List of Post-Doctoral Fellowships

Call No. XVIII (2025)

A new call for applications has been announced.

Applicants can apply in 2025 for positions in projects announced by the following faculties/institutes:

- 1. Faculty of Social Sciences : 3 projects
- 2. Center for Economic Research and Graduate Education : 1 project
- 3. Faculty of Mathematics and Physics : 6 projects
- 4. Faculty of Science : 7 projects
- 5. Faculty of Humanities : 2 projects
- 6. Faculty of Arts : 7 projects
- 7. Faculty of Education : 3 projects
- 8. Faculty of Law : 1 project
- 9. First Faculty of Medicine : 1 project
- 10. Faculty of Medicine in Pilsen : 2 projects

Deadlines of submitting of applications you will find under each specific project. More detailed information about general conditions of applying for positions funded by JUNIOR Fund you can find on the website: <u>JUNIOR Fund (Post-doc)</u>.

Faculty of Social Sciences

The dynamics of life	beralism and illiberalism in Central Europe	
Project Annotation:	The rise of illiberalism around the world and specifically in Central Europe has already been studied. In this project the candidate will engage in cutting-edge research that explores the evolving political landscape of Central Europe, focusing on the interplay between liberal and illiberal forces. This research has to contribute to our ongoing research on the dynamics of liberalism and illiberalism in Central Europe today, eventually in a broader comparative perspective, or on a specific theme proposing a new light on this dynamic. This research will address critical questions such as the evolution in defining characteristics of liberalism and illiberalism in contemporary Central Europe: <i>how do these ideologies beared by political actors</i> <i>(individuals and parties) influence political institutions, civil</i> <i>society, and public policies; what are the factors driving the</i> <i>rise of illiberalism in the region and how this rise shapes</i> <i>liberalism; eventually how do international actors and</i> <i>global trends impact the liberal-illiberal divide in Central</i> <i>Europe?</i>	
What do we offer:	 Leading institute in political science in the Czech Republic and Central Europe Teaching opportunities in relevant courses Participation in the ongoing projects of the department Salary: Equivalent 2800 EUR/month 	e
Profile of an ideal candidate:	We seek a candidate with a Ph.D. in political science or related fields. The candidate should have a strong background in political science with experience in	

	fieldwork. Ability to carry out collaborative research; teaching experience is welcome.	
Workplace:	Institute of Political Studies, Faculty of Social Sciences	
Supervisor:	Associate prof. Michel Perottino, Ph.D.	
E-mail:	perottino@fsv.cuni.cz	
Phone:	+420 267 224 244	
Position available from:	January 1, 2026	
Application deadline:	July 25, 2025	
Applicants must	perottino@fsv.cuni.cz	
submit required		
Strategic Ambiguit	y and Statecraft in a Changing Global Landscape	
Project Annotation:	In today's increasingly transparent and contested political landscape—marked by real-time media exposure, digital surveillance, and intensifying geopolitical competition—the ability of states to pursue covert or deniable actions is under strain. The global landscape is also defined by a web of interlinked crises: <i>democratic backsliding, great power</i> <i>rivalry, regional conflicts, technological disruption, and the</i> <i>redefinition of sovereignty and legitimacy.</i> These shifts challenge the tools and traditions of statecraft. Within this context, Israel offers a rich empirical case study. Its long-standing "policy of ambiguity" in conventional and nuclear realms—used to obscure responsibility, signal deterrence, or manage escalation— raises pressing questions about the limits and durability of such strategic behaviour. Did the policy of ambiguity ever exist as imagined? How has it evolved? And is such ambiguity still possible or effective today?	
What do we offer:	 Leading institute in political science in the Czech Reput Bonuses according to the outcomes of the post-doctora Salary: Equivalent 2800 EUR/month 	olic and Central Europe I project
Profile of an ideal candidate:	 We are looking for a postdoctoral fellow to conduct cutting-edge research in this broad area, ideally bringing new theoretical and empirical insights to bear on: Covert action and deniability in contemporary international relations The relationship between ambiguity, deterrence, and escalation management Normative shifts in global transparency and accountability Strategic communication, disinformation, or proxy conflict Empirical studies focused on Israel or comparative cases Expected outcomes of the postdoctoral fellowship include at least two high-quality journal articles (JSc or JImp), and participation in the research and teaching activities of HCIS. The successful candidate is expected to teach at least one course per semester with a focus on Israel Studies and to be physically present in Prague for the duration of the postdoctoral fellowship.	

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Workplace:	The Herzl Center for Israel Studies (HCIS) is a teaching and research center at Charles University, which is affiliated with the Faculty of Social Sciences. The HCIS pursues advanced research at the crossroads of political science, international relations, and history. To strengthen and further expand our research, the HCIS now seeks a candidate with outstanding research skills in research areas related to Israel Studies.	
Supervisor:	Dr. Irena Kalhousová	
E-mail:	irena.kalhousova@fsv.cuni.cz	
Position available from:	January 1, 2026	
Application deadline:	July 25, 2025	
Applicantsmustsubmitrequireddocumentsto:	irena.kalhousova@fsv.cuni.cz	
International relation	ons in the time of uncertainty	
Project Annotation:	This project will address international politics at a time when it is facing several significant challenges: the changing distribution of power in the international system, social and ideological shifts occurring in developed countries, and Russia's invasion of Ukraine. The specific topic should, in some way, relate to the changing nature of world politics . In this context, we welcome proposals that explore both the cooperative and conflictual dimensions of international affairs. In terms of issue areas , we are open to proposals focusing on security matters, international economic relations, or any other substantive field within contemporary international relations.	
What do we offer:	 Leading institute in political science in the Czech Reput Bonuses according to the outcomes of the post-doctora Salary: Equivalent 2800 EUR/month 	blic and Central Europe Il project
Profile of an ideal candidate:	We are seeking a postdoctoral candidate who will identify and explore a significant issue related to the project described above. The candidate should possess a strong theoretical and methodological background.	
Workplace:	Institute of Political Studies, Faculty of Social Sciences	
Supervisor:	Assoc. Prof. Jan Karlas, Ph.D.	
E-mail:	jan.karlas@fsv.cuni.cz	
Phone:	+420 267 224 245	
Position available from:	January 1, 2026	
Application deadline:	July 25, 2025	
Applicantsmustsubmitrequireddocumentsto:	jan.karlas@fsv.cuni.cz	

Center for Economic Research and Graduate Education

Distributional Effect	cts of Macroeconomic Shocks
Project Annotation:	The project examines the distributional impacts of macroeconomic shocks on household economic

	expectations and financial decisions. The research addresses critical gaps in our understanding of how macroeconomic policies affect different segments of the population, with important implications for the design of monetary policy, financial stability, and economic inequality.	
What do we offer:	The Centre for Economic Research and Graduate Education provides a comprehensive and supportive environment for international researchers at the beginning of their careers. It is ranked among the top 5% of research institutions worldwide by SSRN and RePEc. Researchers have the opportunity to consult on their work with internationally recognised faculty, who hold PhDs from leading global universities and are actively engaged in both academic research and policy-making.	
Profile of an ideal candidate:	CERGE-EI seeks a postdoctoral candidate focused on macroeconomics and innovative methodological approaches . Applicants should demonstrate the capacity to pursue a research project at the frontier of current knowledge, as well as the ability to achieve a strong publication record in leading scholarly journals.	
Workplace:	Centre for Economic Research and Graduate Education	
Supervisor:	doc. Marek Kapička, Ph.D.	
E-mail:	dda@cerge-ei.cz	
Phone:	+420 224 005 132	
Position available from:	January 1, 2026	
Application deadline:	August 5, 2025	
Applicantsmustsubmitrequireddocumentsto:	dda@cerge-ei.cz , hr@cerge-ei.cz	

Faculty of Mathematics and Physics

Theoretical Found	dations for Continuous Computational Social Choice	
Project Annotation:	Computational Social Choice is a field concerning the computational and algorithmic aspects of voting , campaigning, allocation of resources, matching , etc. [1] The models traditionally considered are inherently discrete: they model the society as a set of discrete agents, each with their political preference, utility function, and so on. It is seemingly a mere coincidence that in large-scale societies, most agents are not unique, and a society can be more compactly described by defining certain <i>types</i> of agents, together with the <i>distribution</i> of agents among types. Another natural step is to start viewing the distribution as ratios, e.g., by saying, "there are 13% of agents of type A,".	
	This leads to a novel way to model most problems studied in computational social choice. For each problem, one can consider its "continuous analogue", and preliminary evidence shows that it is sometimes much more computationally tractable. The main goal of the project is to build the theoretical foundations of <i>continuous</i> computational social choice . This means determining the computational	

	complexity of continuous analogues of fundamental problems from computational social choice, and, in the course of this, identifying and developing the key algorithmic techniques necessary to do so.	
	[1] Brandt, F., Conitzer, V., Endriss, U., Lang, J., & Procaccia, A. D. (Eds.). (2016). Handbook of computational social choice. Cambridge University Press	
What do we offer:	The Computer Science Institute (CSI) of the Faculty of I Charles University offers an excellent environment for th most prestigious institution in Czechia for mathemati science , and attracts outstanding students. CSI research leading conferences of the field (AAAI, IJCAI, AAMAS, FC internationally recognised for their contributions.	Mathematics and Physics at is project. Our faculty is the cs, physics, and computer hers regularly publish in the DCS, STOC, SODA) and are
	The candidate will work within the research group led by D in integer programming and computational social choice. two PhD students, several junior students, and maintains ac groups at FEE and FIT of the Czech Technical University.	r Martin Koutecký, an expert The group currently includes tive collaboration with related
Profile of an ideal candidate:	The ideal candidate must have experience with topics relevant to the project , such as computational social choice, multiagent systems, optimization, algorithms, etc. They have demonstrated their expertise by having their contributions published at the top relevant venues, such as the conferences listed above (AAAI, IJCAI, AAMAS, FOCS, STOC, SODA) and similar.	
Workplace:	Computer Science Institute (CSI), Faculty of Mathematics and Physics, Charles University	
Supervisor:	Mgr. Martin Koutecký, Ph.D.	
E-mail:	koutecky@iuuk.mff.cuni.cz	
Phone:	+420 774 853 316	
Position available from:	January 1, 2026	
Application deadline:	August 1, 2025	
Applicantsmustsubmitrequireddocumentsto:	koutecky@iuuk.mff.cuni.cz	
Experimental Eval	uation of Continuous Computational Social Choice	
Project Annotation:	Computational Social Choice is a field concerned with the computational and algorithmic aspects of voting, campaigning, resource allocation, matching, and related problems [1]. Traditionally, the models studied are inherently discrete: society is modelled as a set of distinct agents, each with their own political preferences, utility functions, and so on. It appears to be a coincidence that in large-scale societies, most agents are not unique, and society can often be more compactly described by defining certain types of agents, along with a distribution of agents among these types. A natural step forward is to view this distribution in terms of proportions, e.g., stating, "13% of agents are of type A," and so on. This perspective leads to a novel way of modelling many problems in computational social choice. For each problem, one can consider its "continuous analogue". Preliminary experiments suggest that such models can often serve as accurate proxies for the original discrete problems, while being computationally more tractable.	

