



**CROSS-CUTTING LEARNING ACTIVITIES  
FOR DOCTORAL STUDENTS AT THE UNIVERSITY OF PISA  
AND OTHER HIGHER EDUCATION ACTIVITIES**

Academic Year 2021/22

## CONTENTS

- CROSS-CUTTING LEARNING PROGRAMMES FOR DOCTORAL STUDENTS AT THE UNIVERSITY OF PISA AND OTHER HIGHER EDUCATION ACTIVITIES
- **UNIT I** – OPEN SCIENCE: FROM THEORY TO PRACTICE
- **UNIT II** – STATISTICAL SKILLS
- **UNIT III** – SOFT SKILLS
- **UNIT IV** – THE SOCIAL IMPACT OF RESEARCH AND THE ROLE OF RESEARCHERS: THEORY AND APPLICATIONS OF RESPONSIBLE RESEARCH AND INNOVATION
- **UNIT V** – EU FUNDINGS FOR RESEARCH AND INNOVATION AND PROJECT PROPOSAL WRITING
- **UNIT VI** – ENGLISH FOR RESEARCH PUBLICATION AND PRESENTATION PURPOSES
- TIMETABLE
- CAREER LABS FOR DOCS
- SEMINAR – PREDATORY MAGAZINES: HOW TO RECOGNISE AND AVOID THEM

## INFO AND CONTACTS

### Cross-cutting learning programmes for PhD students

As part of the enrolment process, you will need to access the Moodle portal with your credentials up to one week before the beginning of each module and reserve your place. You will be contacted a week in advance of the start of each course with all the information relating to the timetable, the classroom – which will be reserved based on the number of bookings – and you will receive any teaching materials available. For the timetable, follow the link

<https://dottorato.unipi.it/index.php/it/dottorandi/item/609.html>

- To enrol on courses: <https://phd.elearning.unipi.it/>
- For information on cross-cutting learning programmes: <https://sportellovirtuale.unipi.it>

**CROSS-CUTTING LEARNING PROGRAMMES FOR DOCTORAL STUDENTS  
AT THE UNIVERSITY OF PISA  
AND OTHER HIGHER EDUCATION ACTIVITIES**

At the University of Pisa we have a constantly evolving portfolio of cross-cutting academic courses on offer to our doctoral students. Our aim is to target education and training programmes to the current needs of state-of-the-art research fields and to the requirements of the labour market at an international level. The courses implemented this year will integrate subjects useful to develop specific skills, enhance outcomes and improve linguistic, statistical and computer skills. In addition, with the aim of creating new opportunities for discussion and reflection among doctoral students from different areas, we are proposing interdisciplinary paths that have arisen in the most promising areas of research and development at our University. The programme presented here has also been developed taking into account the observations of the Italian Agency for the Evaluation of University and Research (ANVUR) with regard to the Soft Skills Training profile that is considered most suitable for a third-level university degree, and in light of the results of the evaluations expressed by PhD students of the past years in terms of participation, interest and recognized usefulness for their research.

Our educational offer has been conceived in such a way as to enhance the characteristics and peculiarities of the PhD Programmes implemented in this Academic Year. Seminars have been designed to suit the attendees' educational backgrounds and their varying previous knowledge of the disciplines and contents taught, as well as their different English language levels. Diversifying between Scientific-Technological, Engineering and Mathematical Sciences (STEM) and Social Sciences and Humanities (SSH) will allow for more relevant and undoubtedly more useful in-depth studies, including methodological ones, that will also be of greater interest to the participants.

In addition to the courses listed below, PhD students will have the opportunity to attend the action-learning seminars offered within the framework of the ContaminationLab Project in Pisa (Phd+ and CYB+), as well as the Career Labs for Docs organized by the Career Service and the seminars on European projects run by the Research Services Unit of the University of Pisa. In order to minimize the impact of cross-cutting teaching activities and limit the overlap with specialist PhD courses, all seminars will be held in person, but will also be available in streaming.

The courses are free and open upon registration to all doctoral students of the University, from all cycles. Once you have attended, you will be able to have the seminars recorded in your *curriculum studiorum*.

