



Quarter Course

CAREERS IN SCIENCE

SPRING 2023
CERTIFY WITH 30 HOURS



<https://www.imfahe.org/imfahe-international-quarter-courses/>

Syllabus Quarter Course

Innovation, Entrepreneurship and Leadership

COURSE DIRECTORS

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COURSE DESCRIPTION

The International Mentoring Foundation for the Advancement of Higher Education ([IMFAHE](http://imfahe.org)) works together with its partnered universities to provide the students with an online education of excellence.

Scientific careers may be challenging at certain stages. Through this course IMFAHE aims to provide young scientists with important information and guidance to stand out in their scientific careers.

GRADING POLICY & REQUIREMENTS

This course is graded on a pass/fail basis. In order to receive a grade of “pass”, students must fulfill the 3 following requirements.

LEARNING OBJECTIVES

CAREER PATHWAYS IN SCIENCE

1

Learn about the different career options in science: Academia, Pharma, Editorial Work, Consulting, Scientific Writer, Data Scientist, etc.

FELLOWSHIPS & GRANTS

2

Learn what you need to write successful fellowships and grant applications to fund your research at different stages of your career

SCIENTIFIC RIGOR & SCIENTIFIC COMMUNICATION

3

Importance of rigor in science. Discover what to do to publish in a high impact factor journal & how to get the most out of attending a conference

1

Attend the Live Masterclasses
or watch the recorded sessions and complete the visualization survey if the live session was not attended

2

Watch the Recorded Masterclasses
and complete the visualization survey for these masterclasses

3

Complete the Practical Exercises
and put into practice what you learned through the Masterclasses

LIVE MASTERCLASSES

via Zoom:

<https://us02web.zoom.us/j/538787747>

Will take place at the indicated times in the table

1

Attend the Live Masterclasses or watch the recorded sessions and complete the visualization survey if the live session was not attended

Time & Date	Masterclass	Speaker
<p>March 9 (2:30pm Madrid Time)</p>	<p>Overview of the career paths in science and demanded skills in the field</p> <p>Video Link: (available on the web after the session) Visualization survey: (available on the web after the session)</p>	<p>Lauren Celano Founder and CEO, Propel Careers (Boston)</p>
<p>March 23 (2:30pm Madrid Time)</p>	<p>Grants/Fellowships: Opportunities for PIs, Postdocs, and Predocs</p> <p>Video Link: (available on the web after the session) Visualization survey: (available on the web after the session)</p>	<p>Janne Salo Research Program Officer, ERC (Brussels)</p>

Each student is expected to attend the live masterclass at the scheduled time and be ready to discuss each topic with the speaker. Students that cannot make it to a class must watch the recording and complete a visualization survey to verify their visualization. Students that attend live masterclasses do not need to complete the surveys.

RECORDED MASTERCLASSES

Find the links to the recorded masterclasses
in the table below



Masterclass

Speaker

Round Table: Different Career Paths in Science

[Video Link](#)

[Visualization Survey](#)

Ana Cadete Pires, PhD. Scientist at the Pharma Company Moderna (Boston)

Joana Pinto Vieira, PhD. Regulatory writer at Novartis (Switzerland)

Sofía Marbán Lorenzo. International Aid/Cooperation Officer at European Commission (Belgium).

Tomás Goucha, PhD. Postdoc at the Max Planck Institute (Germany)

Catarina Abreu. Consultant within the GHEOR practice at ZS Associates (New York)

Pros & Cons of Academia

[Video Link](#)

[Visualization Survey](#)

Dr. Esther Baena, PI at Cancer Research UK Manchester Institute

Dr. David Lagares, Assistant Professor MGH-Harvard Medical School (Boston)

Dr. Rosario F. Godino, Professor, MEEI-Harvard Medical School (Boston)

Dr. Joan Montero, Ramon y Cajal Researcher, IBEC (Barcelona)

Responsible conduct in research and how to publish in a high impact factor journal

[Video Link](#)

[Visualization Survey](#)

Dr. Javier Carmona. Senior Editor Nature, Nature Medicine (New York)

Dr. Toni Celia. Group Leader, Princeton-Hospital del Mar (Barcelona)

Dr. Miguel Prado. Senior Postdoc Harvard Medical School (Boston)

Fellowship Writing.

[Video Link](#)

[Visualization Survey](#)

Dr. Jessalyn Ubellacker, Harvard University and UT Southwestern Researcher (Texas, USA)

Abstract Writing

[Video Link](#)

[Visualization Survey](#)

Dr. Jessica Olive. Academic Editor, American Journal Editors/Research Square (USA)

Successful Conferencing

[Video Link](#)

[Visualization Survey](#)

Dr. Laura Contreras. Staff Scientist, Dana Farber Cancer Institute (Boston)

International Stays & Postdocs

[Video Link](#)

[Visualization Survey](#)

Dr. Itsaso García-Arcos, Research Assistant Professor, SUNY (New York)

Promote your scientific career through social media.

[Video Link](#)

[Visualization Survey](#)

Carmen De Miguel

Assistant Professor, University of Alabama at Birmingham, USA.

Paper Writing.

[Video Link](#)

[Visualization Survey](#)

Dr. Kristin Sainani.

Associate Professor at Stanford University (CA, USA).

PRACTICAL EXERCISES



1. Individual Development Plan (myIDP)

Learn which career paths in Science fit better your values, personality and interests and plan accordingly. Follow the instructions to complete this exercise:

1.1. Go to "myIDP" website <https://myidp.sciencecareers.org/>

1.2. Create a new account

1.3. Complete all the sections of myIDP (Assessment, Career Exploration, Create a Plan, Implement Plan)

1.4. Download the Completion Certificate

In order to get the diploma, you should email the Completion Certificate to IMFAHE (QC@imfahe.org).

2. Fellowship, internships and/or grant applications.

Use the information/ideas provided in the course and do your research to find fellowships, internships and grants that you believe can help you to achieve your career plans. In order to get the diploma, email to IMFAHE (QC@imfahe.org) the name of 3 fellowships, companies where you are interested to do internships, or grants together with a short sentence explaining how these opportunities could help you to fulfill your career plans.

3. Write and submit an abstract.

Based on the "Successful Abstract" lecture, write an abstract describing your work to submit to a conference. In order to get the diploma, you should email your abstract to IMFAHE (QC@imfahe.org). If you are part of the IMFAHE network, we encourage you to submit the abstract to be selected for an oral presentation at the IMFAHE's International Conference. that will be held the 29th of May 2023.

Each student is expected to complete the practical exercises following the guidelines, information and advice presented at the masterclasses. The objective of these exercises is that every student prepares a CV/Resume, cover letter, LinkedIn profile, elevator pitch, and interview to be ready to get a desired job.

HOW TO OBTAIN THE DIPLOMA

(Course Certified with 30h Upon Completion)

IMPORTANT NOTE:

Only students and professors from the universities that collaborate with IMFAHE in the academic year of 2022-23 are eligible to request a diploma. See the logos of the universities below.

HOW TO REQUEST A DIPLOMA:

After completing requirements 1, 2 and 3, send all **PRACTICAL EXERCISES in ONLY 1 EMAIL before MAY 3, 2023 at 24:00 h** (Central European Time) to QC@imfahe.org with the subject line **[YOUR NAME-UNIVERSITY-QC3-Diploma Request]**.



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