Training program on soft skills targeted to Early Stage Researchers – 2025

According to the principles of the **European Charter of Researchers** and main European Research Policies concerning the **European Research Area**, Sapienza Università di Roma is launching a training programme 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 2025 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 **CIVIS** project, 8 courses will be held in English and will be open to Early Stage Researchers 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 offer will be also addressed to all participants of the **ROME TECHNOPOLE project**, Lazio 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.

In the final part of each module, participants will access a short test aimed at verifying their level of learning in relation to the contents presented during the module. Positive feedback on the majority of questions will allow participants to receive an attendance certificate.

For information on how to register and participate in the courses, please consult the following web page:

https://www.uniroma1.it/en/pagina/sapienza-training-soft-skills-young-researchers

SAPIENZA
UNIVERSITÀ DI ROMA

HR EXCELLENCE IN RESEARCH

civis
Europe's Civic University Alliance

Finanziato dall'Unione europea
NextGenerationEU

ROME TECHNOPOLE
INNOVATION ECOSYSTEM

Training Module Title	*Speakers*	*Sapienza professors*	*Contents*	*Time schedule*
Thematic Area A. R&I project design				
1. Collaborative project writing and networking in the context of Horizon Europe. Services and tools for supporting researchers	Ciro Franco Emanuele Gennuso	Prof. Fabio Sciarrino Prof.ssa Barbara Staniscia Prof. Francesco Creta	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; How to identify a call for proposal; How to plan and write a successful collaborative project. The Module will also include an overview on the process related to Human Resources Strategy For Researchers and the action plan implemented by Sapienza	**10/11/2025** **h. 10:00 – 13:00**
2. Educational and research potential within CIVIS, Europe's Civic University Alliance	Mattea Capelli Melissa Viselli	Prof. Stefano D'Amelio	The module provides an overview of the initiatives that the CIVIS-Europe's Civic University Alliance makes available to PhD candidates and early-stage researchers. From short-term courses to micro-programmes, from cotutelles to the Memorandum of Understanding on the use of infrastructures within the Alliance, PhDs will be able to learn about the international opportunities that would best suit their academic and research path.	**11/11/2025** **h. 11:00 – 13:00**
4. Evaluation processes in EU R&I funding programmes	Ciro Franco	Prof.ssa Alessandra Della Torre Prof. Alessandro Saggioro Prof. Fabio Babiloni	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 research project proposal	**21/11/2025** **h. 11:30 - 13:30**
5. European R&I individual funding schemes	Giuditta Carabella Dott.ssa Elisa Gigliarelli	Prof. Fabio Sciarrino Dott.ssa Susana Marín Aguilar	In the current dynamic context of the Knowledge Economy and the European Research Area, researchers are increasingly called upon to have new skills, beyond those acquired through "traditional" university education. In particular, the module intends to provide an overview of the main individual funding scheme at European level and show to young Sapienza researchers which are the first steps to undertake should they wish to participate in a competitive European call	**27/11/2025** **h. 11:00 - 13:00**

Training Module Title	*Speakers*	*Sapienza professors*	*Contents*	*Time schedule*
Area tematica 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	**10/12/2025** **h. 15:00 – 18:00**
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	**12/12/2025** **h. 10:30 – 12:30**
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	**12/12/2025** **h. 15.00 -17.00**
Area tematica C. Research Data Management				
1. Publications and research data: Open Access	Ezio Tarantino		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 and opportunities: transformative agreements @ Sapienza (pros & cons). Open data. How much are scientific research data shared?	**13/11/2025** **h. 14:30-15:30**

For more information:

Ufficio Formazione Post-lauream – romina.caronna@uniroma1.it; samantha.maruzzella@uniroma1.it; softskills.phd@uniroma1.it

Ufficio Progettazione e gestione Ricerca internazionale – ciro.franco@uniroma1.it