

Sapienza training offer on soft skills for Early Stage Researchers

According to the main principles of the **European Charter of Researchers and other European Research Policies relevant to ERA**, in 2022 Sapienza University launched a training program to increase soft skills aimed at valorising the training path of early stage researchers, with a focus on future non-academic career. The training offer enriches the curriculum of early stage researchers and promotes greater autonomy and awareness of the tools to support their career, thus enhancing the human capital employed in research activities. The 2022 edition developed as part of the actions included in Sapienza **HRS4R (Human Resources Strategy For Researchers)**, represents an occasion for interdisciplinarity and contamination among early stages researchers from any scientific area. In the context of the **RIS4CIVIS projects**, 6 courses will be held in English and will be open to early stage researchers from other **RIS4CIVIS** 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 **RIS4CIVIS** Partners. The offer will also be addressed to all participants of the **ROME TECHNOPOLE** project, the regional innovation ecosystem, multi-technological hub for teaching, research and technology transfer in the sectors of energy transition and sustainability, digital transformation and in the bio-pharmaceutical and health fields.

The on-line courses – hosted by the Zoom platform – will be recorded and specific documentation will be provided to participants.



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- The **on-line courses – hosted by Zoom platform - will be recorded** and related documentation will be provided to participants.
- The application deadline is **October 21th, 2022**.
- Here the **registration form** for the courses: <https://phd.uniroma1.it/dottorati/>
- All subscribers will receive the Zoom link to participate in the courses

PRESENTATION EVENT

- Participation of Sapienza University of Rome's Rector
Antonella Polimeni
- **Prof.ssa Gabriella Pasqua**, Deputy Rector for Higher Education
- Prof.ssa **Patrizia Trovalusci**, Delegate of International PhD
- **Prof. Marco Oliverio**, Deputy Rector for Quality and Enhancement of research activities & coordinator of Sapienza HRS4R Scientific Committee HRS4R
- **Dott. Michele Rosa-Clot**, IT Portfolio Officer, Human Resources Strategy for Researchers HRS4R – *“Charter & Code and HRS4R: present state and future perspectives”*
- **Dott. Ciro Franco**, Head of Research Office and Coordinator of Sapienza HRS4R Management Board
- **Dott.ssa Romina Caronna**, Head of PhD Unit
- **Dott.ssa Dragana Avramov**, Scientific Coordinator of NESET, Network of Experts working on the Social dimension of Education and Training - *Soft skills necessary for maximizing impact of scientific research and training.*
- **Dott. Diego Sebastiani**, Representative of ADI - Association of PhD Students and Research Doctors in Italy

**November
4th 2022**

h. 11:00-13:00



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- Presentation event scheduled for November 4th at 11:00 AM, at the Rectorate's Aula Magna
- Here the registration form for the presentation event :
<https://phd.uniroma1.it/dottorati/>
- The application deadline is October 21th, 2022.

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.ssa Francesca Apollonio Prof. Marino Bonaiuto Prof. Fabio Sciarrino Prof.ssa Marianna Villano	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 programs and thematic areas	4/11/2022 h. 14:30-17:30 Module in English Open for PhD students of RIS4CIVIS institutions
2. Evaluation processes in EU R&I funding programmes	Dott. Ciro Franco	Prof. Alessandro Saggioro Prof.ssa Alessandra Della Torre	The Course will be focused on a shift of the applicant approach from researcher's perspective to the European 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	18/11/2022 h. 11:00-13:00 Module in English Open for PhD students of RIS4CIVIS institutions
Domain B. Scientific calculation tools and Big data				
1. Introduction to ML/DL and to Pytorch		Prof. Mauro Valorani Prof. Fabrizio Silvestri	The Module will include the main concepts, topics and ideas relating to Machine Learning and how they extend to Deep Learning. The session will be aimed at introducing Pytorch as the main framework that will be used during the rest of the minicourse.	30/11/2022 h. 9:30-12:30 Module in English Open for PhD students of RIS4CIVIS institutions
2. From linear Regression to Deep Models using Neural Networks		Prof. Fabrizio Silvestri	The aim is to show, using Pytorch, how to build by the use of Pytorch a first deep learning model (namely a deep multilayer perceptron) using the same building blocks as in simpler models such as linear regression.	1/12/2022 h. 9.30-12.30 Module in English Open for PhD students of RIS4CIVIS institutions
3. Advanced Deep Learning		Prof. Fabrizio Silvestri	In the last part of the module, a first pipeline, that will label images using deep convolutional neural networks, will be built. This will serve as the first example of what a deep learning models are capable of doing.	2/12/2022 h. 9.30-11.30 Module in English Open for PhD students of RIS4CIVIS institutions

MODULO	RELATORI	DOCENTI SAPIENZA	CONTENUTI	DATE E DETTAGLI
Domain C. Research Data Management				
Publications and research data: Open Access	Dott. Enrico Dotti Dott.ssa Maryjoan Crowley		Introduction to Open Access: brief history, the different models (green road and gold road), advantages of open access. Brief illustration of the Sapienza policy on open access. Open data: from data sharing to Intelligent data openness. Pros and cons of data sharing. How much are scientific research data shared?	17/11/2022 h. 14.30-15.30 Module in English Open for PhD students of RIS4CIVIS institutions

For information:

Research Support Office (Sapienza Università di Roma) – ciro.franco@uniroma1.it