

THE CRIMINALIST CAREER  
I DAY OF ENTREPRENEURSHIP AND EMPLOYABILITY

# THE POSTGRADUATE FORMATION: PHD PROGRAM IN FORENSIC SCIENCES

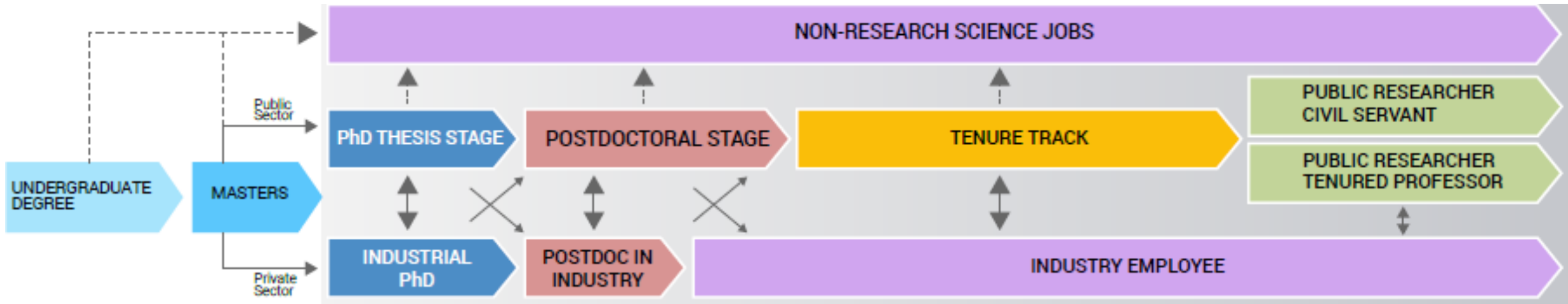
Gemma Montalvo García  
Associate Coordinator of the PhD Program in Forensic Sciences



# Where am I?



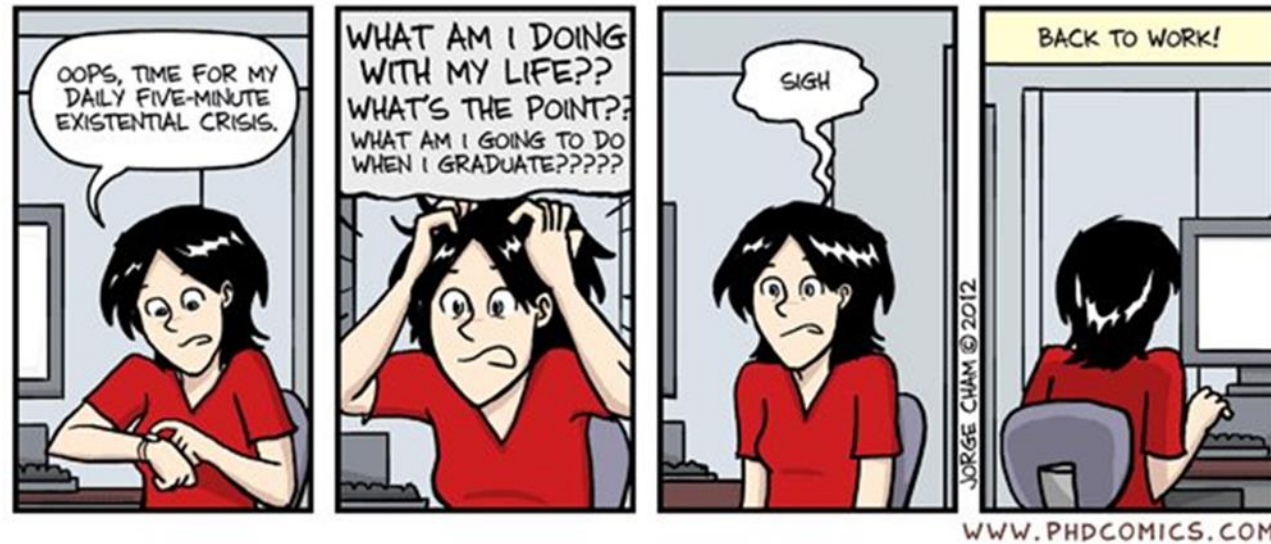
# The Postgraduate Career. Itinerary in Spain.



