

The Projects of Scientific Grant Agency of the Ministry of Education, Science, Research and Sport of Slovak republic and the Slovak Academy of Sciences

- 1. Principal investigator: Ing. Zuzana Višňovcová, PhD.**
Department of Physiology
Number of the project: 1/0190/20
Title of the project: „Electrodermal activity as a symphatetic regulation /dysregulation index – analysis using complex mathematical methods in relation to selected diseases.“
Duration of the project: 2020-2023
Contact: zuzana.visnovcova@uniba.sk
- 2. Principal investigator: PharmDr. Martin Kertys, PhD.**
Department of Pharmacology
Number of the project: 1/0081/20
Title of the project: „Monitoring of efficacy during antiplatelet and anticoagulant drug monitoring.“
Duration of the project: 2020-2023
Contact: martin.kertys@uniba.sk
- 3. Principal investigator: Assoc. Prof. Mgr. Tatiana Burjanivová, PhD.**
Department of Molecular Biology and Genomics
Number of the project: 1/0205/20
Title of the project: „Profiling of circulating tumor DNA and FFPE tissues in the management, and in prognosis of patients with malignant melanomas by using next generation sequencing.“
Duration of the project: 2020-2023
Contact: tatiana.burjanivova@uniba.sk
- 4. Principal investigator: Ing. Jakub Míšek, PhD.**
Department of Medical Biophysics
Number of the project: 1/0173/20
Title of the project: „Iron and other biogenic elements in the CNS as markers of exposure to electromagnetic fields.“
Duration of the project: 2020-2023
Contact: jakub.misek@uniba.sk
- 5. Principal investigator: prof. RNDr. Ivan Poliaček, PhD.**
Department of Medical Biophysics
Number of the project: 1/0092/20
Title of the project: „Relations of central control of cough and breathing.“
Duration of the project: 2020-2023
Contact: ivan.poliacek@uniba.sk

- 6. Principal investigator: Mgr. Radovan Murín, PhD.**
Department of Medical Biochemistry
Number of the project: 1/0255/20
Title of the project: „Interconnection of S-adenosylmethionine cycle and energy cell metabolism.“
Duration of the project: 2020-2023
Contact: radovan.murin@uniba.sk
- 7. Principal investigator: RNDr. Michal Pokusa, PhD.**
Biomedical Centre Martin
Number of the project: 1/0299/20
Title of the project: „The study of effect of pre-ischemia and global brain ischemia on proteins of mitochondrial dynamics.“
Duration of the project: 2020-2023
Contact: michal.pokusa@uniba.sk
- 8. Principal investigator: prof. Ivana Dedinská, M.D., PhD.**
Clinic of Internal Medicine I.
Number of the project: 1/0238/21
Title of the project: „Continuous glucose monitoring and glycaemic variability in early posttransplantation period as a predictor of complications after kidney transplantation.“
Duration of the project: 2021-2023
Contact: ivana.dedinska@uniba.sk
- 9. Principal investigator: prof. RNDr. Soňa Fraňová, PhD.**
Department of Pharmacology
Number of the project: 1/0314/21
Title of the project: „The role of RhoA/Rho kinase pathway in the pathomechanism of allergic airway inflammation and the possibilities of their pharmacological modulation.“
Duration of the project: 2021-2023
Contact: sona.franova@uniba.sk
- 10. Principal investigator: Assoc. Prof. Mgr. Juraj Čáp, PhD.**
Department of Nursing
Number of the project: 1/0276/21
Title of the project: „Trust in the relationship between patients with chronic illness and healthcare professionals: an interpretative phenomenological analysis.“
Duration of the project: 2021-2023
Contact: juraj.cap@uniba.sk
- 11. Principal investigator: Mgr. Ľubica Bánovčinová, PhD.**
Institute of Midwifery
Number of the project: 1/03333/21
Title of the project: „Risk factors associated with posttraumatic stress disorder after

birth."

Duration of the project: 2021-2023

Contact: lubica.banovcinova@uniba.sk

12. Principal investigator: prof. Michal Javorka, M.D., PhD.

Department of Physiology

Number of the project: 1/0283/21

Title of the project: „Circulating mikroRNA as a potential marker of endothelial dysfunction in young obese patients.“

Duration of the project: 2021-2024

Contact: michal.javorka@uniba.sk

13. Principal investigator: prof. Ján Staško, M.D., PhD.

Clinic of Hematology and Transfusiology

Number of the project: 1/0479/21

Title of the project: „Molecular-genetic aspects of platelet hyperaggregability in patients with venous thromboembolism.“

Duration of the project: 2021-2024

Contact: jan.stasko@uniba.sk

14. Principal investigator: Assoc. Prof. Erik Kúdela, M.D., PhD.

Clinic of Gynecology and Obstetrics

Number of the project: 1/0398/21

Title of the project: „Immune system and vaginal microbiome as important mediators in the process of cervical carcinogenesis.“