The Delegate to the PhD Programme  
University of Pisa  
Professor Marcella Aglietti

## UNIT I

OPEN SCIENCE AND RESEARCH  
DATA MANAGEMENT

OPEN SCIENCE: FROM THEORY TO PRACTICE

**Coordinator:** Leonardo Candela (ISTI – CNR)

**Lecturers:** Leonardo Candela, Emma Lazzeri (ISTI – CNR), Maria Chiara Pievatolo (University of Pisa), Gina Pavone (ISTI – CNR), Paolo Manghi (ISTI – CNR)

**Duration:** 30/40 hours

**Running period:** May / June 2022 (dates to be defined)

**Working language:** Italian with slides in English

**Prerequisite knowledge:** None required; introductory course; programme for STEM and SSH doctoral students

**Description:** Open Science is a way of doing research based on transparency and collaboration that aims at removing access barriers and facilitating the dissemination of knowledge. Specifically, applying the principles of open science to everyday scientific work may entail the need for suitable methods and tools that are often specific to disciplines and research areas. The course is designed to give a basic understanding of how to apply the principles of Open Science and Open Access to “doing science”.

### Module 1. INTRODUCTION TO OPEN SCIENCE

**Lecturers:** E. Lazzeri, Maria Chiara Pievatolo

**Description:** This module introduces the concept of open science and its many instances. It provides the rationale for its establishment and diffusion by analysing changes in academic communication, the motives and policies of funding organisations and the criteria for evaluating research.

1. Why Open Science?
2. Research Evaluation
3. History of Scholarly Communication
4. Research Funders and Open Science
5. Responsible Research and Innovation and Open Science

## Module 2. OPEN ACCESS PUBLISHING

**Lecturers:** Emma Lazzeri, Maria Chiara Pievatolo

**Description:** This module provides a holistic overview of open access publishing practices. In particular, it offers insights into how publishing practices should be implemented in order to promote open science, how open access can be implemented in academic publishing, and what its effects are at the peer review stage.

1. Dissemination, Communication and Exploitation of research results
2. A research article lifecycle
3. Copyrights
4. The roads to Open Access (Green, Gold, Diamond, etc.)
5. Repositories
6. Open Access publishing models (ORE, Institutional, Community, etc.)
8. Open Peer Review
9. Open Access Books and other research literature

## Module 3. RESEARCH DATA MANAGEMENT: WHY?

**Lecturer:** Maria Chiara Pievatolo

**Description:** This module provides a holistic overview of the challenges to be faced in managing research data. It describes how data should be archived, catalogued and documented in order to make their access effective for open science.

1. Introduction to data management
2. The research workflows

## Module 4. FAIR PRINCIPLES AND APPLICATION

**Lecturer:** Gina Pavone

**Description:** This module provides an overview of the Findable, Accessible, Interoperable, and Reusable (FAIR) principles and examines how they can be implemented in practice. It also explores how these principles, when oriented towards data analysis, can be used and related to other research outputs, e.g. Software.

1. What are the FAIR principles
2. Documentation
3. Metadata
4. PID
5. Data Formats
6. Data Access – Open Access to data
7. Legal and ethical aspects
8. FAIRification of Other research outputs (software, etc.)

## Module 5. DATA MANAGEMENT PLAN

**Lecturer:** Gina Pavone

**Description:** This module focuses on the production of Data Management Plans, i.e. documents specifically designed to describe the data management practices and approaches underlying a specific project or initiative. It provides concrete examples and illustrates methodologies and tools to support the correct formulation of a DMP. During this module, students will have the opportunity to draft a real DMP for a project of their choice.

1. What is a DMP and why you need one
2. Checklist for DMP
3. DMP tools

## Module 6. EOSC AND RESEARCH INFRASTRUCTURES

**Lecturer:** Paolo Manghi

**Description:** This module provides a comprehensive overview of the activities that develop the infrastructure to support (open) science. In particular, the course will present the state of the art and future developments envisaged by the European Open Science Cloud, a large infrastructure offering services and resources that facilitate the implementation of Open Science.

1. EOSC: What's in it for me
2. ESFRI Research Infrastructures: How they can help in embedding OS in the research workflow

## Module 7. OPEN SCIENCE PROFESSIONALS

**Lecturer:** Emma Lazzeri

**Description:** This module describes the new professionals and their competencies arising from the Open Science ecosystem. The roles of data stewards, ELSI experts, data curators and infrastructure professionals will be described, and their skills and responsibilities will be carefully examined.