# THE PHD IS...

a very **MOTIVATING** experience.....

But it is also a **VERY DEMANDING** experience that will challenge you



# Why a PhD?

## THE PHD IS:

- ▶ the **highest academic qualification** that a person can have.
- ▶ the **door to an academic and high-level research career** in the University or a Research Centre.
- ▶ the **access to more specified job positions** and better paid.
- ▶ an **unique scenario where you can make your skills evolve**: perseverance, spirit of improvement, work capacity, personal motivation.



# Why a PhD?

## THE PHD IS:

- ▶ the **opportunity** to share your knowledge with other people (conferences, scientific papers).
- ▶ **interdisciplinary and international experiences** (research stays in other centres).
- ▶ an already **paid** job (contracts/scholarships).
- ▶ **differenciation** regarding other professionals of your sector.
- ▶ being an authorized voice in the matter of hand: an expert in your field of knowledge.



# Why should I choose a PhD?



Is it growing on you already?

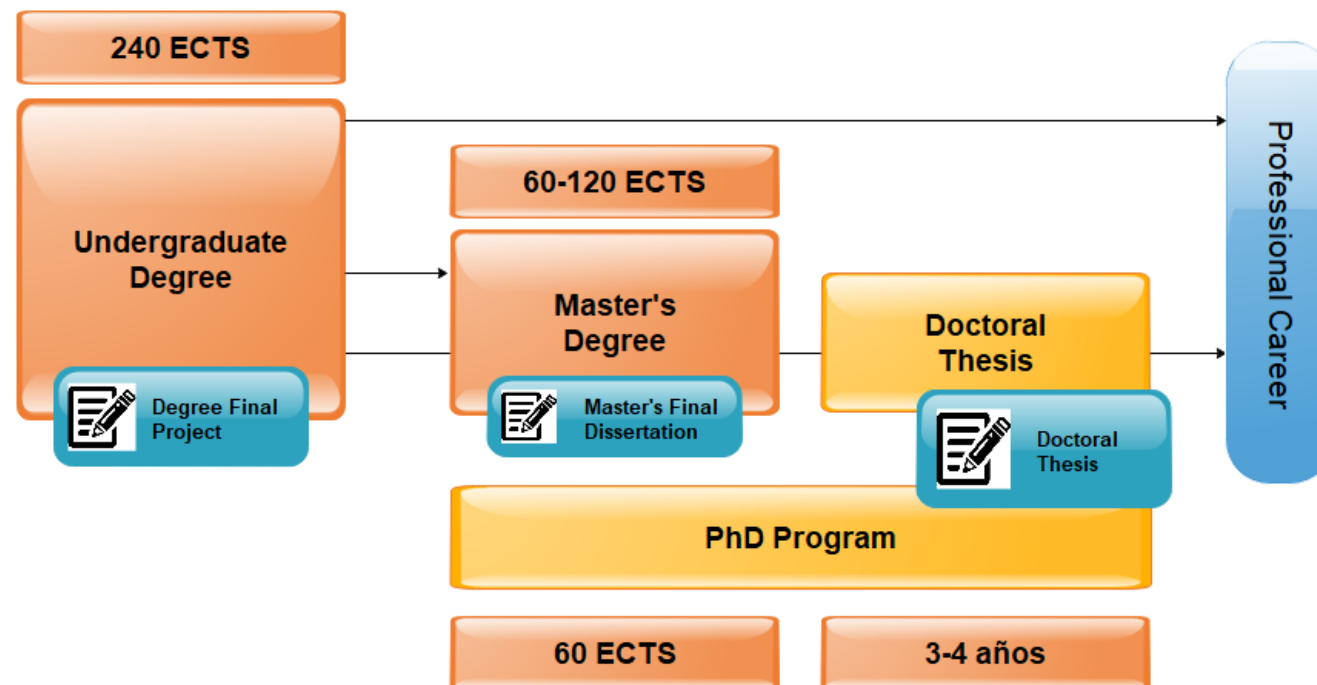


# Who can access to a PhD?

Every student who has a Spanish official degree, or equivalent, and a Master's degree, as well as the Spanish Licensed, Engineers or Architects. **300 ECTS**.

