

Sapienza training offer on soft skills for PhD students

According to the main principles of the **European Charter of Researchers and other European Research Policies relevant to ERA**, in 2019 Sapienza University launched a **training program to increase soft skills** aimed at valorising the training **path of doctoral students** with a focus on future **non-academic career**. The training offer **enriches the curriculum of doctoral students** and promotes greater autonomy and awareness of the tools to support their career, thus **enhancing the human capital employed in research activities**. The 2021 edition developed as part of the actions included in Sapienza **HRS4R (Human Resources Strategy For Researchers)**, represents an occasion for **interdisciplinarity and contamination** among PhD students from any scientific area. **In the context of the CIVIS and RIS4CIVIS projects, 5 courses** will be held in English and will be open to PhD students from other CIVIS institutions in order to foster Sapienza's **contribution for structuring the Alliance** and to create concrete opportunities for **knowledge exchange, networking and virtual mobility among CIVIS Partners**. The **on-line courses – hosted by the Zoom platform – will be recorded** and specific documentation will be provided to participants.

Participation in each course is limited to a maximum number of 25 PhD students for each CIVIS university.



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- The **on-line courses – hosted by Zoom platform - will be recorded** and related documentation will be provided to participants.
- It is possible to register to the courses until **October 22th, 2021**.
- Here the **registration form** for the courses: <https://forms.gle/3wjSpWn4H7Eaauu5>.
- After October 22th, all subscribers will receive the Zoom link to participate in the courses

PRESENTATION EVENT

**November
5th 2021**

**h. 12:00-
13:00**

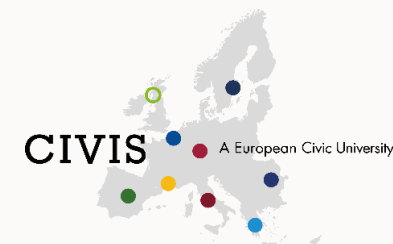
- **Prof.ssa Gabriella Pasqua**, Deputy Rector for Higher Education
- **Prof. Marco Oliverio**, Deputy Rector for Quality and Enhancement of research activities & coordinator of Sapienza HRS4R Scientific Committee HRS4R
- **Dott.ssa Apostolia Karamali**, Head of the Research and Innovation Actors and Research Careers unit at the Directorate-General for Research and Innovation - European Commission
- **Dott. Ciro Franco**, Head of Research Office and Coordinator of Sapienza HRS4R Management Board
- **Dott.ssa Romina Caronna**, Head of PhD Unit
- **Dott. Diego Sebastiani**, Representative of ADI - Association of PhD Students and Research Doctors in Italy



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- **The entire training offer on soft skills will be illustrated during a presentation event, scheduled for November 5th at 12:00 PM, via Zoom**
- **Here the registration form for the presentation event : <https://forms.gle/3wjSpvWn4H7Eaauu5>**
- **Those registered will receive, after October 22th, the Zoom link to participate in the event**

MODULE	SPEAKERS FROM SAPIENZA OFFICES	PROFESSORS	CONTENTS	WHEN
Domain A. R&I project writing				
1. Collaborative project writing and networking in the context of Horizon Europe. Services and tools for supporting researchers	Dott. Emanuele Gennuso	Prof. Fabio Sciarrino Prof. Luca Persia Prof. Marino Bonaiuto Prof. Mauro Majone	Overview on the main opportunities for research and innovation collaborative projects financed by the Horizon Europe Programme; EU R&I funding instruments for the period 2021-2027. Main topics: Structure of Horizon Europe and implementation strategy; Rules of eligibility and participation; How to identify a call for proposal; How to plan and write a successful collaborative project. Practical suggestions from professors with direct experience as scientist in charge of research projects financed by European Union, under different programmes and thematic areas	5/11/2021 h. 14:30-17:30 Module in English Open to other CIVIS institution PhDs
2. Evaluation processes in EU R&I funding programmes	Dott. Ciro Franco	Prof. Fabio Babiloni Prof. Stefano Ricci	The Course will focus on a shift of the applicant approach from researcher's perspective to the European Commission point of view, highlighting strengths and weaknesses of a project proposal from the evaluator point of view. More in detail, the objective is to evidence the evaluator's approach and the awareness about evaluation processes as key aspects to a successful proposal	17/11/2021 h. 9:30-11:30 Module in English Open to other CIVIS institution PhDs
Domain B. Scientific calculation tools and Big data				
1. Introduction to Python programming		Prof. Mauro Valorani Dott. Gael Cascioli	Introduction to Scientific Calculation tools and Big Data (Prof. M. Valorani). The aim of this course is to provide an introduction to the advantages of using Python for data science, scientific computing and scripting automation. The course will enable its participants to get started with Python, its fundamental data structures and basic operations. At the end of the course the participants will be able to develop programs to face simple numerical and scripting problems (Dott. G. Cascioli)	30/11/2021 h. 9:30-12:30 Module in English Open to other CIVIS institution PhDs
2. Introduction to Machine Learning (ML)		Prof. Fabrizio Silvestri	Machine Learning (ML) is at the basis of most of the modern technologies used in everyone's life. The basic concept of ML and Neural Networks will be presented, including a brief overview of mathematical and statistical underpinning. The course will introduce by a practical approach concepts related to Linear Models, and Neural Network models to deal with non-linear, more realistic, problems	1/12/2021 h. 9.30-12.30 Module in English Open to other CIVIS institution PhDs
3. Introduction to PyTorch		Prof Fabrizio Silvestri	PyTorch is a framework developed by Facebook with contributions from open-source community. It is used mainly to develop neural network models. PyTorch strengths reside in its ease of use and in its rich ecosystem of developed solutions. The course will focus on some code examples with solutions to real problems on datasets available online. The course will also show the well-known MNIST dataset for the classification of handwritten digits	2/12/2021 h. 9.30-11.30 Module in English Open to other CIVIS institution PhDs

For information:

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