

Ongoing and Completed Innovation Projects in the Last 5 Years Involving Supervisors and Students of the Doctoral School of Biology and Sport Biology, University of Pécs

(09. September 2025)

Name	Project	Amount
Dr. Beáta Albert, Dr. Ildikó Miklóssy Brigitta Törsök, PhD student	Competitiveness Operational Programme POC/161/6/3, Priority Axis 2 Title: Development of monoclonal antibody production technology at the headquarters of Corax Bioner CEU RT. – ANTICORP. 2021.11.09 – 2023.12.31	3.24 million EUR
	Support for innovative start-up enterprises under measure 1.1, component 1.1.1, subcomponent 1- LDR. Title: Product development and establishment of a production plant, Medusa Laboratories Ltd. 2025.09.03 – 2027.08.31	1.6 million EUR
	Support for innovative start-up enterprises, measure 1.1.2: Development of private RDI capacities. Title: Development of next-generation bioactive cosmetics using nanoemulsions and supercritical extracts, Medusa Laboratories Ltd. Approved, contract in progress.	3.2 million EUR
Dr. Gábor Kemenesi	University of Pécs Proof of Concept (PoC) 2024–25 Testing of the P2400154 virus purification patent (TRL-4) in an industrially relevant, scalable environment (TRL-5/6) 2024.09.05 – 2025.12.31	20 million HUF

László Hevér, PhD student	University of Pécs Proof of Concept (PoC) 2022–23 – 'Development of a self-calibrating hydrogen sulphide measuring device supporting winery digitalization' 2022–2023	5 million HUF
	University of Pécs Dr. Ferenc Jakab Proof of Concept 2024–25 – 'Development of an electrochemical copper-measuring electrode and method for wine production to monitor the step of eliminating hydrogen sulphide fault' 2024–2025	3 million HUF
	2020-4.1.1.-TKP2020 – Institutional Excellence Subprogram (FIKP III.) PoC Idea project titled 'Hydrogen sulphide sensor for wine analytical studies' 2020–2021	
	GINOP_PLUSZ-2.1.1-21-2022-00122 – Research of new gin products and gin technology made from grape material without aroma loss 2022–2025	
Dr. László Szemethy	Support for Market-Driven Research, Development and Innovation Projects, Code: 2020-1.1.2-PIACI KFI Title: Implementation of a precision pruning robot based on image processing and machine learning methods 2020–2025	University of Pécs share: 107,679,477 HUF (17% of total funding)

Dr. Árpád Czéh	University of Pécs Cooperative Research and Development Grant 2024: Aflaview – development of an optical-based prototype instrument for detecting aflatoxin contamination; professional contributor 2024.09.01 – 2025.05.31	12 million HUF
	University of Pécs Dr. Ferenc Jakab Proof of Concept 2024–2025: 'PoCIdea' – 'Reduction of mycotoxin-producing fungi in cereal samples using chlorine dioxide-based disinfectant agent'; supervisor 2024.07.01 – 2025.12.31	3 million HUF
Dr. Zoltán Vidnyánszky, Dr. Béla Weiss Ádám Nárai, PhD student	1. GINOP-2.2.1-18-2018-00001 – Development of image and video intelligence cloud service to improve teleradiological image processing 2019.03.01 – 2022.03.31	277,247,037 HUF
	2019-2.1.7-ERA-NET – Early identification of Alzheimer’s disease subtypes 2020.03.01 – 2023.12.31	97,800,000 HUF
Dr. Zoltán Gazdag, Dr. Árpád Czéh	KAP Grant: Study on the inhibitory effect of chlorine dioxide on the growth of mycotoxin-producing filamentous fungi using different methods and culture vessels 2024	1.5 million HUF
	RKP Grant: Testing agricultural and human Aspergillus and Penicillium isolates with chlorine dioxide and with agricultural and clinical antifungal agents 2025	1.5 million HUF
Dr. Marianna Kocsis	University of Pécs Dr. Ferenc Jakab Proof of Concept 2024–2025: Study on the botanical origin of honey 2024–2025	3 million HUF