Doctors.

In addition, every foreign student whose university titulation allows them to access to a PhD program in their country of origin (even if it is not approved).





# How much time does a PhD take?

- **Full-time** modality:

Maximum length **3 years** + 1 year prorrogation + 1 year prorrogation (exceptional)

- **Part-time** modality:

Maximum length **5 years** + 2 year prorrogation + 1 year prorrogation (exceptional)

A **time-off** could be requested in the PhD program for a maximum period of 1 year, 1 year expandable.



# Where should I start?

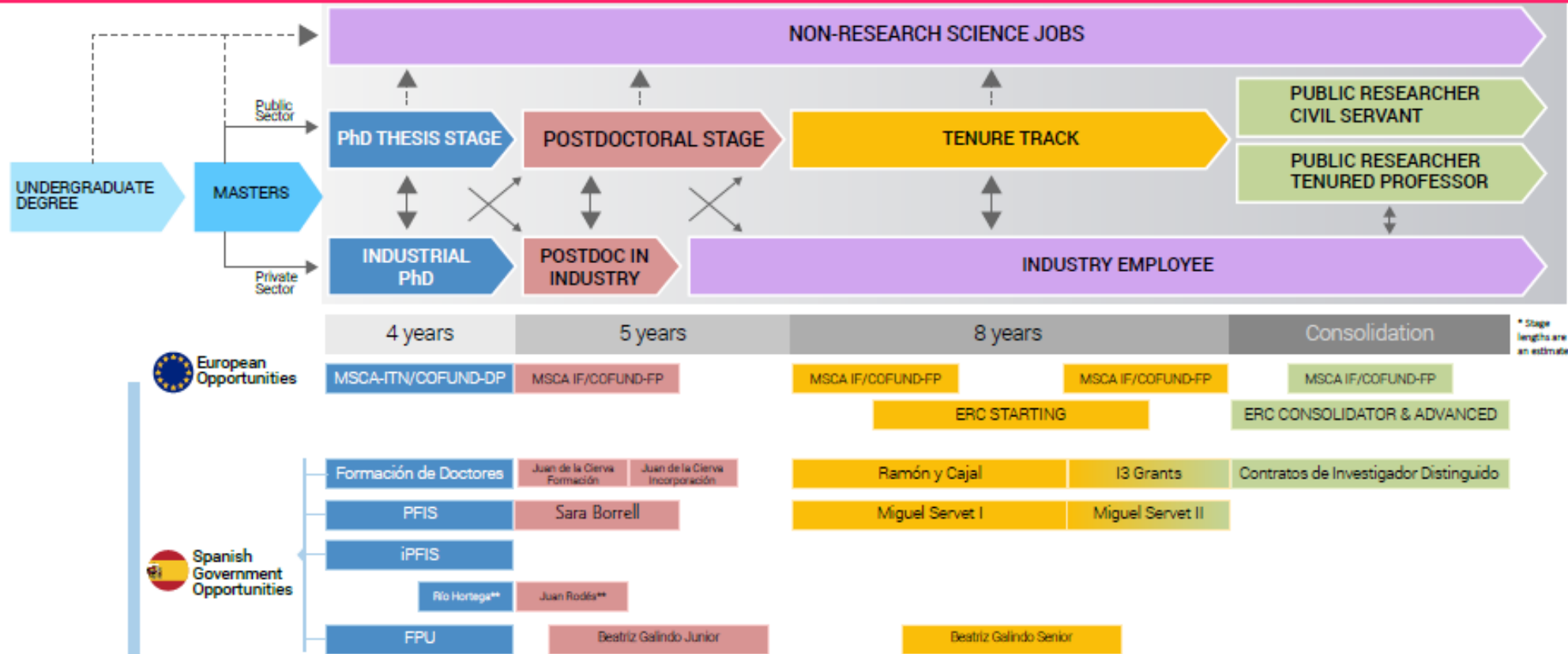
- ▶ About what I do?
  - Look what arouses your interest, where you could contribute in, and what skills you dispose of.
- ▶ Who will be with me?
  - Look for a teacher of the program to direct your project and guide you through the investigations.
  - A teacher who is an expert in the lines of research of your interest.
  - A teacher who gains your scientific confidence and who you feel empathy and respect with.
- ▶ Search for funding opportunities.