	The main goal of this project is to experimentally evaluate the relationship between the continuous and discrete variants of fundamental problems in computational social choice . This involves implementing algorithms to solve both variants, testing them on synthetic and real- world data, and analysing when and why their results (dis)agree. Since most of the original problems are computationally hard, we will primarily rely on existing solvers for combinatorial optimisation problems, such as linear programming (LP), integer programming (IP), satisfiability (SAT), and constraint satisfaction problems (CSP). Nonetheless, this task remains highly challenging. <i>[1] Brandt, F., Conitzer, V., Endriss, U., Lang, J.,</i> & <i>Procaccia, A. D. (Eds.). (2016). Handbook of</i> <i>Computational Social Choice. Cambridge University</i> <i>Press.</i>	
What do we offer:	The Computer Science Institute (CSI) of the Faculty of M Charles University offers an excellent environment for this most prestigious institution in Czechia for mathematic science , and attracts outstanding students. CSI research leading conferences of the field (AAAI, IJCAI, AAMAS, FO internationally recognised for their contributions.	Mathematics and Physics at s project. Our faculty is the s, physics, and computer ers regularly publish in the CS, STOC, SODA) and are
	The candidate will work within the research group led by Dr in integer programming and computational social choice. T two PhD students, several junior students, and maintains acti groups at FEE and FIT of the Czech Technical University.	 Martin Koutecký, an expert The group currently includes ive collaboration with related
Profile of an ideal candidate:	The ideal candidate must have hands-on experience with optimisation techniques and solvers , as well as a strong theoretical background in operations research and algorithms. They will have demonstrated expertise through original contributions that combine theoretical analysis with practical experimentation and an emphasis on computational efficiency.	
Workplace:	Computer Science Institute (CSI), Faculty of Mathematics and Physics, Charles University	
Supervisor:	Mgr. Martin Koutecký, Ph.D.	
E-mail:	koutecky@iuuk.mff.cuni.cz	
Phone:	+420 774 853 316	
Position available from:	January 1, 2026	
Application deadline:	August 2, 2025	
Applicantsmustsubmitrequireddocumentsto:	koutecky@iuuk.mff.cuni.cz	
Understanding vis	ual system using biologically inspired recurrent neural	
Project Annotation:	Modern deep-learning techniques have transformed visual neuroscience by substantially improving the ability of models to predict cortical neuron responses to unseen visual stimuli. However, current deep-learning methods have two major shortcomings. First, they focus on predicting only the average neural response, failing to capture the fine temporal dynamics generated within recurrent neural populations. Second, these models rely on standard "off-the-shelf" architectures optimized for efficient	

	training rather than reflecting the biological substrate under study. As a result, they function as black boxes, making it difficult to interpret the learned representations in terms of how biological visual processing is organized and implemented in neural circuits. These limitations hinder the ability of deep-learning models to provide meaningful insights into the principles governing vision. To address these challenges, in this project we will develop novel modular, multi-layer recurrent neural network (RNN) architectures that directly mirror the architecture of the primary visual cortex. Our models will establish a one-to-one mapping between individual neurons at different stages of the visual pathway and their artificial counterparts. They will explicitly incorporate functionally specific lateral recurrent interactions, excitatory and inhibitory neuronal classes, complex single-neuron transfer functions with adaptive mechanisms, and synaptic depression. We will first train our new RNNs on synthetic data generated by a state- of-the-art biologically realistic recurrent spiking model of the primary visual cortex developed in our group. After we establish the proof-of-concept on the synthetic data, we will translate our models to publicly available mouse and macaque data, as well as additional data from our experimental collaborators.	
What do we offer:	We are the Computational Systems Neuroscience G Faculty of Mathematics and Physics of Charles University our group is to identify computations implemented in the our sensory perception, as well as applying this knowledge protocols for visual prosthetic systems. To that end, we but at various levels of abstraction using a variety of comput but not limited to, machine learning and large-scale biologi network simulations. We offer dynamic international working environemnt on collaborations with world-leading experimental labs (Stanfo	roup (CSNG) based at the y, Prague. The main goal of neural system that underlie e to the design of stimulation ild models of visual systems ational techniques including, cally plausible spiking neural state-of-the-art research, and rd, University of Pensylvania,
Profile of an ideal candidate:	Strong background in modern machine learning techniques. Prior experience in specifically training recurrent neural networks, and in neurosciecne or related disciplines is an advantage, but not strict requirement.	
Workplace:	You will be based in the <u>Computational Systems</u> <u>Neuroscience Group</u> which is part of the Computer Science section of the Faculty of Mathematics and Physics at Charles University.	
Supervisor:	Ján Antolík (and <u>Martin Schmid</u> as advisor)	
E-mail:	jan.antolik@mff.cuni.cz	
Phone:	+420 732 121 377	
Position available from:	January 1, 2026	
Application deadline:	August 5, 2025	
Applicantsmustsubmitrequireddocumentsto:	jan.antolik@mff.cuni.cz	
Pure and Applied N	Aathematics	

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Project Annotation:	Independent research in any area of mathematics with a preferable relation to research directions at School of Mathematics	
What do we offer:	Applications are invited for a postdoc position at School Mathematics and Physics, Charles University in Prague, Ca	of Mathematics, Faculty of zech Republic.
Profile of an ideal candidate:	We are looking for strong candidates in any area mathematics , including logic and algebra (broadly interpreted), number theory, geometry, harmonic analysis, functional analysis, ordinary and partial differential equations and dynamical systems, descriptive set theory, mathematical modelling, numerical analysis, high-performance computing, stochastics, econometrics, financial mathematics, machine learning/ artificial intelligence with applications in continuum thermodynamics / theory of partial differential equations.	
Workplace:	School of Mathematics, Faculty of Mathematics and Physics, Charles University	
Supervisor:	prof. RNDr. Vít Dolejší, Ph.D., DSc.Contact person: Pavla Kučerová	
E-mail:	pavla.kucerova@matfyz.cuni.cz	
Phone:	+420 951 553 123	
Position available from:	January 1, 2026	
Application deadline:	July 15, 2025	
Applicantsmustsubmitrequireddocumentsto:	pavla.kucerova@matfyz.cuni.cz	
Discrete and Comp	outational Geometry	
Discrete and Comp Project Annotation:	Discrete geometry investigates combinatorial properties of geometric objects in Euclidean spaces. Computational geometry considers the design of efficient algorithms for computing with geometric configurations. The research of our team is focused on both areas and their mutual interplay. In particular, we work on problems on convexity of point sets, visibility, graph drawing, crossing numbers of graphs, semialgebraic hypergraphs, and Delauney graphs.	
Discrete and Comp Project Annotation: What do we offer:	Discrete geometry investigates combinatorial properties of geometric objects in Euclidean spaces. Computational geometry considers the design of efficient algorithms for computing with geometric configurations. The research of our team is focused on both areas and their mutual interplay. In particular, we work on problems on convexity of point sets, visibility, graph drawing, crossing numbers of graphs, semialgebraic hypergraphs, and Delauney graphs. Our research team consists mostly of young researchers inc team members work on problems within the current research	cluding several students. The ch directions in the field.
Discrete and Comp Project Annotation: What do we offer: Profile of an ideal candidate:	Discrete geometry investigates combinatorial properties of geometric objects in Euclidean spaces. Computational geometry considers the design of efficient algorithms for computing with geometric configurations. The research of our team is focused on both areas and their mutual interplay. In particular, we work on problems on convexity of point sets, visibility, graph drawing, crossing numbers of graphs, semialgebraic hypergraphs, and Delauney graphs. Our research team consists mostly of young researchers inc team members work on problems within the current research We are looking for a motivated strong candidate with a research experience in the relevant area.	cluding several students. The ch directions in the field.
Discrete and Comp Project Annotation: What do we offer: Profile of andidate: Workplace:	Discrete geometry investigates combinatorial properties of geometric objects in Euclidean spaces. Computational geometry considers the design of efficient algorithms for computing with geometric configurations. The research of our team is focused on both areas and their mutual interplay. In particular, we work on problems on convexity of point sets, visibility, graph drawing, crossing numbers of graphs, semialgebraic hypergraphs, and Delauney graphs. Our research team consists mostly of young researchers inc team members work on problems within the current research We are looking for a motivated strong candidate with a research experience in the relevant area. Department of Applied Mathematics, Malostranské nám., Praha 1	cluding several students. The ch directions in the field.
Discrete and Comp Project Annotation: What do we offer: Profile of an ideal candidate: Workplace: Supervisor:	Discrete geometry investigates combinatorial properties of geometric objects in Euclidean spaces. Computational geometry considers the design of efficient algorithms for computing with geometric configurations. The research of our team is focused on both areas and their mutual interplay. In particular, we work on problems on convexity of point sets, visibility, graph drawing, crossing numbers of graphs, semialgebraic hypergraphs, and Delauney graphs. Our research team consists mostly of young researchers inc team members work on problems within the current research We are looking for a motivated strong candidate with a research experience in the relevant area. Department of Applied Mathematics, Malostranské nám., Praha 1 doc. RNDr. Pavel Valtr, Dr.	cluding several students. The ch directions in the field.
Discrete and Comp Project Annotation: What do we offer: Profile of an ideal candidate: Workplace: Supervisor: E-mail:	Discrete geometry Discrete geometry investigates combinatorial properties of geometric objects in Euclidean spaces. Computational geometry considers the design of efficient algorithms for computing with geometric configurations. The research of our team is focused on both areas and their mutual interplay. In particular, we work on problems on convexity of point sets, visibility, graph drawing, crossing numbers of graphs, semialgebraic hypergraphs, and Delauney graphs. Our research team consists mostly of young researchers inclue team members work on problems within the current research We are looking for a motivated strong candidate with a research experience in the relevant area. Department of Applied Mathematics, Malostranské nám., Praha 1 doc. RNDr. Pavel Valtr, Dr. valtr@kam.mff.cuni.cz	cluding several students. The ch directions in the field.
Discrete and Comp Project Annotation: What do we offer: Profile of an ideal candidate: Workplace: Supervisor: E-mail: Phone:	Discrete geometryDiscrete geometry investigates combinatorial properties of geometric objects in Euclidean spaces. Computational geometry considers the design of efficient algorithms for computing with geometric configurations. The research of our team is focused on both areas and their mutual interplay. In particular, we work on problems on convexity of point sets, visibility, graph drawing, crossing numbers of graphs, semialgebraic hypergraphs, and Delauney graphs.Our research team consists mostly of young researchers ind team members work on problems within the current research We are looking for a motivated strong candidate with a research experience in the relevant area.Department of Applied Mathematics, Malostranské nám., Praha 1 doc. RNDr. Pavel Valtr, Dr. valtr@kam.mff.cuni.cz+420 951 554 228	cluding several students. The ch directions in the field.
Discrete and Comp Project Annotation: What do we offer: What do we offer: Profile of an ideal candidate: Workplace: Supervisor: E-mail: Phone: Position available from:	Discrete geometry Discrete geometry investigates combinatorial properties of geometric objects in Euclidean spaces. Computational geometry considers the design of efficient algorithms for computing with geometric configurations. The research of our team is focused on both areas and their mutual interplay. In particular, we work on problems on convexity of point sets, visibility, graph drawing, crossing numbers of graphs, semialgebraic hypergraphs, and Delauney graphs. Our research team consists mostly of young researchers include team members work on problems within the current research We are looking for a motivated strong candidate with a research experience in the relevant area. Department of Applied Mathematics, Malostranské nám., Praha 1 doc. RNDr. Pavel Valtr, Dr. valtr@kam.mff.cuni.cz +420 951 554 228 January 1, 2026	cluding several students. The ch directions in the field.
Discrete and Comp Project Annotation: What do we offer: What do we offer: Profile of an ideal candidate: Workplace: Supervisor: E-mail: Phone: Position available from: Application deadline:	Discrete geometryDiscrete geometry investigates combinatorial propertiesof geometric objects in Euclidean spaces. Computationalgeometry considers the design of efficient algorithms forcomputing with geometric configurations. The researchof our team is focused on both areas and their mutualinterplay. In particular, we work on problems on convexityof point sets, visibility, graph drawing, crossing numbers ofgraphs, semialgebraic hypergraphs, and Delauney graphs.Our research team consists mostly of young researchers incteam members work on problems within the current researchWe are looking for a motivated strong candidate with aresearch experience in the relevant area.Department of Applied Mathematics, Malostranské nám.,Praha 1doc. RNDr. Pavel Valtr, Dr.valtr@kam.mff.cuni.cz+420 951 554 228January 1, 2026July 20, 2025	cluding several students. The ch directions in the field.