1. Data steward
2. ELSI expert
3. Data curator
4. Infrastructure professional

## Module 8. VIRTUAL RESEARCH ENVIRONMENTS

**Lecturer:** Leonardo Candela

**Description:** This module provides an introductory analysis of virtual research environments and how these solutions facilitate the implementation of Open Science practices. Concrete examples and case studies will be presented and discussed.

1. The perfect tool for Open Science
2. Types of VRE

# UNIT II

## STATISTICAL SKILLS

**Coordinator:** Paolo Frumento (University of Pisa)

**Lecturers:** Francesco Schirripa Spagnolo (University of Pisa), Paolo Frumento (University of Pisa)

**Duration:** 6 hours

**Running period:** 16-17 May 2022

### Module 1. THE ROLE OF STATISTICS IN RESEARCH

**Working language:** English

**Prerequisite knowledge:** No previous knowledge of statistical methods is required; programme for STEM and SSH doctoral students.

**Description:** The module introduces statistical reasoning, statistical terms used in research studies (sample size, margin of error, correlation and causation), and issues related to the misuse of statistics. Examples and applications in the fields of technical, engineering and medical sciences will be presented.

**Date:** 16 May 2022

**Duration:** 3 hours

**Lecturer:** Francesco Schirripa Spagnolo (University of Pisa)

### Module 2. STATISTICS AND CAUSALITY

**Working language:** English

**Prerequisite knowledge:** Familiarity with traditional statistical methods and the concept of probability is required; Programme for STEM and SSH doctoral students.

**Description:** The need to evaluate causal relationships arises in many disciplinary fields. The module introduces you to the theoretical and application aspects of causal inference, and to the analysis of experimental and observational data. Examples and applications in the field of technical, engineering and medical sciences will be presented.

**Date:** 17 May 2022

**Duration:** 3 hours

**Lecturer:** Paolo Frumento (University of Pisa)

# UNIT III

## SOFT SKILLS

### 1. IT TOOLS FOR DOCTORAL RESEARCH

**Working language:** English (when required)

**Prerequisite knowledge:** None required

**Description:** The course will illustrate the main IT tools available to PhD students at the University of Pisa to support research activities in the STEM area (network potential, computer tools and software for archiving, file transmission, communication, audiovisuals, data analysis, etc.), as well as offer useful suggestions based also on the participants' research needs.

**Dates:** 2–3 February 2022 for SSH doctoral students; 10 February 2022 for STEM doctoral students.

**Duration:** 4 hours

**Lecturer:** Antonio Cisternino (University of Pisa)

### 2. RESEARCH FINDINGS: ACCESS, DISSEMINATION AND EVALUATION

**Coordinator:** Gabriella Benedetti (University of Pisa)

**Working language:** Italian with slides in English

**Prerequisite knowledge:** Basic knowledge of information retrieval techniques

**Description:** This course addresses issues related to the procedures for accessing, disseminating and evaluating research findings.

**Duration:** 9 hours

#### Module 1. DISSEMINATION OF SCIENTIFIC RESEARCH: MATERIALS AND METHODS

**Description:** Main methods of dissemination of research products while respecting authors' and publishers' copyrights, research ethics, open access, Creative Commons licenses, copyright, plagiarism, characteristics and objectives of the "ARPI" Institutional Repository.

**Date:** 2 February 2022

**Duration:** 3 hours

**Lecturers:** Chiara Letta (University of Pisa), Sandra Faita (University of Pisa)

**Description for STEM PhD students:** Deposit of research findings into ARPI in relation to their dissemination and management of evaluation procedures, with particular reference to STEM disciplines.

**Date:** 10 February 2022

**Duration:** 3 hours

**Lecturers:** Chiara Letta (University of Pisa), Raffaella Sprugnoli (University of Pisa)

**Description for SSH PhD Students:** Deposit of research findings into ARPI in relation to their dissemination and management of evaluation procedures, with particular reference to SSH disciplines.

