

Summary of the results of the 3rd UP Young Researcher Grant Competition

Research area: Natural sciences, mathematics, and computer science

Name	Grant Title
Ondřej Černotík, Ph.D.	Bosonic cavity memories for superconducting quantum computers
Mgr. Vlastimil Vrba, Ph.D.	Coherent control of gamma photons and nuclear quantum states using ultrasound modulation and polarization effects in nuclear resonance
Mgr. Petr Dvořák, Ph.D.	Deciphering novel mechanism of plant antioxidant defense regulation during salt stress by protein-protein interactions

Research area: Medical sciences and biomedicine

Name	Grant Title
Mgr. Martina Zatloukalová, Ph.D.	The role of nitroalkenes in neuroprotection, neurotoxicity and neuroinflammation in vitro
Mgr. Zdeněk Škrott, Ph.D.	Insight into cellular proteotoxic stress response using a new microthermal protein damage methodology
Mgr. Pavla Kořalková, Ph.D.	Connections of targeted therapy interfering with oncogenic FLT3 signaling, abnormal epigenome and rewired metabolism in acute myeloid leukemia

Research area: Humanities and social sciences

Name	Grant Title
Mgr. David Fiedor, Ph.D.	Soft forms of gambling: popularity, availability, and risk level in relation to the development of gambling careers
Mgr. Michal Vorlíček, Ph.D.	Influence of environmental determinants on active transport of Czech children and adolescents in the context of 24-hour behavioural patterns
Dr. Marko Svcevic, LL.Dip.	The Ukraine crisis - Challenging military aggression without direct military force: Mapping the road for European Union security and collective responses under international law