Training Plan

2023

IRTA

Institute
of Agrifood Research
and Technology

Training Plan

R+D+T

Personal Development and Soft Skills

1. Career Development for PhD candidates
2. Career Develpment for postdoc fellows
3. Oral communication for Scientists
4. Twitter for Researchers: Beginner level

Career Development for PhD candidates

Training Scope: Face-to-Face + On-line

Date, schedule, location: Several sessions throughout the year. Duration: 9h split in 3 sessions

Target: Last year PhD candidates

Training provider: Direcció científica IRTA - Anna Casadellà

Description

This workshop aims to provide assessment to the last year PhD candidates when looking for the next career step. Practical exercises and case studies will be proposed to help identify skills and value them.

Content

The workshop is very interactive and based in practical cases where attendants can put in practice the new concepts and work on their CV and their network so to move on the professional goals. Outline:

- What can I do after my PhD?
- CV conditioning
- Networking skills
- Social networks
- Types of interviews
- Plan ahead

Objectives

This workshop aims to provide assessment to the last year PhD candidates when looking for the next career step.

Career Development for postdoc fellows

Training Scope: Face-to-Face + On-line

Date, schedule, location: To be determinated

Target: Last year PhD candidates

Training provider: Direcció científica IRTA - Anna Casadellà

Description

This workshop will provide in several short sessions guidelines for postdoctoral to thrive within IRTA as well as to pursue their professional career.

Content

- Possible career paths
- Job/Postdoc hunting resources
- Networking skills
- Plan ahead

Objectives

This workshop aims to provide guidelines to postdocs when looking for the next career step.

Oral communication for Scientists

Training Scope: Face-to-face

Date, schedule, location: On demand.
Duration: 7h

Target: PhD candidates

Training provider: To be determined

Description

locationThis is a comprehensive oral communication course for researchers to communicate with other researchers. During the training, we will get a hands-on approach to dissect each part of an oral and poster presentation, addressing the containing elements and reflecting on questions for students' specific cases.

Content

- What is and what is not a good oral presentation?
- Audience
- Story
- Purpose and message
- Structure
- Visual aids-Poster
- Performance
- Practical face-to-face session on stage

Objectives

Acquire skills on oral communication: presentation and poster sessions

Twitter for Researchers: Beginner level

Training Scope: Face-to-fase, on-line

Date, schedule, location: Two sessions of 2h

Target: Researchers and PhD candidates

Training provider: Communication Department of IRTA

Description

This course will provide basic knowledge and practical tools on the usage of Twitter as a platform to share research, work on the personal branding, establish professional relationships with other researchers, and contribute to the recruitment of talent.

Content

1. Introduction

- Different social media platforms/networks
- Current use of social media platform/networks
- The importantance of social media and scientific communication
- Divulge, disseminate and spread

3. Tips to write on social media

2. Twitter, a key tool for communicating science

- Understanding Twitter and it's purpose
- Identification of each part of the profile.
- How to write a good biography.
- How to write Tweets
- Hashtags and mentions
- How to create a survey/poll
- Programming / scheduling your Tweets
- Threads and how to write the
- Examples and successful Tweets

Objectives

The aim of this course is show you how to turn your communications into opportunities that will advance your own career and interests.

Technical and Management Skills

1. Becoming a Scientific Writer
2. Industrial property rights (IPR) for Researchers
3. Industrial property rights (IPR) for PhD candidates
4. Lean LaunchPad methodology to boost IRTA's innovations
5. Workshop on EndNote
6. Workshop on iMarina
7. Open Science for Beginners
8. Open Access
9. FAIR principles: FAIR Data Management in Horizon Europe
10. Data Management Plan – PhD candidates & Postdoctoral fellows
11. Data Management Plan – Research projects
12. Publishing data in FAIR repositories
13. Design of Graphical Abstracts
14. Cerca de patents a Espacenet

Becoming a Scientific Writer

Modalitat: On-line

Dates, horari i lloc: On demand

Target: Recommended for 1st and 2nd year PhD candidates.

Centre formatiu/docent: Lisa Mann – B2B translation

Description

Participants will develop a deeper understanding of the structure of scientific papers, with a renewed focus on the purpose of each section and connections between them. As well as tips and tricks on how to structure and develop meaningful paragraph.

Content

- Understanding the basic format of scientific and research articles.
- Be familiar the content and grammatical feature in each section.
- Scientific writing in English –words, sentences and paragraphs.

Objectives

The goal of this course is to help publishing scientists develop a more impartial, analytical view of scientific writing, to better understand their readers.

Industrial property rights (IPR) for Researchers

Modalitat: On-line

Dates, horari i lloc: On demand

Target: Researchers

Centre formatiu/docent: Oficina de Valorització IRTA -Agustí Fonts

Description

This course provides researchers with the basic's principles on Industrial Property Rights.