**Date:** 7 February 2022

**Duration:** 3 hours

**Lecturers:** Simona Turbanti (University of Pisa), Francesca Cecconi (University of Pisa)

### 3. GENDER ISSUES AND UNIVERSITY, RESEARCH, EDUCATION AND INSTITUTIONAL ENGAGEMENT

**Coordinator:** Elettra Stradella (University of Pisa)

**Prerequisite knowledge:** None required. The course, which is open to doctoral students from all years, runs different lectures for SSH and STEM PhD students, who are also divided into working groups.

**Description:** The course aims at providing doctoral students with cross-cutting knowledge on gender distribution in scientific research and in the approach to research, besides urging them to reflect on the critical issues impacting on the university in terms of equal opportunities in academic careers, gender discrimination in research, and tools to promote equality and enhance differences in research and teaching.

**Dates:** 22 November 2021 (rescheduled class for Module 1: 26 January 2022) and 14 February 2022

**Duration:** 12 hours

**Lecturers:** Nadia Pisanti (Department of IT – Coordinator of the University Working Group on Gender Balance, University of Pisa)

Silvia Cervia (Department of Political Science, University of Pisa)

Lucia Pallottino (Department of Information Engineering, University of Pisa, Deputy Director of Centro Piaggio)

Renata Pepicelli (Department of Civilization and Forms of Knowledge – Member of the CUG, Equal Opportunities Committee, University of Pisa)

Elettra Stradella (Department of Law, University of Pisa)

## Module 1. INTRODUCTION AND INITIAL ANALYSES

**Languages:** Italian and English

**Description:** The first part, which is common to STEM and SSH, will focus on the analysis of the concept of gender and on gender distribution as a transdisciplinary approach to research. It will present a data analysis report and monitoring evaluation of women's careers, especially in the scientific-technological field. We will focus on the Gender Balance Report tool in Universities, with particular regard to functions and experiences.

In the second part, after frontal lectures delivered by academics in their respective areas on the methodological approaches to research including gender-related issues and on the theme of gender breakdown of male and female researchers, a discussion will be opened with the participants starting from the presentation of their research projects and lines of research. This will be the basis for a personalized work programme that will be carried out by indicating/assigning to each one some (content) materials for further study that will be discussed during the second day of the course.

**Date:** 22 November 2021

**Duration:** 8 hours (4 hrs in the am session + 4 hrs in the pm session)

## Module 2. Thematic and disciplinary in-depth analysis

**Languages:** Italian and English

**Description:** Learning paths built around specific areas of interest, in which lecturers will deal with stereotypes and transformations in training in the field of technology, and with gender as a method and possible perspective of scientific research.

The module adopts a flipped classroom approach: groups of PhD students formed on the first day of the course will present their considerations and in-depth analyses carried out in the weeks between the two days of the course.

**Date:** 14 February 2022 (morning)

**Duration:** 4 hours (2 hrs for the first part + 2 hrs for the second part)

## UNIT IV

THE SOCIAL IMPACT OF RESEARCH AND THE ROLE OF RESEARCHERS:  
THEORY AND APPLICATIONS OF RESEARCH AND RESPONSIBLE  
INNOVATION

**Coordinator:** Enza Pellecchia (University of Pisa)

**Lecturers:** Gianluca Brunori, Maria Luisa Chiofalo, Simone D’Alessandro, Francesco Di Iacovo, Roberto Gronda, Valentina Mangano, Sonia Paone, Enza Pellecchia, Luigi Pellizzoni, Eleonora Sirsi, Matteo Villa.

**Dates:** 28 January 2022, 4 February 2022 and 15 February 2022

**Prerequisite knowledge:** Course open to PhD students from all years; some preparatory reading will be required in advance of the course.

**Duration:** 12 hours

**Description:** The RRI-Responsible Research and Innovation approach has been defined by the European Commission in order to make the research and innovation activity “responsible”, which includes the active involvement of all societal actors (researchers, citizens, third-sector organisations, policy makers, business and enterprises) during the whole research and innovation process. The aim is to reduce the distance between science and society, aligning research outcomes with the values, needs and expectations of European society through approaches capable of taking into account social and ecological implications right from start in the definition of the project idea.

The RRI approach has six thematic elements: active citizen involvement; science education; gender issues; ethics; open access to scientific research findings; governance of research and innovation.

