

How to boost your PhD

Lecturer Dr. Antigone Marino

(CNR-ISASI, antigone.marino@cnr.it)

Planned hours: 18 + homework

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Room 0M03, Physics Department, Via Cinthia Monte Sant'Angelo.

Abstract

Today, a career in scientific research demands a wide range of skills, which we rarely take time to consider. What are these skills, and how can you develop them to supercharge your PhD journey? This course focuses on these essential aspects of scientific careers.

Registration Required

<https://forms.gle/gXnE5EwZ27cb8agJ8>

Topics

- **SOFT SKILLS** - Technical skills are the first ingredient for a successful career, but often the competition with others is played on other skills, which are more related to the character of the person. This does not mean owning them or not. A good training action on soft skills will widen their spectrum as well as technical ones.
- **SCIENTIFIC COMMUNICATION** – A large amount of researcher's work is now devoted to communication. Mostly through posters, slides, papers and reports. We will see what the channels of communication are and how to treat them properly.
- **CHAT, SPEECH OR TALK** - Speaking in public is one of the most complex things, yet we do it every day without being taught. We will see the various types of talk, and what are the rules of good oral scientific communication.
- **GRAPHICS** - It's one of the most time-consuming things: creating the graphics you need for a chart, a slide or a poster. We will see what the rules are to follow in order not to make mistakes.
- **DIGITAL REPUTATION** - Once, every scientist had a file called curriculum on their computer. Today, that's no longer enough to advance a career. With society gathering data online, managing digital records is essential. A scientist's reputation is shaped by their online behavior and shared content. Here are tips for analyzing and controlling your digital presence.
- **SCIENTIFIC CURRICULUM** – The curriculum is a document that summarizes your education, skills, and experience, allowing you to effectively showcase your abilities to potential employers. We will cover how to write it, create a one-page CV, and draft a short bio.
- **THIRD MISSION & OUTREACH** - Political institutions now urge us to share our work with citizens and stakeholders, making outreach key in scientific careers. Effective outreach requires experience and a clear plan. We'll explore what makes an outreach event successful.
- **TECHNOLOGY TRANSFER** – How to move data, designs, inventions, materials, software, technical knowledge or trade secrets from one organization to another or from one purpose to another? The technology transfer process is guided by the policies, procedures and values of each organization involved in the process.
- **CAREER PERSPECTIVE** - Choosing the right path to pursue a career in industry or academic research after graduation is difficult for every researcher. After completion of successful PhD degree, you have two roads to choose to travel. Each path has its own pros and cons.