Small space algori	thms for directed graph connectivity	
Project Annotation:	The goal of the project is to design small space algorithms for directed graph connectivity . Undirected connectivity is known to have algorithms that run in logarithmic space. For directed connectivity the best algorithms either use large space (almost linear, Barnes et al. 1998) or run in super-polynomial time (Savitch's algorithm). The question whether either of them is optimal is a major open problem. In past several years there has been a major progress in designing small space algorithms for various problems. Most notably, Cook and Mertz (2024) in their breakthrough result designed an almost logarithmic space algorithm for tree evaluation problem. That algorithm in turn enabled another breakthrough result on simulating time by space of Williams (2025). There is a hope that those techniques and similar techniques from catalytic computing could allow for progress on the questions of this project.	
What do we offer:	The group of theoretical computer science hosted by the <u>Charles University</u> together with the Department of Applie leading groups in the research area. It offers a vibrant en (seminars, colloquia, workshops, spring schools and sum year. We offer a one-year post-doc positions with a possibility	Computer Science Institute of ed Mathematics is one of the vironment with many events mer schools) throughout the of extension for another year.
Profile of an ideal candidate:	Junior researcher with strong background in computer science and mathematics. Strong research track record with publications in major computer science venues are expected.	
Workplace:	Department of Applied Mathematics, Malostranské nám., Praha 1	
Supervisor:	Prof. Michal Koucký, Computer Science Institute of Charles University	
E-mail:	Koucky@iuuk.mff.cuni.cz	
Phone:	+420 775 218 442	
Position available from:	January 1, 2026	
Application deadline:	July 28, 2025	
Applicantsmustsubmitrequireddocumentsto:	Koucky@iuuk.mff.cuni.cz	

Faculty of Science

Developing made	chine learning tools for reactive atomistic material	
Project Annotation:	 This position offers an opportunity to advance computational material chemistry through machine learning (ML), focusing on three key areas: ML-Force Fields (MLFFs). You'll develop and refine MLFFs by building and mining ab initio databases, training with deep neural networks, and implementing active-learning for fine-tuning. This includes expanding applicability via transfer-learning and enhancing accuracy with delta-learning. 	

	 ML-Driven Property Prediction. The role involves predicting tensorial properties (e.g., NMR, IR Born effective charges) by training ML models on ab initio databases. Advanced (ML-Accelerated) Sampling. You'll develop ML-accelerated tools for global structure search and reaction network mapping This includes creating ML-based collective variables for enhanced molecular dynamics simulations and advancing biased molecular dynamics and (hybrid) Monte Carlo schemes. The work will involve rigorous testing on established systems (e.g., zeolites) and offers the potential to model complex challenges like zeolitic material synthesis. This is a chance to contribute cutting-edge research at the ML-chemistry interface. Relevant Publications: Nature Communications, 2024, doi: 10.1038/s41467-024-48609-2 Digital Discovery, 2025, doi: 10.1039/D4DD00306C Proceedings of Machine Learning Research, 2023, doi: 10.48550/arXiv.2301.03480 	
What do we offer:	Networking and collaboration:	<u> </u>
	MLFFs & ML-based property predictors: R. Gomez-Bomba (STFC, UK); A. Fortunelli (U Pisa, IT); V. Deringer (U Oxfor ML-accelerated structure and reaction sampling: D. Wa Verstrealen (U Gent, BE); C. Chizallet (IFPEN, FR)	arelli (MIT, US); Alin M. Elena rd, UK) ales (U Cambridge, UK); T.
Supervisor:	doc. RNDr. Lukáš Grajciar, PhD.	
E-mail:	lukas.grajciar@natur.cuni.cz	
Position available from:	January 1, 2026	
Application deadline:	August 1, 2025	
Applicantsmustsubmitrequireddocumentsto:	lukas.grajciar@natur.cuni.cz	
Accelerated Dy Nanocatalysts via Machine	namics and Reactivity of Multimetallic Supported Learning	
Project Annotation:	The project will combine the development and	
	 methods to probe the nature of oxide-supported catalytic (sub)-nanoscale metal clusters and single atom catalysis under operando conditions, going beyond traditional limitations of timescale and complexity. This work will involve big data-driven atomistic investigations of dynamical and reactive processes, via unbiased structure sampling techniques, accelerated reactive free energy methods, and experimental characterization, to bridge the materials gap, in combination with experimental support. a. Development and refinement of state of the art, multi-elemental equivariant neural network-based interatomic potentials (NNIP), This task will include the implementation of active, delta, finetuning and transfer learning techniques that have been developed within the group in recent years. 	

	 b. Implementation of an ML-driven kinetic modelling pipeline, including self-learning kinetic Monte Carlo, in order to bridge the time gap and connect stable configurations to long time kinetic stability/aging of selected nanocatalysts under operando conditions. c. Application of trained NNIP (in support of PhD and masters students) towards: unbiased global structure elucidation and energy landscape characterization under realistic and reactive environments, for mono and binary metal/metal oxo particles dynamical modelling of particle migration, growth and deactivation pathways under reactive stress on complex supports (oxidation/reduction environments) catalytic reaction pathway investigation and tuning for archetypal thermocatalytic oxidation/reduction chemistry via NNIP free energy simulation techniques 	
	Relevant Group Publications:NatureCommunications(2024):doi:10.1038/s41467-024-48609-2.AngewandteChemie(2023):article number e202213361Nanoscale(2024):doi:10.1039/D4NR00017JACSCatalysis(2020):doi:10.1021/acscatal.0c01344CollaborativeNetwork for the project:11.Nanocatalysis group(Prof. Stefan Vajda – HeyrovksyInstitute)2.Collaboration network within COST Action – COSYhttps://cost-cosy.eu/3.Collaboration network Nanoalloys3.Collaboration network Nanoalloys(CNRS):4.Prof.David Wales5.Prof.Gareth Parkinson7.Wien)10.1021/acscatal.0c01344	
Supervisor:	Dr. Christopher Heard	
E-mail:	heardc@natur.cuni.cz	
Position available from:	January 1, 2026	
Application deadline:	August 1, 2025	
Applicantsmustsubmitrequireddocumentsto:	heardc@natur.cuni.cz	
Ab initio study of lig	ght-induced ultrafast spin dynamics coupled with chiral	
Project Annotation:	In ferromagnets, magnetization is fundamentally associated with the spin angular momentum of electrons. In a groundbreaking study in 1996, Beaurepaire et al. (Phys. Rev. Lett. 76, 4250) demonstrated that a femtosecond laser pulse can induce ultrafast demagnetization in ferromagnets on sub-picosecond	

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oject Annotation:	In ferromagnets, magnetization is fundamentally associated with the spin angular momentum of electrons. In a groundbreaking study in 1996, Beaurepaire et al. (Phys. Rev. Lett. 76, 4250) demonstrated that a femtosecond laser pulse can induce ultrafast demagnetization in ferromagnets on sub-picosecond timescales. This discovery opened up new possibilities for high-speed data storage and ultrafast spintronics. On the other hand, the concept of phonon angular momentum leading to the emergence of chiral phonon, connected microscopic angular momentum and mechanical rotation, as observed in the Einstein-de Haas effect. According to the principle of angular momentum conservation,
	The angular momentum lost by cleations during

	 demagnetization must be transferred to the lattice. This transfer—often referred to as the ultrafast Einstein-de Haas effect—has emerged as a key process in ultrafast magnetization dynamics, wherein laser excitation drives the transfer of spin and orbital angular momentum from electrons to the lattice, ultimately leading to lattice rotations and, potentially, the mechanical rotation of the entire sample on timescales of tens of picoseconds. Recently, Tauchert et al. (Nature 602, 73–77, 2022) employed ultrafast electron diffraction to directly observe the transfer of spin angular momentum to the lattice within a few hundred femtoseconds in nickel, establishing a direct link between spin dynamics and the mergence of chiral phonons. Despite these advances, the microscopic mechanisms governing the coupling between electron dynamics and chiral phonons on ultrashort timescales remain largely unexplored. Understanding this coupling is crucial for unraveling the fundamental physics of ultrafast spin-lattice interactions. This project aim to achieve a clear understanding of the microscopic processes governing chiral phonon generation and their subsequent dynamics during laser pulse induced ultrafast demagnetization dynamics. This project also will identify and characterize unique magneto-optical signatures of chiral phonon, distinguishing these signatures from other microscopic processes involved in spin dynamics. This project will employ real-time time-dependent density functional theory (rt-TDDFT), coupled with mixed quantum-classical dynamics (such as Ehrenfest dynamics, ab initio molecular dynamics and surface hopping) to explore the interplay between chiral phonons and spin dynamics on femtosecond to picosecond timescales. Publications of research group related to this topic: 1. Z. Zhou, M. Li, T. Freuenheim, J. He, Controlling Ultrafast Magnetization Dynamics in Two-Dimensional Antiferromagnets. Nano Lett., 2023, 23, 8348 8354. 3. J. He, S. Li, A. Bandyopadhyay, T. Frau	
Profile of an ideal candidate:	A PND degree in Computational Physics/Chemistry, Computational Materials Science or a related discipline is required, with experience in atomistic modelling of materials or first principles. Experience with programming is highly desired.	

