



FORM # HE-2

**HORIZON  
EUROPE**THE EU RESEARCH & INNOVATION  
PROGRAMME 2021 - 2027

#HorizonEU

**PARTNER PROFILE FORM****I offer my expertise to participate as a Partner in a Project Proposal Consortium****Topic information****Please specify the Horizon Europe's topic that you are interested to participate as a partner in a project proposal consortium:**

- Topic Title: «HORIZON-MISS-2024-CANCER-01-03-Accessible and affordable tests to advance early detection of heritable cancers in European regions»
- Topic Identifier: HORIZON-MISS-2024-CANCER-01-01
- Call Opening date: 18 April 2024
- Call Deadline: 18 September 2024 17:00:00 Brussels time
- Type of Action:
- Research and Innovation Actions (RIA)
  - Innovation Actions (IA)
  - Coordination and Support Actions (CSA)
  - Programme Co-fund Actions (CoFund)
  - Other, please specify:

**Information on organisation profile, expertise and potential contribution****Organisation profile (brief description of your organisation, max 500 words):**

The Cyprus Institute of Neurology and Genetics (CING) is a national and regional center of excellence specializing in neurology, molecular biology and all aspects of human genetics. It has a professional management system including: A) The Information Technology (IT) office, which is responsible for the assistance, monitoring and management of the entire infrastructure of CING. B) The Research Office, which applies strategies and policies to maintain and increase its research funding. C) The Health and



Safety Office that includes the development, implementation and support of programs and procedures related to occupational health and safety, in accordance with EU and National legislation.

Since 2012, CING has established a postgraduate school open to students with research interests applicable to the Institute's activities and offers programs leading to MSc and PhD degrees. In 2015, CING has established the first Chair of Bioinformatics in Cyprus through a European H2020 ERA Chair grant (BIORISE, 2015-2020) that attracted talented scientists in the fields of informatics in medicine and biology. CING managed to attract several competitive grants from national and international organizations. Moreover, more than 1000 peer-reviewed publications came out from CING and many of them in high-impact factor journals. Through patient care at CING, research and educational programs have been developed on neurological and genetic conditions. CING, as the most advanced institution on Molecular Genetics in Cyprus, has all the facilities necessary for the successful completion of the project such as specialized molecular biology laboratories, advance mouse facility unit, molecular virology lab including biosafety level 2 unit and microbiological laboratory class I & II units, tissue culture facilities, Sanger DNA and Next Generation sequencing equipment's, real time PCRs, High Performance Liquid Chromatography, flow cytometry sorter and western blot developer. CING has the infrastructure to house a large number of transgenic mice with well-trained staff to ensure proper handling of the animals. The mice facility contains a surgical room for experimentation and the relevant tools essential for physiological studies on mice.

**Previous experience in national and European research and innovation programmes:**

The department of Molecular Genetics, Function and Therapy at CING under the direction of Prof Leonidas Phylactou Received funding from various organizations including the Muscular Dystrophy Group UK, The Anatomical Society of Great Britain and Ireland, BBSRC UK, The Wellcome Trust, A.G. Leventis Foundation, Muscular Dystrophy Campaign UK, Association Francaise Contre Les Myopathies, Human Frontiers Science Programme Organization, Research Promotion Foundation, Cyprus, Association for International Cancer Research and Genesis Pharma Ltd.

**Expertise offered (brief description of your organisation expertise, max 200 words):**

The Cyprus Institute of Neurology and Genetics (CING) is a leading research center in the Eastern Mediterranean region and offers a unique combination of expertise in three main areas:

**Neurology:** CING has specialists in a wide variety of neurological conditions, including epilepsy, multiple sclerosis, neuromuscular disorders, stroke and movement disorders. It provides diagnostic services, treatment and rehabilitation for patients.

**Genetics:** CING is a leader in genetic research and diagnostics in Cyprus. It offers a variety of genetic tests, including prenatal testing, carrier testing and diagnostic testing for a variety of genetic conditions. A dedicated team of genetic counselors and doctors can provide information and support to patients and families.

**Biomedical Sciences:** CING conducts innovative research in a variety of biomedical fields, including neurogenetics, endocrine disorders, cancer genetics and molecular biology. Its research is focused on developing new diagnostic tools and treatments for neurological and genetic diseases.

CING is also actively involved in educating future generations of healthcare professionals and partnering with other institutions to conduct research that will improve the lives of people with these conditions.

**Potential role(s) in the implementation of the project (more than one option can be selected):**

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|---|---|
| <input checked="" type="checkbox"/> Project management                                  | <input checked="" type="checkbox"/> Testing/validation of approaches and ideas        |
| <input type="checkbox"/> Communication, dissemination and engagement                    | <input checked="" type="checkbox"/> Prototyping and demonstration                     |
| <input checked="" type="checkbox"/> Provision of research and technology infrastructure | <input type="checkbox"/> IPR management incl. technology transfer                     |
| <input type="checkbox"/> Co-definition of research and market needs                     | <input type="checkbox"/> Public procurer of results                                   |
| <input type="checkbox"/> Civil society representative                                   | <input type="checkbox"/> Private buyer of results                                     |
| <input type="checkbox"/> Policy maker or regulator, incl. standardisation body          | <input type="checkbox"/> Finance provider (public or private)                         |
| <input checked="" type="checkbox"/> Research performer                                  | <input checked="" type="checkbox"/> Education and training                            |
| <input checked="" type="checkbox"/> Technology developer                                | <input type="checkbox"/> Contributions from the social sciences or/and the humanities |
| <input type="checkbox"/> Other, please specify:   |   |

## Contact Details

Contact person	Leonidas A Phylactou
Title	<input type="checkbox"/> Ms <input type="checkbox"/> Mr <input type="checkbox"/> Dr <input checked="" type="checkbox"/> Prof
Position in the Organisation	CEO and Medical Director
Organisation	The Cyprus Institute of Neurology and Genetics
Type of Organisation	Private non-profit
Address	6 Iroon Avenue, 2371 Ayios Dometios
Postcode/City	1683/Nicosia
Country	CYPRUS
Tel.	+357 22 392 660
Email	laphylac@cing.ac.cy
Web address	https://www.cing.ac.cy

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