According to Stilgoe (2013), responsible innovation involves anticipating the impact of innovation, listening to stakeholder voices in defining the purposes of innovation, reflecting on – and expressing clearly – the ethical and political assumptions on which research and innovation are based, and being willing to change direction in the innovation process in response to new knowledge of the possible impact of innovation. The University of Pisa adopts a specific RRI strategy: <https://www.unipi.it/index.php/open-science/itemlist/category/1629-ricerca-responsabile>.

The purpose of the course is to inform and educate participants about RRI, its principles and contents. The idea is to follow an inductive laboratory method, with an initial stage in which PhD students reflect and self-reflect on their activities, hold in-depth meetings with experts about possible assessment criteria and conclude with a session in which the knowledge gained is applied to create a new RRI product for the dissemination of and education to quantum sciences and technologies, thus contributing to the outcomes of the Quantum Flagship Education and Support Action QuTE4E pilot project (<https://qt.eu/about-quantum-flagship/projects/education-coordination-supportactions/>).

Module 1. HOW TO DO RRI? CASE STUDIES ON RRI AND RESEARCH IMPLEMENTATION:  
EXPERT SEMINARS AND DISCUSSION

**Coordinator:** Gianluca Brunori

**Lecturers:** Gianluca Brunori (Dept. of Agricultural Sciences – Economist, University of Pisa), Luigi Pellizzoni (Dept. of Political Sciences – Sociologist, University of Pisa), Roberto Gronda (Dept. of Civilization and Forms of Knowledge – Science Philosopher, University of Pisa), Simone van den Burg (Philosopher, Editor of the Journal of Responsible Innovation, RRI expert in Life Sciences, University of Wageningen), Valentina Mangano (University of Pisa), Raffaella Ravinetto (Department of Public Health, Institute of Tropical Medicine (ITM), Antwerp, Belgium).

**Language:** Italian

**Date:** 28 January 2022

**Duration:** 4 hours and 30 minutes

**Description:** Following inductive reasoning, starting from the self-analysis of the students' research projects and through the prior reading of an introductory article, participants will be introduced to the meaning and translation of the RRI concept into research ideas and hypotheses. This is a laboratory-oriented module that will lead to a final reflection on the RRI concept and its meanings.

Module 2. WHAT IS RRI? THE CONTRIBUTION OF RESEARCH TO THE COMMON GOOD: A  
FLIPPED CLASSROOM ON RRI AND RESEARCH DESIGN

**Coordinator:** Francesco Di Iacovo

**Lecturers:** Francesco Di Iacovo (Dept. of Veterinary Sciences – Economist, University of Pisa), Enza Pellecchia (Dept. of Law – Jurist – CISP Director, University of Pisa), Eleonora Sirsi (Dept. of Law – Jurist – University of Pisa), Roberto Gronda (Dept. of Civilization and Forms of Knowledge – Science Philosopher, University of Pisa), Francesca Zampagni (Technical-Administrative Staff Member, Scientific Research, Support Office for Project Proposal Writing, Research Services Unit, University of Pisa)

**Working languages:** Italian and English

**Date:** 4 February 2022

**Duration:** 4 hours and 30 minutes

**Description:** Recognized experts will present their experiences in the application of RRI based on a variety of themes and disciplines. Each expert will be asked to illustrate the characteristics of the project presented, the methods that characterized it, and its relationship with RRI principles. This will be followed by a structured discussion with the students based on a grid of questions defined in advance.

### Module 3. HOW TO DO RRI? COMMUNICATING SCIENCE: PARTICIPATION IN A REAL-TIME PROJECT ON QUANTUM TECHNOLOGIES

**Coordinator:** Maria Luisa Chiofalo

**Lecturers:** Maria Luisa Chiofalo (Dept. of Physics, University of Pisa), Anupam Aditya (George Institute of Technology, USA)

**Languages:** Italian and English

**Date:** 15 February 2022

**Duration:** 4 hours

**Description:** Participation in the elaboration of an RRI product in the field of Quantum Science and Technologies. RRI will be applied to address and evaluate science dissemination activities in the field of quantum technologies, which include applications in the pharmaceutical, agronomic, telecommunications and cryptography fields. The product will be part of the deliverables of the outreach and education pilot project "QuTE4E-Quantum Technology Education for Everyone" of the Quantum Technologies Education Coordination and Support Action, Quantum Flagship, in which this action has been included. The product will then be presented in a seminar open to all. The seminar will be organized in partnership with the QuTE4E European Pilot Project.