Salary:	co-founding 1000 EUR/month is ensured	
Workplace:	Department of Physical and Macromolecular Chemistry, Faculty of Science, Charles University, Hlavova 8, 120 00 Prague 2, Czechia www.physchem.cz	
Supervisor:	Junjie He, Ph.D.	
E-mail:	junjie.he@natur.cuni.cz	
Position available from:	January 1, 2026	
Application deadline:	August 1, 2025	
Applicantsmustsubmitrequireddocumentsto:	junjie.he@natur.cuni.cz	
Gibbs-Donnan equ	ilibria in macromolecular two-phase systems	
Project Annotation:	The Gibbs-Donnan equilibrium describes the distribution of solutes in two-phase systems, where not only Donnan partitioning of charged species but also chemical reaction equilibrium is involved. The two phases can phase-separate spontaneously, e.g. upon formation of polyelectrolyte complexes or biomolecular condensates. Alternatively, the phases can be separated by a semi- permeable membrane, e.g. during dialysis, ultra- or diafiltration of protein solutions. Finally, polymer gels or brushes represent a two-phase system, where the polymeric component is confined to one phase because of covalent bonds between the macromolecules in a gel, or because of attachment to a surface in the case of a brush. Although these systems are quite diverse, they share some common features, which can be described using the Gibbs-Donnan equilibrium. As a consequence of this equilibrium and electrostatic interactions, pH in the two phases differs. This pH difference is difficult to predict from theory. However, it can significantly affect the properties of both phases. For example, it can cause precipitation of the proteins or collapse of the polyelectrolyte gels under conditions where no such thing would be expected based on simple models. To understand the experimental observations, an improvement of the theoretical models is urgently needed.	
	The core of the project consists of using a simulation model to predict these pH differences beyond the current standards used by the industry . It builds on the previous work of the group by employing the grand-reaction method for simulating acid-base equilibria in two-phase systems. [1] The tasks of the candidate include performing simulations of protein solutions under various conditions and establishing under which conditions the theoretical models are reliable. It may also involve extending the previously introduced proof-of-concept model [2] to enable realistic representation of real proteins. The project anticipates a close collaboration with experimental researchers at the department and optionally may also involve direct participation in the experiments.	
	References:	

	 Landsgesell, J.; Hebbeker, P.; Rud, O.; Lunkad, R.; Košovan, P.; Holm, C. Grand-Reaction Method for Simulations of Ionization Equilibria Coupled to Ion Partitioning. Macromolecules 2020, 53, 3007–3020. Pineda, S. P.; Blanco, P. M.; Staňo, R.; Košovan, P. Patchy Charge Distribution Affects the pH in Protein Solutions during Dialysis. Langmuir 2025, acs.langmuir.4c04942. <u>https://doi.org/10.1021/ acs.langmuir.4c04942</u>. 	
What do we offer?	 Two-year fixed-term position which can be further extended if additional funds become available Work in a diverse research group which includes both experimental and simulational teams collaborating closely 	
Profile of an ideal candidate:	Required - PhD. in Chemistry, Physics, Material Science or a related field; very good knowledge of English; experience in programming (ideally Python or similar); creativity and critical thinking. Desirable, but not strictly required - background in Soft Matter, Modeling of charged polymers, colloidsor peptides/ proteins, Statistical Mechanics, Physical Chemistry; proven experience with molecular simulations (preferably constant-pH or lambda dynamics simulations in LAMMPS, Espressomd or Gromacs) or theoretical modeling of charged soft matter, high-performance computing and Linux.	
Salary:	2000 EUR/month Co-funding: MŠMT project LUAU	
Workplace:	Department of Physical and Macromolecular Chemistry, Faculty of Science, Charles University, Hlavova 8, 120 00 Prague 2, Czechia www.physchem.cz	
Supervisor:	Assoc. prof. Peter Košovan	
E-mail:	peter.kosovan@natur.cuni.cz	
Phone:	+420 221 951 029	
Position available from:	January 1, 2026	
Application deadline:	August 1, 2025	
Applicants must submit required documents to:	peter.kosovan@natur.cuni.cz	
Modeling the mole	cular mechanism of electroadhesion	
Project Annotation:	Electroadhesion is a phenomenon where the action of an external electric field causes adhesion between two soft materials that otherwise do not adhere to each other. Electroadhesion typically occurs when an external field is applied for a few seconds at the interface of two polymer gels, one of which is positively charged and the other negatively charged. The adhesion remains after the field is turned off, but vanishes when a field of the opposite polarity is applied. In 2021, the US partner of our project showed that cationic gels exhibit strong electroadhesion to various tissues, which can be used, for example, to quickly close bleeding wounds of arteries or other tissues. [1] This closing can be activated or deactivated	

	within seconds. The same group later demonstrated that adhesion to various inorganic surfaces can be achieved in a similar way. [2,3] Although electroadhesion may seem intuitive, its molecular mechanism is not at all obvious. Nevertheless, understanding this mechanism is essential for the choice of suitable materials and their optimization for electroadhesion applications. The proposed project involves the cooperation of two research groups from the Czech Republic and the USA. On the Czech side, the expertise of Dr. P. Košovan's group entails modeling of polyelectrolyte gels and the development of simulation methods. On the US side, S. Raghavan's group was the first to experimentally demonstrate electroadhesion of gels to various tissues and surfaces. The task of the Czech partner is to develop a suitable simulation model to help explain the changes that occur at the molecular level during electroadhesion . The research will focus on the effect of the electric field on the spatial distribution of small ions and macromolecules at the interface. It will be followed by studying how electroadhesion is affected by the gel properties (charge density and crosslinking) and external conditions (pH, salt concentration, presence of multivalent ions, applied voltage).	
	References: [1] Borden, L. K.; Nader, M. G.; Burni, F. A.; Grasso, S. M.; Orueta?Ortega, I.; Srivastava, M.; Montero?Atienza, P.; Erdi, M.; Wright, S. L.; Sarkar, R.; Sandler, A. D.; Raghavan, S. R. Switchable Adhesion of Hydrogels to Plant and Animal Tissues. Advanced Science 2025, 12 (5), 2411942. <u>https://doi.org/10.1002/advs.202411942</u> . [2] Xu, W.; Burni, F. A.; Raghavan, S. R. Reversibly Sticking Metals and Graphite to Hydrogels and Tissues. ACS Cent. Sci. 2024, 10 (3), 695–707. <u>https://doi.org/10.1021/</u> <u>acscentsci.3c01593</u> . [3] Borden, L. K.; Gargava, A.; Raghavan, S. R. Reversible Electroadhesion of Hydrogels to Animal Tissues for Suture- Less Repair of Cuts or Tears. Nat Commun 2021, 12 (1), 4419. <u>https://doi.org/10.1038/s41467-021-24022-x</u> .	
What do we offer?	 Two-year fixed-term position which can be further extended if additional funds become available Work in a diverse research group which includes both experimental and simulational teams collaborating closely 	
Profile of an ideal candidate:	Required – PhD. in Chemistry, Physics, Material Science or a related field; very good knowledge of English; experience in programming (ideally Python or similar); creativity and critical thinking. Desirable, but not strictly required – background in Soft Matter, Modeling of charged polymers, colloids or peptides/ proteins, Statistical Mechanics, Physical Chemistry; proven experience with molecular simulations (preferably constant-pH or lambda dynamics simulations in LAMMPS, Espressomd or Gromacs) or theoretical modeling of charged soft matter, high-performance computing and Linux.	
Salary:	2000 EUR/month Co-funding: MŠMT project LUAU	

Department:	Department of Physical and Macromolecular Chemistry, Faculty of Science, Charles University, Hlavova 8, 120 00 Prague 2, Czechia www.physchem.cz	
Supervisor:	Assoc. prof. Peter Košovan	
E-mail:	peter.kosovan@natur.cuni.cz	
Phone:	+420 221 951 029	
Position available from:	January 1, 2026	
Application deadline:	August 1, 2025	
Applicantsmustsubmitrequireddocumentsto:	peter.kosovan@natur.cuni.cz	
Extreme adaptation	ns of visual sensory system in fishes	
Project Annotation: Profile of an ideal candidate:	Fishes have evolved remarkable visual adaptations to thrive in diverse and often extreme environments, including the deep sea. These modifications may include eyes, retinas, or photoreceptor cells (cones and rods), as well as the photosensitive pigments rhodopsins. Our research explores the molecular evolution of vision across several fish model systems, with a primary focus on deep-sea species . We take a comparative approach, investigating lineages with striking visual specializations —such as multibank rod-only retinas, multiple rhodopsin duplications, or, on the contrary, complete loss of rod cells. Our core methodologies center on genomics and transcriptomics, with the ultimate goal of linking molecular patterns to functional adaptations. We are looking for a passionate and skilled postdoctoral researcher to join our team, particularly someone with hands-on expertise in histological techniques such as immunohistochemistry and FISH. The successful candidate will have the opportunity to work independently while also contributing to collaborative, interdisciplinary projects. Prior experience in the field of evolutionary biology or with experiments on the vertebrate retina is a plus, but it is not a requirement. This position offers an exciting opportunity to work at the intersection of molecular evolution, sensory biology, and comparative functional genomics.	
Workplace:	More on our research group: https://www.fishevo.com/open-postdoctoral-position- function-of-fish-vision/	
Funding:	ERC Consolidator SensingDEEP	
Supervisor:	Zuzana Musilová	
E-mail:	zuzana.musilova@natur.cuni.cz	
Position available from:	January 1, 2026	
Application deadline:	August 1, 2025	
Applicantsmustsubmitrequireddocumentsto:	zuzana.musilova@natur.cuni.cz	

New forms of socio	-spatial mobility in metropolitan areas	
Project Annotation:	For a long time, the spatial organisation of society has been viewed through the lens of a sedentarist paradigm, based on the assumption of stable, locally anchored, and predictable behaviour of actors and institutions over time and space. This view is in conflict with the current evolution of social and economic relations, which are largely determined by increasing temporal and spatial flexibility, the unanchored nature of a number of important routine activities, and the transfer of some of them to digital space. These trends have been significantly reinforced by the Covid-19 pandemic and the associated flexibilization of work and consumption. The project would be divided into two interconnected parts: The changing urbanisation and urban processes are increasingly linked to international migration and significantly affect daily mobility within metropolitan areas. A number of traditional urban functions are partially or completely disappearing from the physical space, and thus the localisation factors of these functions are also changing. Following the theoretical concepts of structuration theory, mobility transition, pacemakers, and heterolocalisation, the first objective is to describe and explain how the processes of intensive international migration, especially to large cities, are interrelated with gentrification and the subsequent decentralisation of the residential function of the urban population (suburbanisation, counter-urbanisation). Changes in migration flows subsequently also affect the relationship between the location of residence, workplace, services, and leisure activities, and daily activity systems within metropolitan regions shaped by new forms of spatial mobility.	
	Ine second objective is to analyse and explain the interconnections between social, residential, and everyday spatial mobility in metropolitan regions. The focus should be on how everyday and residential mobility function as both causes and consequences of social inequalities, particularly within the Prague metropolitan area. Attention should be given to how social, gender, and spatial disparities influence mobility patterns across different types of environments, including inner cities, housing estates, and suburban areas.	
Profile of an ideal candidate:	We are seeking a post-doctoral researcher to explore an innovative topic that can contribute to the above- mentioned frameworks. The postdoctoral research allows flexibility in research design, encouraging candidates to focus on specific aspects of urban mobility through either quantitative (e.g., analysis of migration data, census data, mobile phone data) or qualitative approaches (e.g., interviews, ethnography, case studies). Proposals incorporating comparative research with other relevant contexts are welcome. We are seeking a candidate with an excellent research background to join the Urban and Regional Laboratory at the Department of Social Geography and Regional Development. The postdoctoral researcher will participate in a research project conducted within a consortium comprising Charles University, Masaryk University, and	

