

ANNOUNCEMENT OF THE RESULTS OF THE JUNIOR STAR – 2025 PUBLIC CALL FOR PROPOSALS

As of 31 October 2024, the Czech Science Foundation completed the evaluation of the project proposals received for the competition SGA0202500003 – Grantové projekty JUNIOR STAR and has decided to provide funding for the grant projects listed below. This decision has been made subject to the allocation by the Act on the State Budget of the Czech Republic for 2025 of targeted funds to the Czech Science Foundation in the amount approved by the Council for Research, Development and Innovation and the Government of the Czech Republic. In the event that the targeted funds are allocated in a lower amount, or on separate legal grounds, the Czech Science Foundation reserves the right to reduce the funding to some of the grant projects listed below and/or not to provide funding to some of those grant projects.

Reg. No.	Applicant	Title	Organization	Number of years	Discipline Committee
25-16662M	Martin Jirka	Light Utilization for Matter Emergence	České vysoké učení technické v Praze, Fakulta jaderná a fyzikálně inženýrská	5	EX1
25-17250M	Assoc. Prof. Dominik Šafránek, Ph.D.	Adaptive quantum tomography based on quantum Bayes' theorem	Univerzita Karlova, Matematicko-fyzikální fakulta	5	EX1
25-18306M	Dr. Daniel Wesley Fussner	Interpolation, Amalgamation, and Computation	Ústav informatiky AV ČR, v.v.i.	5	EX1
25-15534M	Ing. Peter Švihra, Ph.D.	Quantum Astrometry	České vysoké učení technické v Praze, Fakulta jaderná a fyzikálně inženýrská	5	EX2
25-18336M	Ing. Filip Ligmajer, Ph.D.	Phase-change materials for photonic neural networks and neuromorphic computing	Vysoké učení technické v Brně, Fakulta strojního inženýrství	5	EX2
25-17760M	Daniel Bím	Tailoring Nickel Catalysts for Improved Stability and Catalytic Efficiency under Photochemical and Electrochemical Reaction Conditions	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	5	EX3
25-18196M	Przemyslaw Rzepka	Unraveling Mechanisms of Coke Deposition within Zeolite Micropores through Advanced Neutron Powder Diffraction Analysis	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	5	EX3
25-16606M	Matouš Vobořil	Inflammation Related Transitional Dendritic Cells as Key Players in T Cell Tolerance	Univerzita Karlova, Přírodovědecká fakulta	5	EX4
25-18233M	Mgr. David Bednář, Ph.D.	Engineering next-generation thrombolytics for the treatment of stroke	Masarykova univerzita, Přírodovědecká fakulta	5	EX4

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25-18359M	Ing. Milan Němý	Quantitative Structural and Functional Imaging of the Human Cholinergic System with Applications in Cognitive Science and Neurodegenerative Disorders	České vysoké učení technické v Praze, Český institut informatiky, robotiky a kybernetiky	5	EX4
25-15736M	RNDr. Martin Volf, Ph.D.	Potent, rich, or different: Investigating eco-evolutionary drivers of the astonishing diversity of plant specialized metabolites at the global scale	Biologické centrum AV ČR, v.v.i.	5	EX5
25-17643M	RNDr. Jiri Zahradnik, Ph.D.	Unveiling Divergence and Convergence Points in Coronavirus Evolution for Host Receptor Recognition	Univerzita Karlova, 1. lékařská fakulta	5	EX5
25-16030M	Mgr. Oksana Stupak, Phd, DrS	On the road to inclusion of Ukrainian refugees in the environment of Czech Lower-Secondary schools	Masarykova univerzita, Pedagogická fakulta	5	EX6
25-16848M	JUDr. Jakub Drápal, M.Phil., Ph.D.	Just Sentences: Analyzing and Enhancing Proportionality and Consistency Using Typical Crimes	Univerzita Karlova, Právnická fakulta	5	EX6
25-16410M	Mgr. Patrik Paštrnák, M.A., D.Phil.	Reconfiguring Bohemian Queenship: Power, Resources, and Effects in ca. 1300-1500	Univerzita Palackého v Olomouci, Filozofická fakulta	5	EX7
25-16749M	RNDr. Jan Čapek, Ph.D.	Microstructure control to optimise the properties of 3D printed steels	Univerzita Karlova, Matematicko-fyzikální fakulta	5	EX8
25-17459M	doc. Mgr. Ing. Karel Sedlář, Ph.D.	Computational and Experimental Characterization of Enzymes for Sustainable Design of Bioplastics	Vysoké učení technické v Brně, Fakulta elektrotechniky a komunikačních technologií	5	EX8
25-17779M	Ing. Tomáš Báča, Ph.D.	TOMSNAV: Topological Multi-modal and Semantic Navigation for Aerial Vehicles	České vysoké učení technické v Praze, Fakulta elektrotechnická	5	EX8
25-17788M	Ing. Karel Tesař, Ph.D.	Dynamic testing and in vitro-in vivo correlation of magnesium implants: multidisciplinary challenges	České vysoké učení technické v Praze, Fakulta jaderná a fyzikálně inženýrská	5	EX8