Content

- Why are patents important in research?
- Different IPR strategies
- Patents
- Plant variety rights
- Trade secrets
- IRTA policy on IPR
- IRTA procedures on valorization
- Practical examples

Objectives

Provide attendeeswiththe knowledge on how to initiate an IPR process in IRTA, making them capable to identify which part of their work could be subjected to exploitation and/or protection and encouraging them to dedicate the adequate efforts to increase the impact of their job in our society.

Industrial property rights (IPR) for PhD candidates

Modalitat: On-line

Dates, horari i lloc: On demand

Target: PhD candidates

Centre formatiu/docent: Oficina de Valorització IRTA -Agustí Fonts

Description

This course provides PhD candidates with the basic'sprinciples on Industrial Property Rights.

Content

- Why are patents important in research?
- Different IPR strategies-Patents
- Trade secrets
- IRTA policy on IPR
- IRTA procedures on valorization
- Practical examples

Objectives

Provide attendeeswiththe knowledge on how to initiate an IPR process in IRTA, making them capable to identify which part of their work could be subjected to exploitation and/or protection and encouraging them to dedicate the adequate efforts to increase the impact of their job in our society.

Lean LaunchPad methodology to boost IRTA's innovations

Modalitat: On-line / Face-to-face

Dates, horari i lloc: To be determined

Target: PhD candidates and Researchers

Centre formatiu/docent: To be determinated

Description

This course follows and teaches the Lean LaunchPad methodology to test and develop business models based on querying and learning from costumers. A business mentor will assess the process with 2-hourmentorships meetings between sessions.

Content

- Hands-on practice on Lean LaunchPad methodology
- Learn how to use a business model canvas
- Strategies to talk to real costumer's partners and competitors.

Objectives

This course proposes and immediately test business hypothesis. Attendees are trained to talk with prospective customers and partners, using this customer feedback acquired in these interviews to refine their product or service; ensure their product or service meets a costumer need or solve a costumer problem; and validate that they have created a repeatable, scalable business model.

Workshop on EndNote

Modalitat: On-line

Dates, horari i lloc: To be determinated, 2h

Target: Researchers and PhD candidates

Centre formatiu/docent: Scientific Documentation IRTA -Xantal Romaguera

Description

The course will provide basic knowledge on how to manage citations and libraries for scientific publications with EndNote.

Content

- How to obtain citations
- How to create a private and shared library
- How to include citations in a document
- How to modify the citations style according to the journal

Objectives

Learn manage scientific reference using the EndNote software

Workshop on iMarina

Modalitat: On-line

Dates, horari i lloc: To be determined, 2h

Target: Researchers

Centre formatiu/docent: Scientific Documentation IRTA -Xantal Romaguera

Description

This course provides insight and tools on how to use the iMarina platform to enhance CV registration and track of achievements.

Content

- Basic aspects of your CV: personal data, summary, bibliometric indicators, adscriptions
- Updating and curation of data
- Creating a CVN and CVA FECYT, CVA Word-Reports

Objectives

Learn how to use the iMarina tool highlighting the more important aspects of the platform.

Open Science for Beginners

Modalitat: To be determinated

Dates, horari i lloc: To be determined, 2h

Target: : Researchers without previous knowledge and PhD candidates

Centre formatiu/docent: Carme Reverté (Data Steaward), Xantal Romaguera (Documentation)

Description

This course provides the PhD candidates and other researchers without previous experience on OpenScience a general overview on the topic in order to gain a sound background and thus follow the rest of the specific courses.

Content

- Basic overview on:
  - OpenData
  - OpenAccess
  - FAIR principles
  - Open CitizenScience
  - Other related branches of OpenScience

Objectives

Acquire a sound and broad overview of basic aspects of OpenScience to be able to further develop knowledge in other courses.

Recommended learning path:

1. OpenScience for Beginners
2. Open Access
3. FAIR principles: FAIR Data Management Plan
4. Data Management Plan: PhD candidates & Postdocs
5. Data Management Plan: reserach projects
6. Publishing Data in FAIR repositories

Open Access

Modalitat: To be determinated

Dates, horari i lloc: Semestral

Target: Researchers and PhD candidates

Centre formatiu/docent: Xantal Romaguera (Documentation

Description

Open Access is unrestricted online access to peer-reviewed scholarly research. This course provides the PhD candidates and researchers deeper knowledge on the topic in order to conduct research according to OpenScience principles.

Content

To be determined

Objectives

Provide an overview and tolos to develop research publications using Open Access principles.