	the Czech Academy of Sciences, titled "A Mobile Society: Opportunities and Risks of New Forms of Mobility for Czech Society and Economy." Active collaboration with scholars from partner institutions — including the Institute of Sociology at the Czech Academy of Sciences and the Faculty of Science at Masaryk University — is therefore also expected. To learn more about the research team, please visit our <u>website</u> . Expected outcomes of the post-doctoral fellowship include one high-quality journal paper per year . In addition to conducting research on the candidate's proposed project, the successful applicant will be invited to contribute to teaching activities at the department (in English).	
	 Profile of an ideal candidate: Ph.D. degree in Social Geography, Sociology, Urban Planning, or related sciences, max. 5 years from graduation. Excellent English communication skills both in written and oral form. Strong theoretical and methodological background in urban studies, mobility studies, or related fields. Strong research skills, creativity, motivation and ability to participate in collaborative research. Teaching experience is welcome (but not necessary). 	
	who are open to extending their research stay in Prague beyond the initial fellowship period. The successful applicant will have opportunity to prepare and submit a grant proposal for a follow-up project during the second year of the fellowship.	
Funding:	The project (CZ.02.01.01/00/23_025/0008717) is funded by the Johannes Amos Comenius Programme (P JAC), Call: Social Sciences and Humanities: Man and Humanity in the Global Challenges of Today, Ministry of Education.	
Workplace:	Urban and Regional Laboratory, Department of Social Geography and Regional Development, Faculty of Science, Albertov 6, Prague 2	
Supervisor:	prof. RNDr. Martin Ouředníček, Ph.D.	
E-mail:	martin.ourednicek@natur.cuni.cz	
Position available from:	January 1, 2026	
Application deadline:	August 1, 2025	
Applicants must submit required documents to:	We encourage potential applicants to get in touch with us in of the postdoctoral project and opportunities for collaborati interest: <u>Martin Ouředníček</u> , <u>Petra Špačková</u> , <u>Lucie Pospíšilová</u>	advance to discuss the focus on depending on the area of

Faculty of Humanities

Early Modern Euro	pean Cultural History – the Material Culture of Wartime
Project Annotation:	The project will build on the dynamic historical- anthropological understanding of culture and explore
	the reconfigurations of early modern cultural history. The primary focus of this research is the material culture of wartime violence, with a particular emphasis

	on symbolic violence and the Post-Reformation changes in the approach to visual culture. The post-doctoral scholar will explore the interplay between gender, violence, and agency in early modern Central Europe, analysing the narrative strategies of ascribing agency, femininity, masculinity, as well as their correlation with the military imagination and with social hierarchies. The project will include a digital humanities component involving the creation of a database of violent incidents that targeted artefacts and fuelled meaning-making processes.	
	The researcher will be entrusted with the task of writing a chapter for the proposed Oxford Handbook of Early Modern Cultural History (OUP), working closely with their supervisor. The early-career scholar will publish another study in a high-impact academic journal and will contribute to broadening the English-language curriculum at the Faculty of Humanities.	
What do we offer?	We offer a two-year contract with a competitive salary in a supportive, interdisciplinary, and inclusive academic environment. The position carries with it the exceptional opportunity for the successful candidate to prepare and publish a chapter in the planned Oxford Handbook of Early Modern Cultural History (OUP), which is being co-prepared by the Faculty of Humanities senior scholar Veronika Čapská. The holder of the Junior Fund support will gain the time to work on an independent research project under the expert supervision of Veronika Čapská and will gain experience in teaching in our diverse English-language courses (one course jointly with the supervisor, and one independently). The Faculty of Humanities will also provide guidance and support to the postdoctoral fellow in the preparation of a follow-up project.	
Profile of an ideal candidate:	We are looking for a post-doctoral researcher with a robust interdisciplinary background in the early modern European cultural history and a proven track record of publishing with high-quality academic publishers. The possession of excellent English language skills is an indispensable prerequisite. A good command of German, French and Latin is regarded as a significant asset.	
Workplace:	Faculty of Humanities, Charles University; Department of Historical Studies	
Supervisor:	Doc. Veronika Čapská, Ph.D.	
E-mail:	veronika.capska@fhs.cuni.cz	
Phone:	+420 737 365 112	
Position available from:	January 1, 2026	
Application deadline:	July 31, 2025	
Applicants must submit required documents to:	veronika.capska@fhs.cuni.cz + veda@fhs.cuni.cz	
Transnational Que Central Europe under State	er Epistemologies and Biopolitical Imaginaries in East e Socialism and Beyond	
Project Annotation:	This project invites a postdoctoral researcher (male, female, other) to critically examine the entanglements of queerness, health governance, and state power in East Central Europe during the late socialist period and early	

	post-socialism. It seeks to foreground queer experiences not as marginal footnotes to political history, but as key sites of epistemic and affective negotiation, where norms of visibility, risk, intimacy, and identity were contested and reconfigured. Projects that explore how queer subjects were imagined, regulated, pathologized, or mobilized within broader regimes of public health, surveillance, and moral discourse are particularly welcome. Possible topics could include, but are not limited to, <i>the visual and discursive regulation of queer bodies in late socialist public culture; state-sponsored narratives of hygiene and morality; the politics of sexual representation under censorship; the entanglement of medical and moral vocabularies in health education; or the HIV/AIDS crisis as a transnational point of reference. Projects that explore how queerness was framed at the intersection of biopolitics, cultural production, and Cold War geopolitics are especially welcome.</i>	
	This research is expected to engage with transnational archival sources and contribute to the emerging field of queer post-socialist studies . While projects may adopt a broad regional or comparative perspective, preference will be given to proposals that include at least a portion of their primary source base located in Prague or the Czech Republic. Applicants are encouraged to draw on interdisciplinary methodologies, from oral history to discourse analysis, from critical archival studies to queer theory.	
	The project should contribute to decentering Western- centric historiographies of sexuality and health, while offering new insights into how queer lives were governed, resisted, and remembered across the region. The fellow will be affiliated with the Department of Historical Studies, closely collaborating with faculty members working in queer history, contemporary history, and oral history. Additional synergies are expected with research clusters on gender and sexuality across the Faculty of Humanities, including possible engagement with teaching in undergraduate and graduate programs.	
What do we offer?	The Faculty of Humanities offers a vibrant intellectual environment with strong expertise in queer and post-socialist histories, supported by both local and international research networks. The selected postdoctoral fellow will benefit from access to archival resources, opportunities for academic publication and conference participation, and the chance to contribute to faculty- led initiatives such as lecture series and workshops in queer cultural history. The position also includes mentoring in research development and support for future funding applications, including MSCA or ERC schemes .	
Profile of an ideal candidate:	 PhD in History, Gender Studies, Cultural Studies, or a related discipline Research experience in queer history, HIV/AIDS history, history of sexuality, or state-socialist governance Familiarity with East Central European contexts and archival materials Strong interdisciplinary orientation and commitment to conceptual innovation 	

	 Fluency in English; reading knowledge of at least one regional language (Czech, Slovak, Hungarian, Polish, or German) is highly desirable 	
Workplace:	Department of Historical Studies, Faculty of Humanities, Charles University	
Supervisor:	Dr. Jaromír Mrňka	
E-mail:	jaromir.mrnka@fhs.cuni.cz	
Phone:	+420 222 542 068	
Position available from:	January 1, 2026	
Application deadline:	July 31, 2025	
Applicantsmustsubmitrequireddocumentsto:	jaromir.mrnka@fhs.cuni.cz + veda@fhs.cuni.cz	

Faculty of Arts

Late Period activity	r the Abusir-Saqqara Necropolis
Project Annotation:	Czech Institue of Egyptology is seeking a post-doctoral researcher to join and complement the team working on the Late Period shaft tombs at Abusir West. The candidate should present a project based on non-invasive archaeological methods at the site and archival study, aimed at relocating some of the previously excavated but now lost Late Period structures at the site. The candidate should also teach a one-semester course on the geoarchaeology of the area.
What do we offer?	 a two-year stay at the Czech Institute of Egyptology, Prague integration into the work of the department, including teaching access to the department's archives ability to work at the sites in Egypt possibility to study relevant courses offered by the department
Profile of an ideal candidate:	 completed PhD degree in Egyptology, Egyptian archaeology or equivalent (max. 5 years since its award) excellent command of English research interest in Late period archaeology and geoarchaeology, supported by relevant publication record ability to carry out excellent independent research teaching experience is welcome due to tax specification, the candidate cannot be employed in any other country than the Czech Republic in course of the postdoctoral period.
Supervisor:	Prof. Mgr. Miroslav Bárta, Dr.
E-mail:	miroslav.barta@ff.cuni.cz
Phone:	+420 221 619 612
Position available from:	January 1, 2026
Application deadline:	July 15, 2025
Applicantsshouldsubmitrequireddocumentsto:	<u>renata.landgrafova@ff.cuni.cz</u> (director) and in a copy to <u>milada.mensikova@ff.cuni.cz</u> (faculty coordinator of the Junior Fund) and to <u>karel.kouba@ff.cuni.cz</u> (Vice Dean fo Project and Grant Management)

Corpus approach t	o sign language research	
Project Annotation:	The Institute of Czech and Deaf Studies is seeking a highly qualified international post-doc researcher in the field of sign language linguistics . The researcher is expected to focus on the theory of sign language and employ a corpus approach to analyse Czech Sign Language. The main research task will be the description of the variability of Czech Sign Language. The researcher should be ready to take part in the activities and ongoing projects of the Institute, especially in the organisation of workshops and conferences in 2026. The successful candidate is expected to carry out independent research and teach two courses per	
	semester in English or International Sign System. In terms of research, the researcher is expected to publish at least one high-quality article in a database journal during the project. Moreover, by the end of the project, the successful candidate will be encouraged to apply for a research grant (to be further discussed with the host institution) to continue our collaboration.	
What do we offer?	 Teaching opportunities in relevant courses The post includes a two-year contract in Prague (i.e., 2026 and 2027) under competitive financial conditions Training in using corpus methods in analysis 	
Profile of an ideal candidate:	 Ph.D. degree in linguistics, corpus linguistics, or sign language pedagogy (less than 5 years since graduation) Research interest and publication track record, particularly in the field of linguistics and sign languages Strong background in linguistics and sign languages Teaching experience is welcome Excellent knowledge of English (FCE equivalent or better) Strong research skills, creativity, motivation, and ability to participate in large research networks Due to tax specifications, the candidate cannot be employed in any other country than the Czech Republic during the postdoctoral period 	
Workplace:	Institute of Czech and Deaf Studies (Faculty of Arts, Charles University): <u>https://ubn.ff.cuni.cz/</u>	
Supervisor:	Mgr. Adrian Jan Zasina, Ph.D. (Director of the Institute)	
E-mail:	adrian.zasina@ff.cuni.cz	
Phone:	+420 221 619 262	
Position available from:	January 1, 2026	
Application deadline:	June 29, 2025	
Applicants must submit required documents to:	adrian.zasina@ff.cuni.cz and in a copy to milada.me coordinator of the Junior Fund) and to <u>karel.kouba@ff.cu</u> and Grant Management)	nsikova@ff.cuni.cz (faculty ni.cz (Vice Dean for Project
	d the Pollon Deuter New Minustice Device	

