

**LIST
OF RESEARCH PROJECTS RECOMMENDED FOR FUNDING UNDER THE
“Professional Retraining 2024” PROGRAM CALL**

Code	PI name surname	Project Title	Institution	Host Institution	Budget (AMD)
1 24PTS-1D012	Baghdasaryan Lilit Artur	Simulation and Additive manufacturing of Aluminum nitride based thermal management systems.	"A.B. Nalbandyan Institute of Chemical Physics" NAS RA	Tampere University of Applied Sciences	2419969.0
2 24PTS-3B013	Barkhudaryan Anush Levon	Assessment of the chemotherapy-related myocardial dysfunction by 2D speckle-tracking echocardiography in patients with cancer	Yerevan Scientific Medical Center	University Hospital Heidelberg	11090912.0
3 24PTS-1F005	Gevorgyan Smbat Vachagan	Computational Drug Design for Chronic Hepatitis B at Shenzhen MSU-BIT University	"Institute of Molecular Biology" NAS RA	Shenzhen MSU-BIT University (SMBU)	3120000.0
4 24PTS-1F014	Grigoryan Rafayela Khoren	Generation of a cell line with knockout dehydroorotate dehydrogenase gene	"Institute of Molecular Biology" NAS RA	International Center for Infectiology Research (CIRI)	1860000.0
5 24PTS-1F011	Iskandaryan Meri Karen	Optimization of cultivation conditions for heterotrophic growth and hydrogenase activity of Cupriavidus necator H16. Purification and biochemical characterization of [NiFe]-hydrogenase	Yerevan State University	Technical University of Berlin	2222000.0
6 24PTS-1C007	Tsarukyan Lusine Mkrtych	Application of photovoltaic tweezers to biological objects	"Institute for Physical Research" NAS RA	Université Laval	1934400.0
7 24PTS-1C004	Kuzanyan Astghik Armen	“Transmission electron microscopy for nanotechnology and materials science” internship at University of Notre Dame	"Institute for Physical Research" NAS RA	Department of Chemical and Biomolecular Engineering, University of Notre Dame	1934000.0
8 24PTS-1C009	Aram Hayrapetyan Armen	The search for long-lived particles at the CMS (LHC) experiment and the study of low-gain semiconductor detectors.	"A.Alikhanyan National Laboratory (Yerevan Physics Institute)" Foundation	Fermi National Accelerator Laboratory	4815000.0
9 24PTS-4B006	Harutyunyan Zara Eduard	PROMOTING THE BALANCE ADAPTATION – TOMATO FRUIT YIELD & QUALITY IN WATER DEFICIT CONDITIONS USING NEW SOURCES OF BIODIVERSITY (Acronym: ADAPT-TOM)	«Scientific Centre of Vegetable and Industrial Crops» CJSC	Segura Center for Soil Science and Applied Biology (CEBAS)	4853200.0

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10	24PTS-1F003	Kazaryan Shushanik Armen	Using Liquid Chromatography Tandem Mass Spectrometry to Detect and Quantify 2-phenyl-1,4-benzopyrone Derivatives from Plants	Russian-Armenian University	Northern Michigan University	2796088.0
11	24PTS-1F010	Shirvanyan Anahit Hambardzum	Molecular mechanisms of acetic acid stress response in industrial <i>S. cerevisiae</i> yeast strains	Yerevan State University	University of Bari "Aldo Moro"	3360610.0
12	24PTS-1A002	Vagharshakyan Armen Ashot	Investigation of analogues of uniqueness theorems of complex analysis for functions classes arising from solutions of some PDEs	"Institute of Mathematics" NAS RA	Ghent University	2449164.0
13	24PTS-1F008	Vanyan Liana Manvel	CRISPR-based genome engineering to obtain combinatorial mutants in hydrogenase enzymes	Yerevan State University	Institute for Biotechnology Flanders (VIB) - KU Leuven	3360610.0