



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

HELLENIC FOUNDATION FOR RESEARCH AND INNOVATION
Address: 185 Syngrou Ave. & 2 Sardeon St., 17121, N. Smyrni
Website: www.elidek.gr
E-mail: researchdepartment@elidek.gr

H.F.R.I. 5.05.2022

Ref. No.: 48685

ANNOUNCEMENT

3rd 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. 48427/27.04.2022 by the Chair of the Scientific Council and acting Director of H.F.R.I. on the “3rd Amendment of the Decision under Ref. No. 27764/10.09.2020 (IUN: Ψ0NM46M77Γ-Θ36) 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.1078 is removed from the funding list for proposals submitted in the Scientific Area “Life Sciences (Medicine and Health Sciences)”.**
- ii. **The Proposal No.1157 is removed from the funding list for proposals submitted in the Scientific Area “Life Sciences (Medicine and Health Sciences)”.**
- iii. **The Proposal No.1144 is amended in terms of Principal Investigator with the replacement of Ms. Kaffe by Ms. Christianna Magrioti, from the funding list for proposals submitted in the Scientific Area “Life Sciences (Medicine and Health Sciences)”.**

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: ΩΓΨΦ46Μ77Γ-ΔΕΒ).

| 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 NTORMOISI | 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 THESSALONIKI | 179,966 |
| 2. | 196 | DNA Damage & Metabolism in Progeria and Natural Aging | EVANGELIA GOULIELMAKI | FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH) | 180,000 |
| 3. | 1281 | Role of mechanical forces in development and cancer | DÉMOSTHÈNE MITROSSILIS | BIOMEDICAL RESEARCH FOUNDATION OF THE ACADEMY OF ATHENS | 180,000 |
| 4. | 629 | Investigating mechanisms that prevent chromatin bridges from breaking in cytokinesis | ELENI PETSALAKI | UNIVERSITY OF CRETE | 179,456 |
| 5. | 167 | Ecological success beyond the genome: Linking adaptive potential with habitat connectivity | KONSTANTINOS SAGONAS | NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS | 180,000 |
| 6. | 553 | Innovative approach for personalized prediction and health assessment in chronic lymphocytic leukemia | THEODOROS MOYSIADIS | DEMOCRITUS UNIVERSITY OF THRACE | 179,820 |

| | | | | | |
|-----|-------------|---|-------------------------------|---|----------------|
| 7. | 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 |
| 8. | 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 |
| 9. | 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 |
| 10. | 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 |
| 11. | 805 | Birds migrating in a changing world: movements, Regulatory mechanisms and conservation | ANASTASIOS BOUNAS | UNIVERSITY OF IOANNINA | 178,848 |
| 12. | 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 |
| 13. | 1146 | Identification of novel, differentially edited RNA molecules involved in neurodegenerative disorders pathogenesis | EIRINI KANATA - TSIAMI | ARISTOTLE UNIVERSITY OF THESSALONIKI | 180,000 |
| 14. | 376 | Role of endothelial RhoA in cancer metastasis. | CONSTANTINOS - MARIOS MIKELIS | UNIVERSITY OF PATRAS | 180,000 |

| | | | | | |
|-----|-------------|--|-------------------------------|--|----------------|
| 15. | 1042 | Reconstructing a human skeleton: Sorting human skeletal elements from mass disasters | MARIA-ELENI CHOVALOPOULOU | NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS | 179,820 |
| 16. | 1144 | Type 2 Diabetes drives pulmonary and liver fibrosis through phospholipid and microbiota metabolism | CHRISTIANNA MAGRIOTI | BIOMEDICAL SCIENCES RESEARCH CENTRE "ALEXANDER FLEMING" | 180,000 |
| 17. | 1400 | EndotyPIng PreHospitAl de Novo acute hYpoxemic respiratory failure | ILIAS SIEMPOS | NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS | 180,000 |
| 18. | 860 | Metagenomic and Immunogenetic analysis in Multiple Sclerosis | MARINA KLEOPATRA BOZIKI | CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS | 179,701 |
| 19. | 468 | Vascular Inflammation ReDuction and perivascular fat Imaging by Computed Tomography | ALEXIOS ANTONOPOULOS | BIOMEDICAL RESEARCH FOUNDATION OF THE ACADEMY OF ATHENS | 179,988 |

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 contamination and ResisTance dispersal | SOTIRIOS VASILEIADIS | UNIVERSITY OF THESSALY | 170,000 |
| 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 PHYTOPATHOLOGICAL 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 Hellenic Foundation for Research and Innovation Director

Dr Ekaterini Kouravelou