



UNIVERSITAT
POLITÀCNICA
DE VALÈNCIA



HR EXCELLENCE IN RESEARCH

RESEARCHER CAREERS AT THE UPV

UPV

VICERRECTORADO DE INVESTIGACIÓN

Universitat Politècnica de València

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RESEARCHER CAREER PATH

Pre-doctoral



Starting point

Post-doctoral

R1

First Stage Researcher
(up to the point of PhD)

R2

Recognised Researcher
(PhD or equivalent who are not yet fully independent)

R3

Established Researcher
(who have developed a level of independence)

R4

Leading Researcher
(who are leading their research area or field)

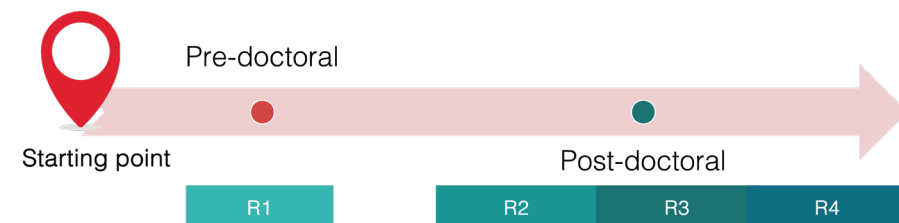


YOUNG RESEARCHERS R1-R2

RESEARCHER CAREER PATH: Starting point

Starting point

- 1) Undergraduate Degree
 - 4 years (240 ECTS) except those degrees that follow European guidelines, e. g. Architecture (300 ECTS)
- 2) Master's degree
 - 1 – 1.5 - 2 years (60 ECTS, 90 ECTS, 120 ECTS)



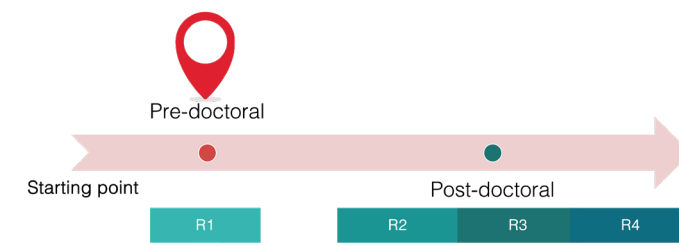
RESEARCHER CAREER PATH: Pre-doctoral stage.

Admission

Pre-doctoral

General admission requirements:

- 300 ECTS:
 - Official Spanish university degree + master's degree = 300 ECTS minimum
 - Spanish degree with at least 300 ECTS = level 3 Spanish Qualifications Framework for Higher Education (level 7 European Qualifications Framework). E. g. Architecture
- Degree from a foreign educational system (inside or outside EHEA):
 - Accrediting a level 7 of the European Qualifications Framework
 - Entitling the access to PhD studies in the country of the institution
- Another PhD



RESEARCHER CAREER PATH: Pre-doctoral stage.

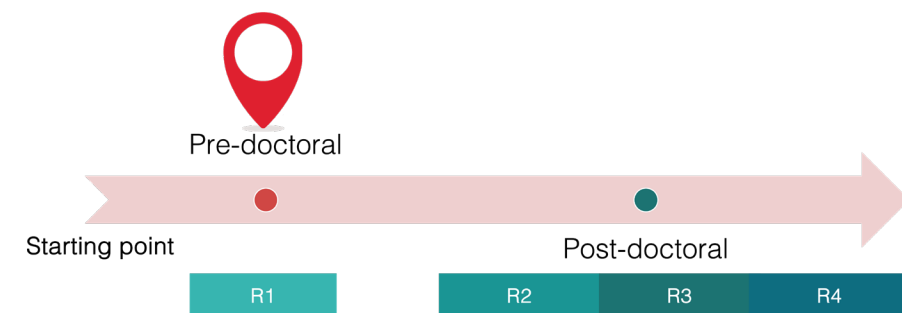
Duration

Pre-doctoral

Studies

- Full-time: 4 years
 - Disability $\geq 33\%$: 6 years
- Part-time: 7 years
 - Disability $\geq 33\%$: 9 years

+1 year
extension



RESEARCHER CAREER PATH: Pre-doctoral stage.

