



## Hosting offer for Marie Skłodowska-Curie Postdoctoral Fellowships (PF) 2022 at University of Cyprus / Department for History and Archaeology / Sylvia Ioannou Chair for Digital Humanities / Laboratory of Digital Humanities Geoinformatics

[MSCA Postdoctoral Fellowships](#) are individual research grants offering excellent postdoctoral researchers the chance to develop their skills by means of international mobility. Through the implementation of an original and personalised research project, MSCA Postdoctoral Fellowships aim to foster excellence through training and mobility and to equip researchers with new skills and competences in order to identify solutions to current and future challenges.

University of Cyprus / Sylvia Ioannou Chair for Digital Humanities / Laboratory of Digital Humanities Geoinformatics invites motivated postdoctoral researchers to jointly prepare an application for the [MSCA-PF-2022 call Marie Skłodowska-Curie Postdoctoral Fellowships](#) call ([MSCA-PF-2022](#)) with them as host organisation.

### **Description of Hosting organisation/group**

The Lab of Digital Humanities Geoinformatics (DigHumanities GeoInfo Lab) is supported by the Chair "Sylvia Ioannou" for Digital Humanities at the Department of History and Archaeology of the University of Cyprus.

The Lab is dealing with the application of cutting-edge technologies in Landscape Archaeology, Environmental Archaeology, Digital History, Monument Monitoring, and Cultural Heritage Risk Assessment and Modelling.

The Lab is involved in projects within the domains of Geographical Information Systems (GIS), Geoinformatics (Geophysical Prospection, Satellite Remote Sensing, Aerial Photography, and Photogrammetry), computational and statistical methods, 3D reconstructions, machine learning, and AI, etc.

Research of the Lab expands on an international level with emphasis on Cyprus, E. Mediterranean, and the Balkans. Beyond providing a hands-on experience and expert tools to students and professionals, the Lab is conducting high-level research and provision of services, which are supported by a number of high-tech instrumentation and computer facilities.

The Lab also supports the Master's program (Master of Science) on Digital Heritage and Landscape Archaeology.

<https://www.ucy.ac.cy/geoinfolab/the-lab>

### **Topics/expertise**

- Satellite Remote Sensing Applications in Archaeological Research
- Drone multispectral imagery and site detection
- Historical Landscape Characterization (HLC)
- Spatial tools of GIS analysis in Archaeology
- Digital History
- Settlement Pattern analysis
- Predictive modelling analysis in archaeology
- Environmental Risk Assessment of archaeological sites and monuments
- Data fusion and image fusion for aerial, geophysical, satellite images
- Machine Learning and Artificial Intelligence algorithms in geophysical data

- Deep mapping and Deep learning in archaeological research and digital History
- Time series analysis of satellite images for the monitoring of archaeological sites.

### **Your profile**

- Expected qualifications/expertise of the candidate: Prospective candidates must have completed their PhD degree in one of the following topics: Archaeology, History, Anthropology, or other related fields of research (e.g. History of Art, Architecture, Geography, Geology, Topography, Environmental Sciences, Biology, Physics, Chemistry, Computer Science, Engineering).
- You must have a completed PhD at the time of the call deadline (14 September 2022).
- Candidates must have a maximum of 8 years full-time research experience from the PhD award date until September 14, 2022. Periods of inactivity in research (e.g. unemployment, periods of employment outside research, parental or sick leave) do not count towards the time of research experience.
- For European fellowships, candidates can be of any nationality and must not have resided or carried out their main activity (work, studies, etc.) in Cyprus for more than 12 months in the 36 months immediately before September 14, 2022.
- Highly motivated candidate with an excellent research track record appropriate to career stage, as evidenced by academic publications and other scientific output.

### **What we offer**

- Support and guidance for the preparation of your MSCA PF proposal
- A stimulating, interdisciplinary environment for high-level research.
- State of the art geophysical equipment.
- A large range of national, European and International Networks.
- Academic staff covering a wide range of archaeological, historical and technical topics.
- International Mobility opportunities.

### **How to apply?**

Indicate your interest by contacting the host institution as follows:

Please contact Prof. Apostolos Sarris ([asarri01@ucy.ac.cy](mailto:asarri01@ucy.ac.cy)) by email with a short CV and motivation to indicate your interest to prepare a MSCA-PF application.

After the supervisor agrees to support you as a MSCA-PF candidate, you can start preparation of MSCA PF project proposal and will be supported further by the Research Support Office of the host university.

For more information please contact the MSCA coordinator of the host institution: <https://www.ucy.ac.cy/internationalsupport/>