

Dean's Decision No. 2/2026

## Results of the Grant Competition for Specific Research Projects for 2026

In accordance with the Dean's Decisions No. 19/2025, the Dean of the Faculty of Science UHK announces the results of the grant competition for specific research projects for the year 2026.

**Table 1: Standard projects accepted for funding.**

RESEARCHER	PROJECT TITLE	AMOUNT ALLOCATED
Mgr. Irene Castellino	Benzothiophene-functionalized magnetic microparticles for stable kinase immobilization	CZK 250,000
RNDr. Jan Hurdálek	Extracellular PDZ-binding motifs as prospective novel targets for cell manipulation	CZK 246,000
Mgr. Nela Štěrbová	LC/SFC-MS analysis of bis(monoacylglycero)phosphate's isomers	CZK 250,000
Mgr. Darina Picková, Ph.D.	Determination of ochratoxin A in food for cats and dogs	CZK 168,000
RNDr. Zuzana Kovalíková, Ph.D.	Symbiotic nitrogen fixation in woody plants as an alternative to mineral fertilizers	CZK 76,000
Mgr. Sára Benešová	Synthesis of C5-Substituted analogues of Pralidoxime as potential antidotes for Organophosphate-Inhibited Cholinesterases	CZK 250,000
Mgr. Zuzana Bartíková	Diversity and foraging ecology of pollinators in field crops and orchards in the Czech Republic	CZK 155,000

**Table 2: Standard projects not accepted for funding.**

<b>RESEARCHER</b>	<b>PROJECT TITLE</b>	<b>AMOUNT ALLOCATED</b>
Mgr. Adéla Samuelová	Invasive Pests in Urban Green Spaces: an Analysis of a Hidden Risk in Central Europe	CZK 0
Mgr. Veronika Skoupilová	Application of Virtual Reality in Education	CZK 0
Mgr. Karolína Škopová	Application of Artificial Intelligence and Virtual Reality in Secondary School Education	CZK 0

**Table 3: Excellent PhD projects accepted for funding.**

<b>RESEARCHER</b>	<b>PROJECT TITLE</b>	<b>AMOUNT ALLOCATED</b>
RNDr. Lukáš Fresser	Design, synthesis and evaluation of centrally active senomodulators based on the inhibition of JNK kinase	CZK 600,000
Mgr. Sabina Surovcová	Development of chiral derivatization reagents for study of D-aminoacids as potential biomarkers	CZK 545,190

The disbursement of funds for projects is temporarily restricted until the faculty receives the second installment of support from the Ministry of Education, Youth and Sports under the SPEV program, as follows:

The budget items “Scholarship to support the quality of presentation of results and fieldwork” and “Travel expenses of academic and research staff” will be fully covered. The items “Material costs” and “Costs of other services and intangible expenses” will be covered up to 50 % of the amounts specified in the project proposal. The item “Scholarship for project work” will not be funded at this stage and will be reimbursed retrospectively upon receipt of the second installment of support.

This Decision shall enter into force and effect on the date of signature.

In Hradec Králové on 31 March 2026.

RNDr. Alena Myslivcová Fučíková, Ph.D.  
Dean of the Faculty of Science UHK