Duration of the project: 2021-2024

Contact: erik.kudela@uniba.sk

15. Principal investigator: prof. Branislav Kolarovszki, M.D., PhD., MBA

Clinic of Neurosurgery

Number of the project: 1/0428/21

Title of the project: „Immunology of cervical spine degenerative disease: the possibility of using cytokines and intracellular signaling markers for disease diagnosis and therapy efficiency monitoring.“

Duration of the project: 2021-2024

Contact: branislav.kolarovszki@uniba.sk

16. Principal investigator: Ing. Slavomíra Nováková, PhD.

Biomedical Centre Martin

Number of the project: 1/0313/21

Title of the project: „Comparative proteomic and metabolomic analysis of fibroblasts with several types of human mesenchymal stem cells.“

Duration of the project: 2021-2024

Contact: slavomira.novakova@uniba.sk

17. Principal investigator: RNDr. Pavol Mikolka, PhD.

Biomedical Centre Martin

Number of the project: 1/0004/21

Title of the project: „Synthetic surfactant with surfactant proteins SP-B and SP-C analogues and anti-inflammatory therapy in experimental acute respiratory distress syndrome (ARDS).“

Duration of the project: 2021-2024

Contact: pavol.mikolka@uniba.sk

18. Principal investigator: Mgr. Henrieta Škovierová, PhD.

Biomedical Centre Martin

Number of the project: 1/0310/21

Title of the project: „Development of novel 3D models from human adult dental stem cells to study the process of osteodifferentiation comparison of their biological properties with 2D models and the research of their molecular and biochemical properties during the treatment of bone tissue defects.“

Duration of the project: 2021-2024

Contact: henrieta.skovierova@uniba.sk

19. Principal investigator: Mgr. Jana Harsányiová, PhD.

Biomedical Centre Martin

Number of the project: 1/0371/21

Title of the project: „New approaches to the detection of pathological forms of alpha-synuclein in gastrointestinal tissues.“

Duration of the project: 2021-2024

Contact: jana.harsanyiova@uniba.sk

20. Principal investigator: Tomáš Šimurda, M.D., PhD.

Clinic of Hematology and Transfusiology

Number of the project: 1/0436/21

Title of the project: „Genetic background of migraine conditions in patients with sticky platelet syndrome.“

Duration of the project: 2021-2024

Contact: tomas.simurda@uniba.sk

21. Principal investigator: Mgr. Miroslav Čovan, PhD.

Institute of Foreign Languages

Number of the project: 1/0256/22

Title of the project: „Inscription culture of Košice in the Middle Ages and early modern times.“

Duration of the project: 2022-2023

Contact: miroslav.covan@uniba.sk

22. Principal investigator: RNDr. Vincent Lučanský, PhD.

Biomedical Centre Martin

Number of the project: 1/0261/22

Title of the project: „Preparation of the Molecular Tools for Imaging of Spatio-temporal Dynamics of SARS-Cov-2 Entry into the Cell Using High-resolution 3D Microscopy in Real-time.“

Duration of the project: 2022-2024

Contact: vincent.lucansky@uniba.sk

23. Principal investigator: prof. Daniela Mokrá, M.D., PhD.

Department of Physiology

Number of the project: 1/0131/22

Title of the project: „Effect of gender differences and endotypes of asthma on efficacy of treatment in experimental models of bronchial asthma.“

Duration of the project: 2022-2024

Contact: daniela.mokra@uniba.sk

24. Principal investigator: RNDr. Mária Kovalská, PhD.

Department of Histology and Embryology

Number of the project: 1/0192/22

Title of the project: „Induced hyperhomocysteinemia and its influence on the development of metabolic and neurohistopathological changes in an experimental model of cerebral ischemia.“

Duration of the project: 2022-2024

Contact: maria.kovalska@uniba.sk

25. Principal investigator: prof. Mgr. Juraj Mokry, M.D., PhD.

Department of Pharmacology

Number of the project: 1/0093/22

Title of the project: „New methods for detection of resistance in tuberculous and non-tuberculous mycobacteria and their therapeutic implications.“

Duration of the project: 2022-2025

Contact: juraj.mokry@uniba.sk

26. Principal investigator: Assoc. Prof. Juraj Sokol, M.D., PhD.

Clinic of Hematology and Transfusiology

Number of the project: 1/0283/22

Title of the project: „Epigenetic a genetic biomarkers in woman with spontaneous abortion.“

Duration of the project: 2022-2025

Contact: juraj.sokol@uniba.sk

27. Principal investigator: Assoc. Prof. RNDr. Zuzana Danková, PhD.

Biomedical Centre Martin

Number of the project: 1/0286/22

Title of the project: „Complex profile of hormone-dependent women cancers determining early diagnosis, targeted personalized therapy and prediction of the disease recurrence.“