Sociopolitical, Cultural, and Moral Entailments

Project Annotation:	The Institute of Ethnology and Central European and Balkan Studies (UESEBS) is seeking a qualified post- doctoral researcher oriented towards high-quality research in migration and forced migration studies , focusing on the entailments of recent wars for Central Europe and the Balkans.	
	The Hamas attack in Israel on October 7, 2023, and the Israeli response were a particular turning point in international politics, coinciding with a heated public debate on the nature of violence and passionate popular and governmental expressions covering a wide range of positions within the political spectrum. This conflict strongly reinforced new refugee regime tendencies, practices, and policies worldwide, particularly in the USA and Europe. Years prior, Central Europe had already been particularly affected by the "Balkan route" – used by many refugees, especially from the Middle East, to arrive in Europe – and by the symbolic and territorial proximity to the Ukrainian refugee crisis after 2022. These sociohistorical processes led to still unfolding yet indelible political change. Consequently, the literature on the topic, while not scarce, is still largely developing and consolidating around specific debates, such as the rise of neo-nationalist movements (particularly in Europe), anti-/pro-immigrant national policies, the place of welfare system practices in contemporary Europe, the moral underpinnings of European political projects, and more.	
	These debates around (forced) migration have been some of the most important in our time and are redefining contemporary Europe and the global space of humanitarianism. Yet relatively little attention has been paid to the experiences of refugees and migrants themselves — a task for which anthropology is tailor-made. Central Europe and the Balkans have been at the epicenter of these contemporary migrant and refugee flows and, as such, have been remarkably affected by them.	
What do we offer?	 The opportunity to acquire teaching experience in the applicant's own area of expertise A two-year contract at Charles University in Prague (2026 and 2027) under competitive financial conditions Active participation in a wide network of migration and forced migration studies, connected to the Institute in general and with the supervisor in particular, especially the IUAES Commission on Migration Mentoring for career advancement and employment placement Support for the development of publications and event participation/hosting relating to the candidate's project 	
Profile of an ideal candidate:	The selected candidate ideally has ethnographic experience in forced migration , working knowledge of a fieldwork language, and is willing to research the entailments of recent conflicts, such as the wars in Gaza and Ukraine, in Central Europe and the Balkans. The successful candidate is expected to participate in the daily academic activities of the institute and is highly encouraged to take part in other activities as well. They are expected to submit at least one peer-reviewed publication in a high- ranked, database-indexed journal per academic year and teach at least one course related to the research per semester.	

	The candidate must have a Ph.D. in anthropology, ethnology, or a relevant area , awarded no longer than five years ago, prior fieldwork experience relating to the topic of the project, and must not hold Czech citizenship.	
Supervisor:	Leonardo Schiocchet, Ph.D.	
E-mail:	leonardo.schiocchet@ff.cuni.cz	
Phone:	+420 221 619 623	
Position available from:	January 1, 2026	
Application deadline:	July 15, 2025	
Applicants must submit required documents to:	leonardo.schiocchet@ff.cuni.cz and in a copy to milada.m coordinator of the Junior Fund) and to <u>karel.kouba@ff.cu</u> and Grant Management)	iensikova@ff.cuni.cz (faculty ni.cz (Vice Dean for Project
Recognition in Lar	guage and Morality	
Project Annotation:	The Department of Philosophy and Religious Studies is seeking a postdoctoral researcher capable of carrying out research and teaching in the areas of philosophy of language, moral philosophy, and/or the philosophy of technology . The position focuses on the notion of recognition and its role in language and morality. On the linguistic level, recognition plays a central role in the performance of public speech acts such as promises (in which the speaker recognizes the other as having the authority to hold them accountable) and assertions (in which the speaker recognizes the other as entitled to request justifications and rely on the claim). On the moral level, (mis)recognition is often seen as an attitude with serious implications regarding the moral status of agents. The position will investigate the connections between the role of recognition in both our linguistic and moral practices, with a possible focus on how attitudes of recognition may partly shape the cognitive and moral status of artificial intelligence systems. The successful candidate will conduct independent research in Prague in collaboration with the department's contemporary theoretical and practical philosophy groups. Responsibilities include co-organizing workshops and conferences, teaching one seminar per semester on a research-related topic, and publishing in leading international philosophy journals. During the time of this project, the department will apply for a larger grant on a closely related theme. The successful candidate will also be expected to submit an individual grant application for a follow-up project during the second year of the fellowship.	
	 applicant's own area of expertise A two-year contract at Charles University in Prague (2026 and 2027) under competitive financial conditions Time to conduct independent research Perspective of a follow-up project Salary: Equivalent to 2000 EUR/month 	
Profile of an ideal candidate:	 Completed PhD degree (max. 5 years since its award) Excellent command of English Strong background in philosophy of language, philosophy of technology, and/or moral philosophy Ability to carry out excellent research 	

	 Teaching experience is welcome Due to tax specifications, the candidate cannot be employed in any other country than the Czech Republic during the postdoctoral period 	
Workplace:	The Department of Philosophy and Religious Studies (https://ufar.ff.cuni.cz/en/department-2/)	
Supervisor:	dr. Sybren Heyndels	
E-mail:	sybren.heyndels@ff.cuni.cz	
Phone:	+32494542298	
Position available from:	January 1, 2026	
Application deadline:	July 15, 2025	
The applicants should submit:	 All <u>required documents</u> by the Charles University's Junior Fund Research proposal (max. 1000 words) Brief motivation letter 	
Applicantsshouldsubmitrequireddocumentsto:	sybren.heyndels@ff.cuni.cz and in a copy to milada.me coordinator of the Junior Fund) and to karel.kouba@ff.cu and Grant Management)	ensikova@ff.cuni.cz (faculty ni.cz (Vice Dean for Project
Late Bronze Age V	Vestern Anatolia	
Project Annotation:	The Institute of Classical Archaeology, with specialisations ranging from the Bronze Age Aegean to Roman Thrace and field projects across Europe and Asia, is seeking a highly qualified post-doctoral researcher with international experience to join our team for two years with his/her own project focused on Late Bronze Age Western Anatolia. We invite applications for a postdoctoral position focusing on the archaeology of Western Anatolia during the Late Bronze Age. The successful candidate will pursue an independent research project that contributes to our understanding of the region's material culture, with a particular – though not exclusive – emphasis on pottery. The project should ideally engage with current debates in Aegean-Anatolian archaeology and demonstrate methodological rigour, whether through typological analysis, contextual interpretation, or scientific approaches. We particularly welcome proposals that consider the interplay between complex physical geography, environmental factors, and patterns of human activity. The ability to integrate archaeological data with broader spatial and ecological dynamics will be encouraged to collaborate with ongoing projects and contribute to the academic life of the department. In addition to conducting research on the candidate's proposed project, the successful applicant will be expected to offer two semester-long courses at the M.A. level based on his/ her research (1 semester = 12 weeks × 90 minutes of instruction per week), ideally one being a lecture course and one being a seminar (i.e. a course involving active interaction with students); both courses are to be delivered in English, any time during the two years. The researcher is expected to publish the results of the conducted research in at least two paper's submitted to SCOPUS-ranked peer-	

What do we offer?	 reviewed journals. The results of the research project will be presented in a workshop or a smaller conference to be organised by the successful candidate during the second year of the postdoc. The successful applicant is expected to move to Prague and actively participate in the everyday activities of the Institute, which provides a collegial and highly collaborative environment. We strongly believe in synergies between our projects. Should the collaboration be mutually satisfying, we will encourage the postdoctoral fellow to apply for additional project funding, thus securing continued involvement with our Institute. The opportunity to acquire teaching experience in the applicant's own area of expertise A two-year contract at Charles University in Prague 	
	(2026 and 2027)Participation in the ongoing projects of the InstituteStimulating working environment	
Profile of an ideal candidate:	 Completed PhD degree in excellent standing (within the last 5 years since graduation) Excellent knowledge of English (FCE equivalent or better) Strong research skills, creativity and motivation Demonstrated experience in conducting collaborative research Previous participation in international projects Previous experience in teaching at an undergraduate and/or graduate level is welcomed Due to tax specifications, the candidate cannot be employed in any other country than the Czech Republic during the postdoctoral period 	
Workplace:	Institute of Classical Archaeology, Charles University (Celetná 20, Prague 1)	
Supervisor:	Prof. Peter Pavúk, Ph.D.	
E-mail:	peter.pavuk@ff.cuni.cz	
Phone:	+420 608 124 836	
Position available from:	January 1, 2026	
Application deadline:	July 15, 2025	
The applicants should submit:	 All <u>required documents</u> by the Charles University's Junior Fund A one-page cover letter introducing yourselves A two-page description of the proposed project Sample syllabi of two proposed courses/seminars A short description of the final workshop (200-300 words) 	
Applicants must	peter.pavuk@ff.cuni.cz and in a copy to milada.me	nsikova@ff.cuni.cz (faculty
documents to:	and Grant Management)	
Medieval Studies		
Project Annotation:	The Centre for the Study of the Middle Ages is seeking a highly qualified international post-doc researcher to join the interdisciplinary team of medievalists at the Centre for two years. Any competitive topic in the field of Medieval Studies is welcome. In addition to pursuing his or her own	

	research agenda, the researcher will take an active part in the Centre's endeavours. Based on his or her field, the researcher will be integrated into the relevant department of the Faculty of Arts and will be expected to take part in the activities of the department as well.	
What do we offer?	 Teaching opportunities in relevant courses A two-year contract at Charles University in Prague (2026 and 2027) Participation in the ongoing projects of the <u>Centre</u> for the Study of the Middle Ages Training in Digital Humanities connected to the project work 	
Profile of an ideal candidate:	 Ph.D. degree in a field relevant to Medieval Studies, such as medieval history, philosophy, literature and languages, Latin studies, art history, archaeology, musicology, etc. (less than 5 years since graduation) Research interest and publication track record Experience in Digital Humanities is welcome Teaching experience is welcome Excellent knowledge of English (FCE equivalent or better) Strong research skills, creativity, motivation, and ability to participate in large research networks Due to tax specifications, the candidate cannot be employed in any other country than the Czech Republic during the postdoctoral period 	
Workplace:	Faculty of Arts, Charles University	
Supervisor:	Prof. Mgr. Lucie Doležalová, Ph.D. / Prof. PhDr. Jan Čermák, CSc. / Doc. PhDr. Tomáš Klír, Ph.D.	
E-mail:	tomas.klir@ff.cuni.cz	
Phone:	+420 221 619 737	
Position available from:	January 1, 2026	
Application deadline:	July 15, 2025	
Applicantsmustsubmitrequireddocumentsto:	tomas.klir@ff.cuni.cz and in a copy to milada.mensikova@ of the Junior Fund) and to <u>karel.kouba@ff.cuni.cz</u> (Vice Management)	ff.cuni.cz (faculty coordinator Dean for Project and Grant
Contemporary Res	eearch in Romance Linguistics	
Project Annotation:	The Department of Romance Studies is seeking a highly qualified international post-doctoral researcher who will join the department for a period of two years. The candidate's research should focus on any Romance language (or languages) and may address any aspect of their structure or use – such as morphology, syntax, or semantics – with a strong theoretical foundation and a demonstrably innovative approach. Projects that combine formal linguistic theories with empirical, corpus-based, or quantitative methodologies are especially welcome. The successful applicant is expected to pursue an independent research agenda that contributes to current debates in Romance linguistics, while also engaging with the department's ongoing activities and academic community. In line with their specialization, the researcher will be integrated into the Department of Romance Studies and is expected to actively participate in departmental research initiatives, workshops, and collaborative projects.	