# The Postgraduate Career. Funding opportunities.

Explore below the funding opportunities on each stage of the researcher career in Spain

May 2018



Autonomous Communities  
Scholarships from your own University  
Public and private calls

► <https://www.fecyt.es/es/publicacion/researcher-career-path-spain-glance-4th-edition>



# Which programmes of PhD are there in the University of Alcalá (UAH)?

Arts and Humanities

Sciences

Health Sciences

Social and Law Sciences

Engineering and Architecture

- **Functional Biology and Biotechnology.**
- **Sciences.**
- **Forensic Sciences.** Planned between the University of Alcalá and the University of Murcia.
- **Ecology. Conservation and Restoration of Ecosystems.** Planned among the UAH, the UPM, the URJC and the UCM.
- **Human Evolution, Paleoecology of the Quaternary, Geophysical Techniques Applied to Investigation.** Planned among the UAH, the University of Burgos and the University of Oviedo.
- **Hydrology and Water Resources Management.** Between the UAH and the URJC.
- **Chemistry.**



# Program of PhD in Forensic Sciences

## THE GOAL IS:

To train high-quality researchers, with the purpose of the resolution of forensic cases and the improvement of the acting levels of the Law Enforcement Bodies.

Interuniversity PhD Program:

UNIVERSIDAD DE  
MURCIA



Universidad  
de Alcalá  
INSTITUTO UNIVERSITARIO DE INVESTIGACIÓN  
EN CIENCIAS POLICIALES **iuicp**



SECRETARÍA DE ESTADO  
DE SEGURIDAD

**POLICE LINE DO NOT CROSS**

**POLICE LINE DO NOT CROSS**



# Why a PhD in Forensic Sciences?

Better **social concern and awareness of the value**, the **efficiency** and the **potential** of Forensic Sciences

&

the **impact** of its different possibilities in **crime investigations**



# Why a PhD in Forensic Sciences?

- ▶ The **forensic investigators** must have a **solid scientific basis**, to increase the **objectivity** and **reliability** of their conclusions.
- ▶ Now there is a need to **train excellent investigators** in the different fields of Forensic Sciences, in order to lead the **transference of the generated knowledge to the Courts of Law** and the social community, to contribute significantly in the **development of effective fighting tools against crime**.
- ▶ **Reinforce the work developed by forensic laboratories**, focused in the resolution of many forensic cases, every time more complex, being in need for scientific results that prove the conclusions of their reports.
- ▶ The **only Official PhD Title** in Spain with these characteristics.



# Which areas of research can I specialize in?

- Forensic Acoustics and Imaging
- Forensic Anthropology
- Criminal and Procedural Law
- Forensic Entomology
- Forensic Genetics
- Forensic Linguistics
- Lofoscopy
- Forensic Palinology
- Computer and Electronic Expertise
- Forensic Chemistry





# How many formative activities do I have to accomplish in the Forensic Science PhD?

## Transversal activities

Compulsory 80h between the followings:

- ▶ Seminars
- ▶ Working Days of Training Researchers
- ▶ Practices in Companies and Institutions

## Specific activities

Compulsory 80h among between the followings:

- ▶ Annual IUICP Researchers' Meetings
- ▶ Mobility stays
- ▶ Specialization seminars
- ▶ Communication in National or International Conferences
- ▶ Presentation of Investigation Results
- ▶ Research Articles

# Which professional outings can I expect? Where will I end up?

- ▶ Preparation for competitive examinations to enter the **Law Enforcement Bodies** or the Body of Facultatives of the **Spanish National Institute of Toxicology and Forensic Sciences (INTCF)**.