## UNIT V

### EU FUNDINGS FOR RESEARCH AND INNOVATION AND PROJECT PROPOSAL WRITING

**Coordinator:** Michele Padrone (University of Pisa)

**Lecturers:** Marco Bargagna, Martina Calamusa, Chiara Caccamo, Francesca Ceron, Veronica Moretti, Francesca Zampagni (Research Services Unit, Research and Technology Transfer Services Office)

**Dates:** Friday 3 December 2021 and Friday 11 March 2022

**Prerequisite knowledge:** English language

**Duration:** 6 hours

**Working language:** Italian

### Module 1. RESEARCH AND INNOVATION IN EUROPE: STRATEGIES, OPPORTUNITIES, PROJECTS

**Duration:** 3 hours

**Date:** Friday, 3 December 2021, 9-12 am

**Description:** European research and innovation strategies and policies; Horizon Europe Framework Programme 2021-2027, structure and introduction to funding programmes; introduction to the structure of a project proposal and its components.

## Module 2. MARIE SKLODOWSKA-CURIE POSTDOCTORAL FELLOWSHIPS

**Duration:** 3 hours

**Date:** Friday, 11 March 2022, 9-12 am

**Description:** Introduction to the Marie Skłodowska-Curie Programme; What are Postdoctoral Fellowships (PF); Introduction to the project proposal form; Group work on MSCA-PF proposals. The group work part in Module 2 will require writing in English.

## UNIT VI

ENGLISH for RESEARCH PUBLICATION and PRESENTATION PURPOSES

**Coordinator:** Joanne Spataro

**Collaborator:** Andrea Schiffer

**Target audience:** All first-year PhD students. Candidates must have at least a B2 level knowledge of English. In order to access the course, PhD students are required to take an entry test to assess their language level.

**Working language:** English

**Dates:** Mid January – end of March\*

**Duration:** 30 hours

**Description:** The course aims at developing knowledge of the fundamental linguistic structures for writing and publishing scientific articles in English, and of the linguistic skills necessary for interactive participation in international academic contexts (such as conferences, seminars, webinars, symposia).

The course also aims at providing knowledge on “soft skills” such as teamwork, cognitive skills, interpersonal communication, problem solving, creativity, adaptability and flexibility. All of these skills are necessary for effective interaction in complex organizational contexts, both in the academic community and in the labour market.

**Prerequisite knowledge:** Level C1 knowledge assessed by means of a two-stage Placement Test: a written part and, at a later date, an interview. PhD students who do not reach C1 level as a result of the Placement Test will be admitted to the course on condition that they follow additional activities in Academic Writing, Use of English and Online Tutorials in order to make up for any language deficiencies.

**Attendance:** Compulsory for 80% of the course

# TIMETABLE (still to be finalized)

ENGLISH FOR RESEARCH PUBLICATION AND PRESENTATION PURPOSES

1<sup>ST</sup> YEAR PHD CANDIDATES

TIMETABLE UNDER DEFINITION (MID-JANUARY – MID-MARCH 2022)

\*please note: Course schedule may be subject to changes on the basis of the number of PhD candidates

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<p><b>9.00 – 12.00</b></p> <p>Earth Sciences</p> <p>Classical Studies and Archaeology</p>	<p><b>9.30 – 12.30</b></p> <p>Information Engineering</p>	<p><b>9.00 – 12.00</b></p> <p>Philology/Languages</p> <p>Philosophy</p> <p>Italian Studies</p>	<p><b>9.30 – 12.30</b></p> <p>Industrial Engineering</p> <p>Smart Industry</p>	<p><b>9.00 – 12.00</b></p> <p>Political Sciences</p> <p>History</p>
<p><b>15.30 – 18.30</b></p> <p>Law Sciences</p>	<p><b>16.00 – 19.00</b></p> <p>Clinical and Translational Sciences</p> <p>Biology</p> <p>Science of Drug and Bioactive Substances</p>	<p><b>9.30 – 12.30</b></p> <p>Mathematics</p> <p>Corporate Economics and Management</p>	<p><b>16.00 – 19.00</b></p> <p>Clinical Physiopathology</p> <p>Agricultural, Food and Agro-Environmental Sciences</p> <p>Veterinary Sciences</p>	
<p><b>15.30 – 18.30</b></p> <p>Physics</p> <p>Computer Science</p>		<p><b>15.30 – 18.30</b></p> <p>Chemical and Materials Sciences</p> <p>Energy, Systems, Land and Construction Engineering</p>		

