

Programme Form

To activate the following research programme within the PhD programme in **Cognitive Sciences**, funded as stated in DM n. 351/2022, in relation to the following action:

M4C1- Inv. 3.4 “Didactics and advanced university competences” → **PhDs for the digital and environmental transitions.**

M4C1- Inv. 4.1 “Increase of the number of PhD programmes and innovative PhDs for the public administration and the cultural heritage”. In particular:

PNRR PhDs

PhD Programmes for the Public Administration

(select the CUN area/s to which the programme refers among those listed below)

- Area 09 – Information and industrial engineering
- Area 11 – Historic, philosophical, education and psychological sciences
- Area 12 – Law
- Area 13 – Economic and statistical sciences
- Area 14 – Political and Social Sciences

PhDs for the cultural heritage

(select the field area/s and the theme of the programme among those listed below)

- heritage Area 01 – Informatics and mathematical sciences **Theme** – Informatics, cultural property and
- Area 02 – Physics **Theme** – Physics applied to cultural heritage and cultural property
- heritage Area 03 – Chemistry **Theme** – Chemistry, environment, cultural property and heritage
- Area 04 Earth sciences **Theme** – Earth mineral resources for the environment, cultural property and
- Area 05 Biological Sciences **Theme** - Ecology, cultural property and heritage
- Area 08 – Civil engineering and Architecture **Themes** 1) Architecture, man-made environment, cultural property and heritage 2) Architecture and landscape 3) History of architecture; 4) Restoration; 5) Planning and design of the man-made environment; 6) Design and technological design of architecture
- Area 10 Sciences of antiquity, philological-literary and historical-artistic **Themes** 1) Archaeology; 2) Art history; 3) Media, cultural property and heritage
- Area 11 – Historic, philosophical, education and psychological sciences **Themes** 1) Librarian; 2) Archivistica; 3) History of cultural property and heritage 4) Palaeography; 5) Aesthetics; 6) Didactics of art; 7) pedagogy of Art
- Area 12 – Law **Theme** Cultural heritage law
- Area 13 - Economic and statistical sciences **Themes** 1) Economics of culture and art 2) Economics and management of artistic and cultural activities; 3) Statistics and Data Analytics for cultural property
- Area 14 Political and social sciences **Themes** 1) Sociology of cultural property 2) Territory and environmental sociology

❖ **Research programme title:** ORGANIZATIONAL COMMUNICATION PROCESSES AND DIGITAL INNOVATION TO FAVOR A NEW RELATIONSHIP WITH PATIENTS

❖ **Description** (MAX 5000 characters excluding spaces):

The COVID-19 pandemic has challenged the National Health System, the public administration and people working in and operating with them. Some of these challenges were logistics, such as the lack of resources, and they required resorting to new resources. The exit from the emergency state entails additional challenges at the financial, administrative and organizational levels for the health institutions and the involved actors. Accordingly, there is a need of analyses and tools to face and prevent the current problems and the future potential issues, imbalances, and inequalities (e.g., Ciardo, 2020).

The goal of this project is to analyze the needs and the information flows between the different actors involved in the provision and use of the public health services. This would provide the basis for interventions aimed at making health-related public organizations' communication and action more efficient. The project will adopt a framework of promoting social inclusion in terms of preventing inequalities (e.g., in treatment access). In particular, the project will focus on the impact that the introduction and use of information and communication technologies (e.g., platforms to book an appointment and to visualize personal data) have on the patient-physician relationship, the provision, the use, the efficacy, and the appropriateness of the services. Within a multidisciplinary perspective, which characterizes the PhD programme in Cognitive Sciences within which this project is proposed, the analysis will consider different levels: from the organizational level (e.g., roles, hierarchies and management of information flows) to the psychological level (e.g., technology usability).

Through qualitative and quantitative methods, the project will investigate the needs of the involved actors (e.g., physicians, patients, family members and caregivers), the promoting factors and the (financial, psychological) barriers to the use of information and communication technologies in the public health organization systems. Within this framework, the project envisages a partnership with the Azienda Ospedaliera Universitaria Federico II.

The project can have an impact on the way the digital transition is carried out in the public health organizational systems, which will be able to use the project results to optimize their communication and action. Within this perspective, it will be possible to prevent potential issues and errors within the public health-related organizational systems maintaining a framework of social inclusiveness, that is, considering equality of treatment access and availability of services to individuals with different characteristics and conditions (e.g., different age groups and different socio-economic status).

The studies will be pre-registered on platforms such as *Open Science Framework* (<https://osf.io/>). They will also be conducted in line with the *Open Science* practices promoted by the University of Messina through its participation to the *Italian Reproducibility Network* (ITRN, <https://www.itrn.org/>). The ITRN is a multidisciplinary network that aims at spreading the knowledge and the adoption of research practices that are transparent and aimed at research reproducibility. Accordingly, the ITRN is a privileged dissemination mode in addition to: publications in national and international scientific journals; seminars and workshops that involve the different actors of the health organizations and institutions; creation of guidelines that facilitate management and communication within the public health organizational systems.

❖ PERIOD IN THE COMPANY – RESEARCH CENTRES – P.A.:

The research programme will be conducted in collaboration with the following body:

Company name: **Azienda Ospedaliera Universitaria Federico II**

Registered office: **Via Pansini 5, 80131 Napoli**

Legal representative: **Avv. Anna Iervolino general manager AOU Federico II**

The above-mentioned body will host the PhD student funded by means of the resources of DM 351/2022 for **6 months** during the PhD programme.

❖ **PERIOD ABROAD:**

The research programme encompasses a 6-month period abroad at the following institution:

Università di Murcia

The present programme complies with the principle of “not significantly harming” (DHSH) in line with the art. 17 of the regulations (UE) 2020/852 consistently with the technical orientations set by the European Union (Communication of the European Commission 2021/C58/01) and it ensures that PNRR horizontal principles are met (contribution to the climate and digital goal, tagging, the gender equality principle and the requirement to protect and value the youth).