



HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT AND
INVESTMENTS GENERAL SECRETARIAT FOR
RESEARCH AND INNOVATION

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H.F.R.I. 04.11.2021

Ref. No.: 40848

ANNOUNCEMENT

2nd AMENDMENT OF THE FUNDING LIST FOR THE PROPOSALS

submitted in the Scientific Areas

Physical Sciences (S.A.1)
Life Sciences (Medicine & Health Sciences) (S.A.3)
Agricultural Sciences – Food Science & Technology (S.A.4)

“2nd Call for H.F.R.I. Research Projects to Support Post-Doctoral Researchers”

Following the Decision under Ref. No. 40702/2.11.2021 by the Chair of the Scientific Council and acting Director of H.F.R.I. on the “2nd Amendment of the Decision under Ref. No. 27764/10.09.2020 (IUN: Ψ0NM46M77Γ-036) by the H.F.R.I. Director regarding the publishing of the funding list for the proposals submitted under the “2nd Call for H.F.R.I. Research Projects to Support Post-Doctoral Researchers” (Ref. No. 7121/29.11.2018, as in force) in the Scientific Areas “Physical Sciences”, “Life Sciences (Medicine & Health Sciences)” and “Agricultural Sciences – Food Science & Technology”, here follows the amended funding list for proposals submitted in the below Scientific Areas:

- Physical Sciences (S.A.1)
- Life Sciences (Medicine & Health Sciences) (S.A.3)
- Agricultural Sciences – Food Science & Technology (S.A.4)

It should be highlighted that the list is amended as follows:

- i. **The Proposal No. 488 shall be included in the funding list for proposals submitted in the Scientific Area “Physical Sciences”, whereas the Proposal No.770 shall be removed from this list.**
- ii. **The Proposal No. 468 shall be included in the funding list for proposals submitted in the Scientific Area “Life Sciences (Medicine & Health Sciences)” whereas the Proposal No.734 shall be removed from this list.**

FUNDING LISTS FOR PROPOSALS

submitted in the Scientific Areas

Physical Sciences (S.A.1)

Life Sciences (S.A.3)

Agricultural Sciences – Food Science & Technology (S.A.4)

“2nd Call for H.F.R.I. Research Projects to Support Post-Doctoral Researchers”

SCIENTIFIC AREA – PHYSICAL SCIENCES

Table below presents **the Proposals to be funded** in the Scientific Area “**Physical Sciences (S.A.1)**”, based on their scoring as listed in the Final Ranking Table ([Ref.No.27743/09.09.2020](#)) and the available budget (H.F.R.I.’s Scientific Council Decision with Ref. No. 19313/21.11.2019, IUN: ΩΓΨΦ46M77Γ-ΔΞΒ).

PHYSICAL SCIENCES					
FUNDING LIST					
A/N	Proposal No.	Title	Principal Investigator’s name and surname	Host Institution	Approved Budget (€)
1.	911	Artificial Macrocycles: (R)evolution of Drug Discovery	KONSTANTINOS NEOCHORITIS	UNIVERSITY OF CRETE	164,000
2.	224	Magnetized galaxies through cosmic time: Simulating the galactic magnetic field across scales and epochs	EVANGELIA NTORMOUSHI	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	154,375
3.	450	Advanced Materials for Perovskite Solar Cells	ANDREAS KALTZOGLU	NATIONAL HELLENIC RESEARCH FOUNDATION	164,000
4.	768	Quantum measurement with cold atoms	GEORGIOS VASILAKIS	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	164,000