Key annotations:



SENIOR ERP INSTRUCTOR: Joanne Spataro



SENIOR ERP INSTRUCTOR: Andrea Schiffer

# ADVANCED TRAINING COURSES

# CAREER LABS FOR DOCs

<https://www.unipi.it/index.php/career-service/item/22044-career-labs-for-doc>

**Lecturer:** Alberto Venturini, occupational psychologist.

**Duration:** 12 hours

**Description:** Knowledge of the labour market will be deepened and the possible professional prospects for PhDs will be analysed. The goal is to provide the tools to successfully navigate the application and recruitment process in non-academic contexts.

The workshops will take place in person, in a classroom to be defined.

**Working language:** Italian

## WORKSHOP 1. "WRITING AN EFFECTIVE CV"

**Date:** Monday 11 October 2021, from 2:30 to 5:30 pm

**Duration:** 3 hours

**Description:** Producing a CV that can be effective for both an academic or public administration career and in the business world.

## WORKSHOP 2. "FACING A JOB INTERVIEW"

**Date:** 22 September 2021, from 2:30 to 5:30 pm

**Duration:** 3 hours

**Description:** Preparing for the job interview and to face the trickiest questions in the recruitment phase

## WORKSHOP 3. "ACTIVE JOB SEARCH"

**Date:** 28 October 2021, from 2:30 to 5:30 pm

**Duration:** 3 hours

**Description:** A method and web applications for optimizing of job search.

## WORKSHOP 4. "JOB ORIENTATION"

**Date:** 12 November 2021, from 2:30 to 5:30 pm

**Duration:** 3 hours

**Description:** An overview of the world of professions, both in the private and in the public sectors, dedicated to PhDs.

You can enrol through the Career Center platform at <https://unipi.jobteaser.com/it/events> using your institutional email account.

# PREDATORY MAGAZINES:

## HOW TO RECOGNIZE AND AVOID THEM

**ORGANIZERS:** Elisa Giuliani, Paolo Mancarella and Mauro Sylos Labini

**LECTURERS:** Cinzia Caporale (CNR – Commission for Research Ethics and Integrity), Mirko Degli Esposti (CRUI - Ranking Working Group and University of Bologna), Marilena Maniaci (ANVUR and University of Cassino), Arianna Menciassi (Scuola Sant'Anna), Mario Pianta (Scuola Normale Superiore), Antonio Felice Uricchio (ANVUR and University of Bari)

### TOPICS ADDRESSED DURING THE SEMINAR:

- Definition and presence of predatory journals
- Effects of predatory journals on:
  - competition between researchers and research projects;
  - academic careers;
  - allocation of research funds;
  - advancement of scientific knowledge;
  - scientific information.
- Actions and policies to counter the spread of predatory magazines:
  - what has been done and what can be done;
  - existing policies in Italy and abroad.

**DESCRIPTION:** Predatory journals pretend to use scientific standards such as peer review, but they make no assessment of the articles they publish and exploit the open access model for profit. They create a problem both for the integrity of scholarly communication and for inexperienced researchers who use them to publish their research thus wasting economic and intellectual resources.

The first weapon in order to be able to defend yourself from predatory journals is learning how to recognize them. The University of Pisa has decided, at the suggestion of the Sustainability Commission, to purchase an international database that catalogues them and has made this tool available to the academic community.

### SEMINAR OBJECTIVES:

The seminar highlights the characteristics and risks of predatory publishing and identifies policy options for universities and research centres to counteract this phenomenon.

The seminar can be viewed here:

<https://www.youtube.com/watch?app=desktop&v=OsLOxQYpfos>