Duration of the project: 2022-2025

Contact: zuzana.dankova@uniba.sk

28. Principal investigator: RNDr. Dušan Braný, PhD.

Biomedical Centre Martin

Number of the project: 1/0145/22

Title of the project: „The role of non-coding RNAs in the onset and development of major depressive disorder.“

Duration of the project: 2022-2025

Contact: dusan.brany@uniba.sk

29. Principal investigator: Assoc. Prof. RNDr. Zora Lasabová, PhD.

Department of Molecular Biology and Genomics

Number of the project: 1/0269/22

Title of the project: „Study of differential gene expression of immune, inflammation and hypoxia genes in colorectal cancer.“

Duration of the project: 2022-2025

Contact: zora.lasabova@uniba.sk

30. Principal investigator: Assoc. Prof. Mgr. Monika Kmet'ová Sivoňová, PhD.

Department of Medical Biochemistry

Number of the project: 1/0014/22

Title of the project: „The role of the genetic variations in G1/S phase cell cycle regulators in aetiology and prognosis of prostate cancer.“

Duration of the project: 2022-2025

Contact: monika.kmetova.sivonova@uniba.sk

31. Principal investigator: Ing. Petra Hnilicová, PhD.

Biomedical Centre Martin

Number of the project: 1/0092/22

Title of the project: „Application of the above-standard radiological, proteomic, and genetic analyzes in the differential diagnostics of progressive forms of multiple sclerosis.“

Duration of the project: 2022-2025

Contact: petra.hnilicova@uniba.sk

32. Principal investigator: prof. RNDr. Ján Lehotský, DSc.

Department of Medical Biochemistry

Number of the project: 1/0274/23

Title of the project: „ Effect of neurotoxicants as risk factors on the onset and progression of CNS vascular disorders.“

Duration of the project: 2023-2025

Contact: jan.lehotsky@uniba.sk

33. Principal investigator: Michal Cibulka, M.D., PhD.

Biomedical Centre Martin

Number of the project: 1/0039/23

Title of the project: „Identification of components of magnesium homeostasis and study of their regulation in blood-brain barrier cells.“

Duration of the project: 2023-2025

Contact: michal.cibulka@uniba.sk

34. Principal investigator: Martin Ďuríček, M.D., PhD.

Clinic of Gastroenterological Internal Medicine

Number of the project: 1/0060/23

Title of the project: „The role of pathological alpha-synuclein in the motility disorders of Parkinson`s disease patients.“

Duration of the project: 2023-2026

Contact: martin.duricek@uniba.sk

35. Principal investigator: Tomáš Buday, M.D., PhD.

Department of Pathological Physiology

Number of the project: 1/0041/23

Title of the project: „Probiotics and paraprobiotics – modulation of the airway microbiome and its relevance for validation of animal models of cough in experimental respirology.“

Duration of the project: 2023-2026

Contact: tomas.buday@uniba.sk

36. Principal investigator: prof. Renáta Péčová, M.D., PhD., MPH

Department of Pathological Physiology

Number of the project: 1/0024/23

Title of the project: „Monitoring of selected biomarkers and the role of airway afferent nerve endings in the pathogenesis of postcovid cough.“

Duration of the project: 2023-2026

Contact: renata.pecova@uniba.sk

37. Principal investigator: prof. RNDr. Peter Kubatka, PhD.

Department of Medical Biology

Number of the project: 1/0045/23

Title of the project: „Plant Nutraceuticals in the Prevention and Treatment of Breast Carcinoma: Myth of Reality?“

Duration of the project: 2023-2026

Contact: peter.kubatka@uniba.sk

38. Principal investigator: prof. Andrea Čalkovská, M.D., DSc.

Department of Physiology

Number of the project: 1/0097/23

Title of the project: „Double-hit lung injury: clinically relevant model for testing the effect of an exogenous surfactant?“

Duration of the project: 2023-2026

Contact: andrea.calkovska@uniba.sk

39. Principal investigator: prof. Martina Šutovská, M.D., PhD.

Department of Pharmacology

Number of the project: 1/0072/23

Title of the project: „Immunobiochemical and genetic characteristics of clear cell renal cell carcinoma and their potential application in diagnostics and therapy.“

Duration of the project: 2023-2026

Contact: martina.sutovska@uniba.sk

40. Principal investigator: prof. RNDr. Peter Račay, PhD.

Department of Medical Biochemistry

Number of the project: 1/0183/23

Title of the project: „Unfolded protein response and endoplasmic reticulum associated degradation as targets of the treatment of glioblastoma multiforme.“

Duration of the project: 2023-2026

Contact: peter.racay@uniba.sk

41. Principal investigator: Mgr. Danica Jurčáková, PhD.

Department of Pathological Physiology

Number of the project: 1/0065/23

Title of the project: „Mechanisms of pain and itch induced by Staphylococcus aureus bacterial toxins.“

Duration of the project: 2023-2026

Contact: danica.jurcakova@uniba.sk