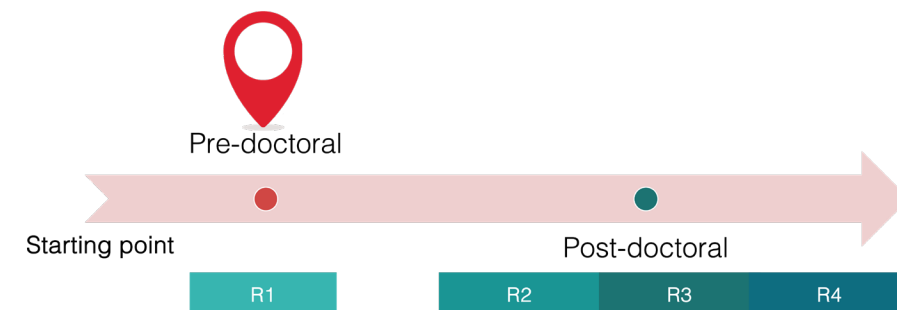
Profile

UPV: 31 programmes, 8 areas

- Agrifood and Biotechnology
- Architecture
- Art
- Sciences
- Economics and Social Sciences
- Civil Engineering
- Industrial Engineering
- ICT

Researchers in training

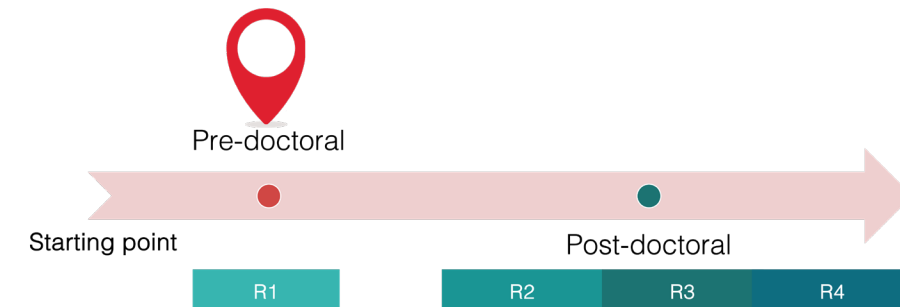
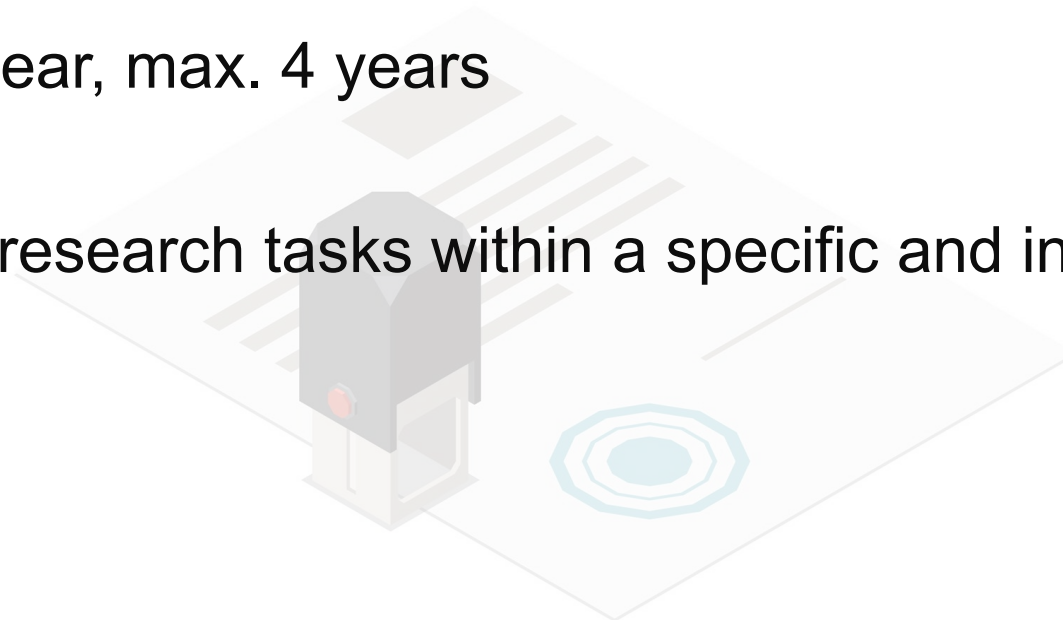
- Enrolled part-time in a PhD program
 - Usually Full-time employees in companies, public administrations or research institutes
- Enrolled full-time in a PhD program
 - Pre-doctoral fellows
 - Contracts under art. 21
 - Funded by Different types of grants



RESEARCHER CAREER PATH: Pre-doctoral stage.

