

Zápis z jednání zpravodajů pro Juniorské granty UP v oblasti Přírodní vědy, matematika a informatika, konaného dne 11. 11. 2025

E-mailem jednali: prof. RNDr. Ivo Frébort, CSc. Ph.D., prof. RNDr. Tomáš Opatrný, Dr.

- 1) Zpravodajové se seznámili s 9+3 projekty předloženými hodnotícími komisemi Přírodovědecké fakulty a VSÚ CATRIN pro Juniorské granty UP v oblasti Přírodní vědy, matematika a informatika (řazení dle čísla):

|             |   |
|-------------|---|
| JG_2026_006 | Šigutová Hana, Mgr., Ph.D. - Anticipating freshwater biota responses to climate-driven habitat shifts based on the evolutionary history of lotic and lentic odonates (Lotic2Lentic) |
| JG_2026_007 | Kouřil Lukáš, Mgr., Ph.D. - Solid-state detectors as a key to open new possibilities for applications of conventional Mössbauer spectroscopy  |
| JG_2026_011 | Hlaváčková Kateřina, Mgr., Ph.D. - Is alfalfa root hair development and rhizobial infection modulated by ROP8-SIMK interaction?   |
| JG_2026_014 | Talande Smita, Ph.D. - Engineering transition metal-loaded carbon/graphene derivative composites for Aluminum-ion supercapacitors   |
| JG_2026_018 | Brumovský Miroslav, RNDr, Ph.D. - SURFINN: Tailoring SURface characteristics of Iron Nitride Nanoparticles for enhanced destruction of chlorinated aliphatic hydrocarbons           |
| JG_2026_020 | Krajčovičová Soňa, Mgr., Ph.D. - Bridge–Click–Degrade: Synthetically Engineered Degradable–Antibody Conjugates for Targeted Elimination of Oncogenic Kinases                        |
| JG_2026_023 | Kotrle Kamil, Mgr., Ph.D. - Towards Chiral Molecular Nanomagnets for Magneto-Optical Functionality  |
| JG_2026_025 | Kubalová Ivona, Mgr., Ph.D. - AHK4-7RED: The Cytokinin-Brassinosteroid Tango in Plant Signaling   |
| JG_2026_031 | Dostálková Silvie, Mgr., Ph.D. - Signalling Pathways of Bee Immunity: From Immune Triggers to Effector Molecules  |
| JG_2026_033 | Skoupý Svatopluk, Mgr., Ph.D. - Genomic and epigenomic drivers of speciation in cyanobacteria from hot and cold extreme environments  |
| JG_2026_037 | Malik Himani - Confronting the Antikekulene Challenge   |
| JG_2026_042 | Svoboda Václav, Mgr., Ph.D. Impact of phosphorylation dynamics on thylakoid membrane ultrastructure in land plants  |

- 2) Zpravodajové se seznámili s hodnocením fakultních komisí, jimi navrženým pořadím a s posudky externích hodnotitelů a jednomyslně se shodli doporučit projekty k financování v tomto pořadí:

1. JG\_2026\_033 Skoupý Svatopluk, Mgr., Ph.D. - Genomic and epigenomic drivers of speciation in cyanobacteria from hot and cold extreme environments

2. JG\_2026\_006 Šigutová Hana, Mgr., Ph.D. - Anticipating freshwater biota responses to climate-driven habitat shifts based on the evolutionary history of lotic and lentic odonates (Lotic2Lentic)
3. JG\_2026\_025 Kubalová Ivona, Mgr., Ph.D. - AHK4-7RED: The Cytokinin-Brassinosteroid Tango in Plant Signaling
4. JG\_2026\_023 Kotrle Kamil, Mgr., Ph.D. - Towards Chiral Molecular Nanomagnets for Magneto-Optical Functionality
5. JG\_2026\_031 Dostálková Silvie, Mgr., Ph.D. - Signalling Pathways of Bee Immunity: From Immune Triggers to Effector Molecules
6. JG\_2026\_011 Hlaváčková Kateřina, Mgr., Ph.D. - Is alfalfa root hair development and rhizobial infection modulated by ROP8-SIMK interaction?
7. JG\_2026\_042 Svoboda Václav, Mgr., Ph.D. Impact of phosphorylation dynamics on thylakoid membrane ultrastructure in land plants
8. JG\_2026\_007 Kouřil Lukáš, Mgr., Ph.D. - Solid-state detectors as a key to open new possibilities for applications of conventional Mössbauer spectroscopy
9. JG\_2026\_020 Krajčovičová Soňa, Mgr., Ph.D. - Bridge–Click–Degrade: Synthetically Engineered Degradable–Antibody Conjugates for Targeted Elimination of Oncogenic Kinases

prof. RNDr. Ivo Frébort, CSc. Ph.D. (CATRIN) .....

prof. RNDr. Tomáš Opatrný, Dr. (PřF) .....

Zapsal:  
V Olomouci dne