What do we offer? Profile of an ideal candidate:	 Integration into the academic environment of the Department of Romance Studies at the Faculty of Arts, Charles University A two-year contract at Charles University in Prague (2026 and 2027) Participation in ongoing research activities in Romance linguistics and related areas Opportunities to develop and teach courses in the candidate's area of expertise Support for interdisciplinary collaboration, including training and resources in corpus linguistics, statistical modelling, and Digital Humanities as applied to Romance languages Access to research infrastructure and funding opportunities for conference travel and publications Salary: Equivalent 2 400 EUR/month The candidate must have a Ph.D. in Romance Linguistics or a closely related field, awarded no longer than five years ago, and must not hold Czech citizenship. For more details, see: JUNIOR Fund (Post-Doc) – Charles University Proven research experience and publication record in the linguistics of one or more Romance languages Interest in combining theoretical and empirical approaches (e.g., corpus-based research, quantitative methods, or language documentation) Experience with Digital Humanities tools (e.g., corpus annotation, statistical analysis, or data visualisation) is an asset Teaching experience at the university level is welcome (but not necessary) Excellent command of English and excellent knowledge of at least one Romance language 	
Workplace:	Department of Romance Studies, Faculty of Arts of the	
-	Charles University, nám. Jana Palacha 1/2, 116 38 Prague 1	
Supervisor:	prof. Mgr. Pavel Štichauer, Ph.D.	
E-mail:	pavel.stichauer@ff.cuni.cz	
Phone:	+420 221 619 289	
Position available from:	January 1, 2026	
Application deadline:	July 15, 2025	
Applicantsmustsubmitrequireddocumentsto:	pavel.stichauer@ff.cuni.cz and in a copy to milada.mensil coordinator of the Junior Fund) and to <u>karel.kouba@ff.cuni.c</u> and Grant Management)	<u>ova@ff.cuni.cz</u> (faculty (Vice Dean for Project

Faculty of Education

Children's understanding of how society works and the development of this understanding at primary school		
Project Annotation:	The research project aims to provide rich and structured insights into children's (aged 5–10) understanding of the functioning of contemporary society. Identifying these beliefs is crucial to the design and implementation of interventions in primary school social studies curricula. It is desirable that pupils learn about the functioning of	

	the state, the community, and the international community in a way that is appropriate to their developmental prerequisites. They can acquire the basic knowledge that will enable them to understand contemporary society and build on this knowledge in further social studies education. Little is known about contemporary children's preconceptions about society and how the curriculum must, therefore, be conveyed to them for effective learning to occur. Interviews with young children are an essential research method for understanding how they perceive selected aspects of society, but such interviews are rarely conducted. Therefore, we expect the project to contribute to the development of research methodology in this area (i.e., how to conduct interviews with young children and how to ensure high standards of research ethics).	
	We anticipate that the postdoctoral fellow will design research to investigate children's epistemic beliefs about fundamental aspects of society and conduct the study in the Czech Republic (in cooperation with the supervisor and other department members) and in another selected country.	
What do we offer?	 A two-year contract at Charles University in Prague (2026 and 2027) Collaboration with the primary school experts and researchers Teaching and co-teaching experience Perspective of a follow-up project 	
Profile of an ideal candidate:	The applicants should be familiar with research focusing on children's understanding of the world (e.g., J. Brophy, J. Aleman, K. C. Barton, L. S. Levstik, A. L. Halvorsen, J. Hauver, C. N. Cassaithe). The ideal candidates should also have experience interviewing children aged 5–11. They should have experience in publishing and be willing to transform research findings into recommendations for curriculum policy.	
Workplace:	Department of Pre-primary and Primary Education, Faculty of Education, Charles University, M. Rettigové 4, Praha 1	
Supervisor:	Doc. PhDr. Jana Stará, PhD.	
E-mail:	jana.stara@pedf.cuni.cz	
Phone:	+420 604 879 048	
Position available from:	January 1, 2026	
Application deadline:	August 11, 2025	
The applicants should submit:	 All <u>required documents</u> by the Charles University's Junior Fund Research proposal (max. 5 standard pages) Sample syllabi for two proposed courses/seminars Professional Curriculum Vitae, including the commented list of up to 5 most important publications. Please specify your research contribution and input to each publication (all together max. 2 pages A4). Letter of Reference Copy of the PhD Diploma or Provisional certificate of completion of PhD studies or another official confirmation that the applicant has been awarded PhD Degree 	

Applicants should	l eliska.smerdova@pedf.cuni.cz
submit <u>required</u>	<u>1</u>
documents to:	
Advancing Experi Sustainability Education	mental Chemistry in the Context of Green Chemistry and
Project Annotation:	 This postdoctoral research position is part of a broader initiative aimed at enhancing the role of green chemistry and sustainability within school-level chemistry education. The core objective of the project is to explore how experimental activities in Czech schools reflect the principles of green chemistry and how this aligns with both international trends and national curricular reform. The postdoctoral researcher will take an active role in the analysis and publication of data from a recent national survey focused on the presence and quality of green chemistry elements in experimental tasks used in Czech primary and secondary schools. The survey explores both the frequency and nature of sustainability-related content, as well as teachers' attitudes, perceived challenges, and examples of best practices. Beyond the national context, the researcher will also work on comparing and synthesizing findings from: Similar datasets or survey findings from the applicant's home country (if applicable) Additional participating countries that have posed similar or harmonized survey questions This comparative perspective will allow for the identification of shared patterns, unique challenges, and context-sensitive opportunities for improvement. The project will also include: Formulating actionable recommendations for improving the integration of green chemistry in school experiments, from both pedagogical and curricular perspectives Engaging in collaborative research linked to the ongoing reform of the Czech science education curriculum, particularly regarding how chemistry instruction can meaningfully contribute to environmental literacy and sustainabil edvelopment goals Optionally contributing to the design and evaluation of teaching interventions or pre-service teacher training modules aimed at supporting sustainability education in chemistry
	also supporting systemic improvement in how chemistry is taught in relation to global sustainability goals.
What do we offer?	 Stimulating and supportive research environment within a dynamic and internationally engaged team Flexible working hours, with the possibility of hybrid work arrangements, tailored to support a healthy work- life balance

	 Involvement in an active research group with access to ongoing projects, regular internal seminars, and collaborative opportunities The opportunity to contribute to existing research lines, initiate an independent research agenda, and co-develop new grant proposals Optional involvement in teaching, mentoring, or science communication activities, depending on the candidate's interests and career goals Above-average salary compared to standard remuneration for similar postdoctoral positions in the region, reflecting the importance of the role and the candidate's expertise The chance to expand your academic network through institutional partnerships, joint projects, and events organized by the hosting department A collegial atmosphere that encourages interdisciplinary dialogue, openness to innovation, and support for early-career researchers 	
Profile of an ideal	We are seeking a highly motivated postdoctoral	
Profile of an ideal candidate:	 We are seeking a highly motivated postdoctoral researcher with a strong background in science education or chemistry education research. The ideal candidate will bring both independent research experience and a collaborative spirit to actively contribute to the work of our department. Essential qualifications and expectations: A Ph.D. in science education, chemistry education, or a closely related field A strong publication record in peer-reviewed international journals demonstrating engagement with key issues in the field Proven affiliation with an active research group or academic department in science or chemistry education Excellent command of English, particularly in academic writing and professional communication Excellent command of English, particularly in academic writing and professional communication Experience with designing and conducting empirical research, including data collection (e.g., surveys, interviews, experiments) and both qualitative and/or quantitative analysis Willingness to contribute to existing projects—supporting data analysis, co-authoring publications, and helping bring ongoing research to completion Eagerness to initiate or co-initiate new research activities, including the development of grant applications Readiness to work as a part-time team member on funded research projects, with flexible yet consistent engagement Ability to work independently and proactively, while also contributing constructively to the research team Desirable assets: Familiarity with research involving pre-service or in-service teachers, curriculum development, or educational interventions in STEM Experience in international collaboration, particularly within the European Research Areaa A track record of transforming research into publishable outcomes and contributing to academic discourse through conference presentations or workshops 	

Workplace:	Department of Chemistry and Chemistry Education, Faculty of Education, Charles University, M. Rettigové 4, Praha 1	
Supervisor:	Assoc. prof. Martin Rusek, Ph.D.	
E-mail:	martin.rusek@pedf.cuni.cz	
Phone:	+420 770 183 010	
Position available from:	January 1, 2026 (possible postponement upon the candidates' request)	
Application deadline:	August 11, 2025	
The applicants should submit:	 All required documents by the Charles University's Junior Fund Research proposal (max. 5 standard pages) Sample syllabi for two proposed courses/seminars Professional Curriculum Vitae, including the commented list of up to 5 most important publications. Please specify your research contribution and input to each publication (all together max. 2 pages A4). Letter of Reference Copy of the PhD Diploma or Provisional certificate of completion of PhD studies or another official confirmation that the applicant has been awarded PhD Degree 	
Applicantsshouldsubmitrequireddocumentsto:	eliska.smerdova@pedf.cuni.cz	
Educational and S	chool Psychology	
Project Annotation:	The Department of Psychology is strongly focused on mechanisms of school learning and underlying processes relevant to educational and school psychology. Our research addresses diverse groups of school actors (students, teachers, parents, school psychologists, etc.) and various key topics (cognition, communication, identity, development, etc.). In the context of dynamic societal and educational changes —such as increasing diversity, digitalization, shifting norms of identity, and rising mental health concerns—students are developing their identities in increasingly complex environments. These challenges intersect with structural inequalities and the demand for inclusive practices in schools. Our department is particularly interested in how students' identities (e.g. in terms of gender, culture, neurodiversity) are formed and transformed in response to these changing conditions, and how these processes affect their sense of belonging, well- being, and school engagement. At the same time, these developments place new and	
	At the same time, these developments place new and complex demands on teachers and other educational professionals. They are expected to respond to the diverse needs of learners, develop inclusive competencies, and navigate psychological and ethical dilemmas arising from conflicting expectations, personal beliefs, and institutional pressures. We are keen to support research that investigates teacher identity, self-reflection, and professional development in relation to inclusive education and psychosocial support.	