5.	913	Modified carbon nanostructures and related 2D nanomaterials with small organic and coordination molecules as sustainable electrocatalysts	AMALIA RAPAKOUSIOU	NATIONAL HELLENIC RESEARCH FOUNDATION	164,000
6.	634	Deciphering the multi-messenger signals from Gravitational wave events that include Neutron stars	ANTONIOS NATHANAIL	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	164,000
7.	559	FLAMmable GreecE: Increasing awareness and preparedness for extreme fire weather and behavior	THEODORE GIANNAROS	NATIONAL OBSERVATORY OF ATHENS	163,701
8.	256	Fluid-Induced Seismicity mechanisms: Stochastic modelling, seismic anisotropy and beyond	GEORGIOS MICHAS	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	164,000
9.	234	Ultrasonically activated nanomedicines for targeted therapy of pancreatic cancer	GEORGIOS PASPARAKIS	UNIVERSITY OF PATRAS	163,290
10.	1336	Pump-probe Reflectivity Studies of Ultrashort Laser-induced Acoustic Strains in Layered Materials	KYRIAKI KOSMA	HELLENIC MEDITERRANEAN UNIVERSITY	164,000
11.	138	GRoundwater depletion. Are Eco-friendly Energy Recharge Dams a solution?	NERANTZIS KAZAKIS	ARISTOTLE UNIVERSITY OF THESSALONIKI	164,000
12.	916	Novel Multiresonant Photonic Metasurfaces for Broadband Control of Light	ODYSSEAS TSILIPAKOS	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	159,586
13.	488	Space Stochastic Gravitational Wave Hunt Employing LISA	NIKOLAOS KARNESIS	ARISTOTLE UNIVERSITY OF THESSALONIKI	164,000

SCIENTIFIC AREA – LIFE SCIENCES (MEDICINE AND HEALTH SCIENCES)

Table below presents **the Proposals to be funded** in the Scientific Area “**Life Sciences (Medicine and Health Sciences (S.A.3))**”, based on their scoring as listed in the Final Ranking Table ([Ref. No. 27743/09.09.2020](#)) and the available budget (H.F.R.I.’s Scientific Council Decision with Ref. No. 19313/21.11.2019, IUN: ΩΓΨΦ46M77Γ-ΔΕΒ).

LIFE SCIENCES (MEDICINE AND HEALTH SCIENCES)					
FUNDING LIST					
A/N	Proposal No.	Title	Principal Investigator’s name and surname	Host Institution	Approved Budget (€)
1.	1047	Bridging molecular diagnostics and metabolomics in ventilator-associated pneumonia: From biomarker assessment to timely and targeted treatment of ventilated critically ill children	ELIAS IOSIFIDIS	ARISTOTLE UNIVERSITY OF THESSALONIK I	179,966
2.	1078	Understanding the human bone marrow heterogeneity at the single cell level	DIMITRIOS KARAMITROS	UNIVERSITY OF PATRAS	179,798
3.	196	DNA Damage & Metabolism in Progeria and Natural Aging	EVANGELIA GOULIELMAKI	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	180,000
4.	1281	Role of mechanical forces in development and cancer	DÉMOSTHÈNE MITROSSILIS	BIOMEDICAL RESEARCH FOUNDATION OF THE ACADEMY OF ATHENS	180,000
5.	1157	The role of LPAR1 in colorectal cancer	EMMANOUIL ROULIS	BIOMEDICAL SCIENCES RESEARCH CENTRE “ALEXANDER FLEMING”	180,000
6.	629	Investigating mechanisms that prevent	ELENI PETSALAKI	UNIVERSITY OF CRETE	179,456

		chromatin bridges from breaking in cytokinesis			
7.	167	Ecological success beyond the genome: Linking adaptive potential with habitat connectivity	KONSTANTINOS SAGONAS	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	180,000
8.	553	Innovative approach for personalized prediction and health assessment in chronic lymphocytic leukemia	THEODOROS MOYSIADIS	DEMOCRITUS UNIVERSITY OF THRACE	179,820
9.	166	Dissecting the Regulatory T cell metabolic aberrancies in autoimmunity to empower their function	THEMIS ALISSAFI	BIOMEDICAL RESEARCH FOUNDATION OF THE ACADEMY OF ATHENS	180,000
10.	955	Immunoglobulin Light Chains and amyloid fibrils induced cardiotoxicity. Amenability of the cardiac proteasome activity	PANAGIOTIS EFENTAKIS	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	180,000
11.	1287	Deciphering gene expression by long non-coding RNAs in yeast and mammalian stem cells: mechanisms of Cell Fate Determination	FABIEN MORETTO	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	180,000
12.	17	Histone-fold domain proteins with divergent functions of Plasmodium as target for drug development and transmission blocking strategies	CHIARA CURRA	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	180,000