Recommended learning path:

1. OpenScience for Beginners
2. Open Access
3. FAIR principles: FAIR Data Management Plan
4. Data Management Plan: PhD candidates & Postdocs
5. Data Management Plan: reserach projects
6. Publishing Data in FAIR repositories

FAIR principles: FAIR Data Management in Horizon Europe

Modalitat: On-line

Dates, horari i lloc: To be determined, 2h

Target: Researchers

Centre formatiu/docent: Data Steward of IRTA –Carme Reverté

Description

This course presents an overview on research data management following the EU and FAIR principles.

Content

- Learn the principles and requirements of the EU on research data management in H2020 and Horizon Europe projects.
- Importance of FAIR principles
- Good practices on research data management through FAIR principles

Objectives

Learn the FAIR principles in research data management.

Recommended learning path:

1. OpenScience for Beginners
2. Open Access
3. FAIR principles: FAIR Data Management Plan
4. Data Management Plan: PhD candidates & Postdocs
5. Data Management Plan: reserach projects
6. Publishing Data in FAIR repositories

Data Management Plan – PhD candidates & Postdoctoral fellows

Modalitat: To be determinated

Dates, horari i lloc: To be determined

Target: PhD candidates and Postdoctoral fellows

Centre formatiu/docent: Data Steward of IRTA –Carme Reverté

Description

This course provides the PhD candidates and postdoctoral researchers specific and personal knowledge and tools on how to develop a personal Data Management Plan for their research career.

Content

To be determined

Objectives

Provide tools to develop a personal Data Management Plan including personal supervision by the trainer

Recommended learning path:

1. OpenScience for Beginners
2. Open Access
3. FAIR principles: FAIR Data Management Plan
4. Data Management Plan: PhD candidates & Postdocs
5. Data Management Plan: reserach projects
6. Publishing Data in FAIR repositories

Data Management Plan: Research projects

Modalitat: On-line

Dates, horari i lloc: To be determined

Target: Researchers

Centre formatiu/docent: Data Steward of IRTA –Carme Reverté

Description

This course provides and overview and tools to develop a Data Management Plan for Plan for national and european research projects .

Content

- Life cycle of data
- Structure of a Data Management Plan (DMP): content and terminology
- Development of the DMP: understanding data, data management and sharing data.
- Evaluation of Data Management Plans
- Tools to create DMPs

Objectives

Learn to create a data management plan for H2020 and Horizon Europe projects

Recommended learning path:

1. OpenScience for Beginners
2. Open Access
3. FAIR principles: FAIR Data Management Plan
4. Data Management Plan: PhD candidates & Postdocs
5. Data Management Plan: reserach projects
6. Publishing Data in FAIR repositories

Publishing data in FAIR repositories

Modalitat: On-line

Dates, horari i lloc: To be determined

Target: Researchers

Centre formatiu/docent: Data Steward of IRTA –Carme Reverté

Description

This course provides an insight on publishing data in repositories following the FAIR principles.

Content

- Brief introduction to FAIR concepts
- Repository requirements
- Review of case studies: data management, metadata, format and documentation.
- Publishing data

Objectives

Learn the research data publishing process in the IRTA's repository and other multidisciplinary repositories such as Zenodo.

Recommended learning path:

1. OpenScience for Beginners
2. Open Access
3. FAIR principles: FAIR Data Management Plan
4. Data Management Plan: PhD candidates & Postdocs
5. Data Management Plan: reserach projects
6. Publishing Data in FAIR repositories

Design of Graphical Abstracts

Modalitat: To be determined

Dates, horari i lloc: On demand

Target: PhD candidates and Researchers

Centre formatiu/docent: To be determined

Description

A graphical designer Will provide attendees with basic tools, resources and tips on how to create the best graphical abstract for scientific publications.

Content

1. **Introduction**: Concepts to perceive a graphical abstract as a communication tool to summarize information and how to do it.

2**. Information gathering:** The first step is to gather key information and sort this information into key elements for the creation of the design.

3. Draft: Bases on how to arrange information, select key points, and place them in a visual order according to what we want to communicate.

4. Design: Introduction of free imagine and font banks and open-access software to develop the design with readily available resources.

Objectives

The course will provide knowledge on how to create a graphical abstract that includes all relevant information in a clear, attractive and catchy fashion.

Patent search in Espacenet

Modalitat: Face-to-face

Dates, horari i lloc: : 25/04/2023, Torre Marimon

Target: Researchers and PhD candidates

Centre formatiu/docent: Marc Caballé (Valorization Office at IRTA)

Description

How to perform a quick patent search using the open resources from the European Patent Office. This course is thought for all personnel who followed the IPR courses in their previous editions.

Content

1. Basic information presented in a patent
2. Search criteria
3. How to tune your results.
4. Results interpretation (legal aspects)

Objectives

Acquire necessary skills to perform a quick patent search and to interpret the obtained results.