	 We welcome postdoctoral research proposals that align with and expand ourcurrent work, particularly those that: explore student identity development in diverse and transforming educational contexts investigate teacher competencies for inclusive education and associated psychological dilemmas propose evidence-based recommendations for supporting students' and teachers' psychosocial needs in school environments. Research Focus: Proposals may focus on individual groups (e.g., students from marginalized backgrounds, beginning teachers, parents from minority communities) or analyze the interplay among them. Current topics of interest include (but are not limited to): 	
	 Learning and metacognitive psychological factors in school success and failure Social climate in classrooms Digital media and adolescent risk regulation Teacher development and reflective practice Student well-being, identity, and belonging Gender and sexual diversity Neurodiversity and inclusive education 	
What do we offer?	 The post includes a two-year contract in Prague (2026 and 2027) Strong mentorship and a supportive research environment Flexible working hours, with the possibility of hybrid work arrangements tailored to support a healthy work-life balance Perspective of a follow-up project Above-average salary compared to standard remuneration for similar postdoctoral positions in the region Full medical insurance and social security as a standard part of the employment contract 40 days of paid holiday per year Assistance in finding accommodation and other administrative matters related to relocation to Prague 	
Profile of an ideal candidate:	 Applicant Requirements: MA and Ph.D. in psychology or a closely related field with a strong emphasis on psychology Ph.D. completed within the past five years before the application deadline Fluent in English Self-motivated Good communication skills (oral presentations and scientific writing) Strong organizational skills Ability to interact effectively and work within a team Good analytical and problem-solving skills The postdoctoral researcher will be expected to contribute to scholarly publications, both as a co-author and as lead author on selected projects. This role is ideally suited for candidates seeking to deepen their expertise and build a strong academic publication record and network in preparation for a faculty career. 	
Workplace:	Department of Psychology, Faculty of Education, Charles University, M. Rettigové 4, Praha 1	

Supervisor:	Assoc. prof. Irena Smetáčková, Ph.D.	
E-mail:	irena.smetackova@pedf.cuni.cz	
Phone:	+420 607 527 749	
Position available from:	January 1, 2026 (possible postponement upon the candidates' request)	
Application deadline:	August 11, 2025	
The applicants should submit:	 All required documents by the Charles University's Junior Fund Research proposal (max. 5 standard pages) Sample syllabi for two proposed courses/seminars Professional Curriculum Vitae, including the commented list of up to 5 most important publications. Please specify your research contribution and input to each publication (all together max. 2 pages A4). Letter of Reference Copy of the PhD Diploma or Provisional certificate of completion of PhD studies or another official confirmation that the applicant has been awarded PhD Degree 	
Applicantsshouldsubmitrequireddocumentsto:	eliska.smerdova@pedf.cuni.cz	

Faculty of Law

The nature and limi (due care, due diligence, E		
Project Annotation:	The visiting researcher is expected to provide a thorough analytical reflection on the legal and regulatory frameworks influencing board liability at both the national and European levels. The research should not only consider the traditional concept of directors' liability in corporate law, but also incorporate recent developments in the areas of sustainability , responsible business conduct, and emerging obligations under EU legislation, particularly in light of the Corporate Sustainability Due Diligence Directive (CS3D). The researcher should engage with existing case law and offer a critical analysis, while also proposing potential directions for the future development of directors' liability in response to evolving societal and regulatory expectations. A comparative perspective is also anticipated, as well as the ability to identify the impact of these changes on corporate governance and the legal certainty of board members.	
What do we offer?	We offer a background among a number of prominent domestic experts in corporate law . The researcher will be able to discuss with the department's scholars, as well as to participate with them in publishing, researching, and lecturing activities.	
Profile of an ideal candidate:	Post-doc with a particular interest in corporate lawEnglish level B1 at least	
The applicants should submit:	 All <u>required documents</u> by the Charles University Junior Fund Research proposal (max. 5 standard pages) Sample syllabi for two proposed courses/seminars 	
Workplace:	Faculty of Law – Department of Business Law	

Supervisor:	Doc. JUDr. Bohumil Havel, Ph.D.	
E-mail:	havelb@prf.cuni.cz	
Phone:	+420 221 005 333	
Position available from:	January 1, 2026	
Application deadline:	July 31, 2025	
Applicantsshouldsubmitrequireddocumentsto:	Documents must be sent to havelb@prf.cuni.cz and dime	elise@prf.cuni.cz in copy

First Faculty of Medicine

Heterotypic interce	ellular coupling in the developing heart	
Project Annotation:	Study gap junctional coupling between the working myocardium and various components of the cardiac conduction system using electrophysiology and immunohistochemistry, both in vitro and in vivo.	
What do we offer?	 Expertise in optical mapping and 3D confocal imaging Strong publication history in the field using various model systems Research program focused on developmental mechanisms of arrhythmias Salary: Equivalent of 2 200 EUR/month 	
Profile of an ideal candidate:	 PhD in cell/developmental biology or physiology Willingness to learn new techniques Ability to work as a part of the team 	
Workplace:	Institute of Anatomy, First Faculty of Medicine, U Nemocnice 3, Prague 2	
Supervisor:	Prof. MUDr. David Sedmera, DSc.	
E-mail:	David.Sedmera@lf1.cuni.cz	
Phone:	+420 224 965 941	
Position available from:	January 1, 2026	
Application deadline:	August 8, 2025	
Applicantsshouldsubmitrequireddocumentsto:	David.Sedmera@lf1.cuni.cz	

Faculty of Medicine in Pilsen

Integrated Biomar	ker Discovery for Predicting Response and Toxicity to	
Project Annotation:	This research project focuses on the identification and validation of novel predictive biomarkers for both immune-related adverse events (irAEs) and therapeutic response in patients with malignant melanoma treated with immune checkpoint inhibitors (ICIs). Although ICIs have revolutionized cancer treatment and significantly improved outcomes in melanoma, their use is often associated with unpredictable responses and potentially severe irAEs. In contrast to kinase inhibitors (so-called targeted therapies), whose efficacy is closely linked to the identification of predictive biomarkers, strong predictors have not yet been established for immunotherapy. The same applies to immune-related adverse events.	

	To address these needs in melanoma ICI treatment, the project will employ a comprehensive approach combining immunohistochemistry (tissue) and liquid biopsy (blood) analyses. First, IHC (on FFPE tissue) will be used to characterize the composition and spatial distribution of tumor-infiltrating immune cells (a panel of CD markers) within the tumor microenvironment. These data will help elucidate the role of the local immune context in treatment response and toxicity. Second, multiplex assays will be applied to analyze circulating cytokines and soluble immune checkpoint molecules in peripheral blood. These circulating factors may serve as non-invasive biomarkers reflecting systemic immune activation or dysregulation associated with both therapeutic efficacy and irAEs. Third, an ultrasensitive	
	ddPCR-based method will be used to detect BRAF and NRAS mutations in circulating tumor DNA (ctDNA), enabling real-time monitoring of tumor genetic dynamics. ctDNA may provide an additional layer of information regarding tumor burden, treatment resistance, or disease progression.	
	By integrating these methodologies, the project aims to generate a robust and feasible panel of biomarkers that can improve clinical decision-making, guide risk stratification, and support the development of personalized immunotherapy strategies for melanoma patients. The project builds on our previously published results in treatment prediction. It will also utilize our biobank of tissue and blood samples from melanoma patients treated with ICIs, along with prospective sampling of new patients.	
What do we offer?	We offer the opportunity to join a research team with experience in biomarker discovery for precision oncology. Our laboratory specializes in translational cancer research with a strong focus on targeted therapy, immunotherapy and liquid biopsy. You will gain hands-on experience with cutting-edge molecular genetics methods , including digital PCR for ctDNA detection, multiplex cytokine profiling, and immunohistochemical analysis of tumor- infiltrating immune cells. We provide access to modern laboratory infrastructure, expert mentorship, and an environment that supports innovation, collaboration, and the transfer of research findings into clinical practice.	
Profile of an ideal candidate:	 Ph.D. (or equivalent) degree in medicine, life sciences, or related fields. Max. 5 years from graduation Technical skills in molecular biology (e.g., reverse transcription-qPCR, digital PCR, tissue sectioning, immunohistochemistry, NGS) Technical skills in histology (e.g., tissue sectioning, microscopy, immunohistochemistry, immunofluorescence High motivation, ability to conduct collaborative research Track record of publications in peer-reviewed journals, which include skillness of required methods Excellent English communication skills both in written and oral form 	
Workplace:	Department of Biology	
Supervisor:	doc. Ing. et Ing. Jiří Polívka, Ph.D. prof. RNDr. Martin Pešta, Ph.D.	

E-mail:	Jiri.polivka2@lfp.cuni.cz	
Phone:	+420 724 062 117	
Position available from:	January 1, 2026	
Application deadline:	July 31, 2025	
Applicantsshouldsubmitrequireddocumentsto:	internationaloffice@lfp.cuni.cz , Jiri.polivka2@lfp.cuni.cz a	and martin.pesta@lfp.cuni.cz
Infertility treatmen	t using modulation of sperm proteome	
Project Annotation:	 The threat of infertility has increased in human reproduction over the last decades. The male factor (andrology) significantly contributes to infertility and may limit the effective selection of viable spermatozoa. Due to the transcriptional inactivity of gametes, post-translational modifications (PTMs) of sperm proteins must be taken into account. The aim of this project is to: track oxidative cysteine PTMs required for egg fertilization, define the female contribution to the establishment of the sperm PTM code prior to fertilization in vivo, and modulate the sperm proteome in vitro through targeted PTMs. Improved knowledge of the sperm proteome and the interactions between female and male factors will enhance current reproductive medicine by enabling advanced diagnostics, more effective sperm selection, and/or in vitro treatments. 	
What do we offer?	 Robust technical support, including the animal facility and core unit of proteomic analysis Established pipeline of reproductive phenotype assessment Tight collaboration with the progressive research group of reproductive biologists For more details, visit our <u>website</u> 	
Profile of an ideal candidate:	 Graduation in reproductive medicine or developmental biology, with the focused to andrology Experience with sperm preparation of mammalian species (ejaculate versus epididymal extraction), analysis (flow cytometry, proteomic analyses), and usage (in vitro fertilization) Independence in the laboratory and ability to publish achieved results 	
Workplace:	Biomedical Center	
Supervisor:	Jan Nevoral, Ph.D., assoc. prof.	
E-mail:	Jan.nevoral@lfp.cuni.cz	
Phone:	+420 377 593 808	
Position available from:	January 1, 2026	
Application deadline:	July 31, 2025	
Applicantsshouldsubmitrequireddocumentsto:	internationaloffice@lfp.cuni.cz and Jan.nevoral@lfp.cuni.c	<u>DZ</u>