- ▶ Integrate or create private companies or laboratorios dedicated to forensic analysis.



- ▶ Follow a teaching or research career in institutions or research centres in Forensic Sciences, at a national or international level



...Y



**Which professional outings can I expect? Where will I end up?**

**...as many as you aspire and dream....**

**THERE IS NO LIMIT BEYOND YOURSELF**



And some people who are already doctors, **where are they now?**

Here are some examples!



If you feel encouraged to follow this path, this is where you will arrive!



## Inaugural Act of New Doctors

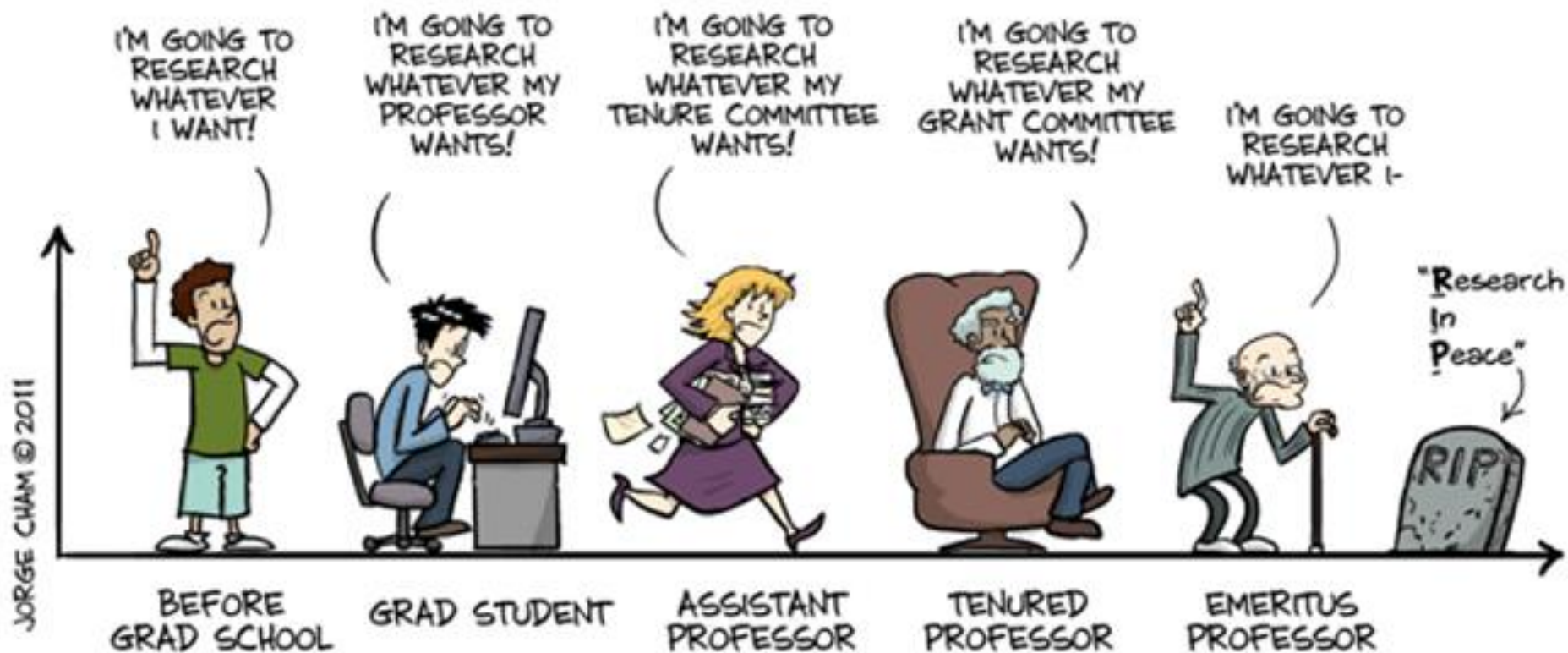
Science is represented in turquoise blue



THANK YOU



# THE EVOLUTION OF INTELLECTUAL FREEDOM



WWW.PHDCOMICS.COM