13.	805	Birds migrating in a changing world: movements, Regulatory mechanisms and conservation	ANASTASIOS BOUNAS	UNIVERSITY OF IOANNINA	178,848
14.	88	Untying the Gordian Knot of the regulation of Type III Secretion Systems from economically important pathogens	EFSTRATIOS MYLONAS	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	180,000
15.	1146	Identification of novel, differentially edited RNA molecules involved in neurodegenerative disorders pathogenesis	EIRINI KANATA - TSIAMI	ARISTOTLE UNIVERSITY OF THESSALONIK I	180,000
16.	376	Role of endothelial RhoA in cancer metastasis.	CONSTANTINOS - MARIOS MIKELIS	UNIVERSITY OF PATRAS	180,000
17.	1042	Reconstructing a human skeleton: Sorting human skeletal elements from mass disasters	MARIA-ELENI CHOVALOPOULOU	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	179,820
18.	1144	Type 2 Diabetes drives pulmonary and liver fibrosis through phospholipid and microbiota metabolism	ELEANNA KAFFE	BIOMEDICAL SCIENCES RESEARCH CENTRE "ALEXANDER FLEMING"	180,000
19.	1400	EndotyPIng PreHospitAl de Novo acute hYpoxemic respiratory failure	ILIAS SIEMPOS	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	180,000
20.	860	Metagenomic and Immunogenetic analysis in Multiple Sclerosis	MARINA KLEOPATRA BOZIKI	CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS	179,701

21.	468	Vascular Inflammation ReDuction and perivascular fat Imaging by Computed Tomography	ALEXIOS ANTONOPOULOS	BIOMEDICAL RESEARCH FOUNDATION OF THE ACADEMY OF ATHENS	179.988
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SCIENTIFIC AREA – AGRICULTURAL SCIENCES-FOOD SCIENCE AND TECHNOLOGY

Table below presents **the Proposals to be funded** in the Scientific Area “**Agricultural Sciences – Food Science & Technology (S.A.4)**”, based on their scoring as listed in the Final Ranking Table ([Ref. No. 27743/09.09.2020](#)) and the available budget (H.F.R.I.’s Scientific Council Decision with Ref. No. 19313/21.11.2019, IUN: ΩΓΨΦ46M77Γ-ΔΕΒ).

AGRICULTURAL SCIENCES- FOOD SCIENCE AND TECHNOLOGY					
FUNDING LIST					
A/N	Proposal No.	Title	Principal Investigator’s name and surname	Host Institution	Approved Budget (€)
1.	1053	Towards greater nitrogen use efficiency in agroecosystems	GEORGIOS GIANNOPOULOS	ARISTOTLE UNIVERSITY OF THESSALONIKI	170,000
2.	692	Advanced Metallomics Analysis in Fish for Improved Assessment of Human Risk and Environmental Quality	IOANNA KALANTZI	HELLENIC CENTRE FOR MARINE RESEARCH	169,775
3.	1254	Odorant Degrading Enzymes as molecular targets for controlling the olive fruit fly’s behavior	CHRISTINA DRAKOU	UNIVERSITY OF THESSALY	170,000
4.	1057	Diversity, phylogeny and chemical characterization of Tuber species from Greece – Establishment of fungal inocula to foster truffle cultivation on native plants	ELIAS POLEMIS	AGRICULTURAL UNIVERSITY OF ATHENS	169,188
5.	1183	INteractions of Veterinary antibiotics with soil microorganisms: exploiting microbial degradation to avert Environmental	SOTIRIOS VASILEIADIS	UNIVERSITY OF THESSALY	170,000

		contamination and ResisTance dispersal			
6.	75	Study of the engineering and physicochemical parameters involved in the development of novel, instant kefir based products	STYLIANOS EXARCHOPOULOS	INTERNATIONAL UNIVERSITY OF GREECE	170,000
7.	215	Curculio elephas: novel tools for Integrated Pest Management (IPM) on chestnut trees	EIRINI ANASTASAKI	BENAKI PHYTOPATHOLOGI CAL INSTITUTE	170,000
8.	414	SystEms Biology Modelling of Key LIfe History Traits for Sustainable Aquaculture Production in the Mediterranean Region	SPYRIDON PAPAKOSTAS	ARISTOTLE UNIVERSITY OF THESSALONIKI	170,000

**The Chair of the Scientific Council and acting Director of the
Hellenic Foundation for Research and Innovation**

Professor Xenia Chrysochoou