uochb.cz/en/groups>

IOCB Prague
Pavlina Maloy Rezacova Group
Structural Biology
Research Group Senior PhD cluster

Michal Hocek Group
Bioorganic and Medicinal Chemistry of Nucleic Acids
Research Group Distinguished Chair CHEM cluster

Lubomir Rulisek Group
Theoretical Bioinorganic Chemistry
Research Group Senior PHTS cluster

About our group
Our mission is to identify and validate key biological interactions implicated in human pathologies that could be targeted in therapeutic intervention. With this goal in mind we focus on detailed understanding of molecular mechanisms of various biological processes using the means of integrative structural biology. We use structural knowledge for understanding and also modulation of biological roles of proteins and protein-protein complexes. We foster our own research projects and actively share our expertise through a number of collaborations with the scientific community mainly but not exclusively at IOCB.

Structural biology and drug discovery
Biomolecular NMR
X-ray crystallography
Drug discovery

External group visits

MEDICINAL CHEMISTRY
New nucleosides with anticancer glycosyl activities
J Med Chem 2015, 58, 1492
J Med Chem 2014, 57, 1458
J Med Chem 2013, 56, 1077

APPLICATIONS OF MODIFIED DIAGNOSTICS CHEMICAL F
Fluorescently labeled nucleosides
Chem Commun 2015, 11, 1080
Angew Chem Int Ed 2014, 53, 114
Angew Chem Int Ed 2014, 53, 114

BIOORGANIC CHEMISTRY
Polymeric synthesis of cross-modified DNA
Macromolecules 2014, 47, 1010
J Org Chem 2014, 79, 1161

RECOGNITION LABELLING
Bioorganic Chem 2014, 21, 1044
Chem Commun 2014, 11, 1080

CHEMICAL SWITCH
Angew Chem Int Ed 2014, 53, 114

RECOGNITION LABELLING
Chem Commun 2014, 11, 1080

CROSS-LINKING WITH PROTEINS
Chem Commun 2014, 11, 1080

TRANSCRIPTION RE...
Angew Chem Int Ed 2014, 53, 114

PROTEIN STABILITY AND FOLDING
Bioorganic chemistry

MULTIPLICITY CHEMISTRY & MOLECULAR INTERACTIONS
Structural biochemistry

FUNCTIONAL NUCLEOTIDES

COMPUTATIONAL CHEMISTRY

I am proud to report, as one of the authors, that our paper "In Defense of In Science" journalofcontroversialideas.org/article/3/1/236.

Postdocs at IOCB Prague

- IOCB has a lot to offer
- 220+ early career researchers in our growing community of IOCB postdocs
- 40 % are international
- IOCB Postdoc Network

- Positions for postdocs available ► www.uochb.cz/en/open-positions
- IOCB Fellowships for postdocs ► www.uochb.cz/en/apply-for-postdoc

Are you interested? What are the next steps?

- **Check** IOCB Prague groups to find a topic of your interest www.uochb.cz/en/groups
- **Prepare** your project proposal (1 page) + your CV and track record
- **Contact** selected group leader and negotiate future collaboration

We are a multidisciplinary research institute looking for motivated postdocs to join us!

PhD program at IOCB Prague

- IOCB Prague is looking for talented, independent, and highly motivated PhD students with an MSc degree or equivalent in life sciences or related fields

► www.uochb.cz/phd





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IOCB PRAGUE

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