Contracts under art. 21 (all pre-doctoral training grants)

- Duration: min. 1 year, max. 4 years
- Full-time
- Aim: carrying out research tasks within a specific and innovative project



RESEARCHER CAREER PATH: Pre-doctoral stage.

Contracts under art. 21

Internal Calls UPV

[Link](#)

Program 1 / Subprograma 1

Program 2 / Subprograma 2

[Link](#)

- General admission requirements of a PhD program
- Max. 4 years

- Specific requirements:
 - Average grade within the first third of their graduating class
 - Each application requires a thesis supervisor and a research group where applicants will be integrated
 - Covers 17,651.75€ - 23,640.7€ (gross annual income)
 - co-funded: first 3 years-UPV-VINV; last year funded by research structure
 - Post-doctoral orientation
- Specific requirements:
 - Set by the research structure hiring
 - Salary: depends on the structure that is hiring, but a minimum is established

RESEARCHER CAREER PATH: Pre-doctoral stage.

Contracts under art. 21

Regional Government: Generalitat Valenciana

[Link](#)

Pre-doctoral research staff grants / Subvenciones para la contratación de personal investigador predoctoral

Santiago Grisolia program / Subvenciones del programa Santiago Grisolia

[Link](#)

- General admission requirements of a PhD program
- 4 years
- it covers the salary and employer's Social Security contribution, 22,835€ - 29,795€ (gross annual income)
- Post-doctoral orientation

- Specific requirements:

- Minimum weighted average grade in their academic record (e. g. engineering & architecture: 7.58)

- Specific requirements:

- Holding a non-UE degree
- + 1,600€ (travel and settling expenses 1st year)

RESEARCHER CAREER PATH: Pre-doctoral stage.

Contracts under art. 21

Ministry of Science, Innovation, and Universities

[Link](#)

University professor training grants / Ayudas para la formación de profesorado universitario (FPU)

Doctoral research training grants / Ayudas para contratos predoctorales para la formación de doctores (FPI)*

[Link](#)

- General admission requirements of a PhD program
- 4 years
- Post-doctoral orientation
- Covers research stays and tuition fees

- Specific requirements:

- An average grade in the academic record, on a scale of 0-10, equal to or higher than the reference grade per degree (e. g., Mathematics 8.49)

- Covers 16,127.58€ - 21,599.48€ (gross annual income)

- Specific requirements:

- Enrolled in a PhD program
- Applicants may also apply if they are eligible to be enrolled when the contract starts

- Covers 17,785€ - 23,065€ (gross annual income)

- * universities now oversee applications (Agencia Estatal de Investigación, AEI, projects)

RESEARCHER CAREER PATH: Pre-doctoral stage.

Contracts under art. 21

Other calls. Private funding. Fundaci3n La Caixa

[Link](#)

INPhINIT retaining

- General admission requirements of a PhD program
- Applicants must not have been enrolled in a PhD program prior the start of the fellowship
- English: B2 or higher
- 4 years
- Min. 25,000€ (gross annual income)
- Covers tuition fees
- +3,500€ per year for research costs

○ Specific requirements:

- Should have lived or worked in Spain or Portugal for 12 months within the 3 years before the closing date of applications
- PhD at a different university from where applicants completed their degree.

INPhINIT incoming

[Link](#)

○ Specific requirements:

- STEM disciplines PhD in a centre of excellence.
- Candidates should not have lived or worked in Spain or Portugal for more than 12 months within the 3 years before the closing date of applications.

RESEARCHER CAREER PATH: Pre-doctoral stage.

Contracts under art. 21

European funding. Marie Skłodowska-Curie Actions

[Link](#)

MSCA: Doctoral Networks

MSCA: COFUND

[Link](#)

- No PhD
 - Enrolled in a PhD program during the project
 - Not having resided or worked in the country of the recruiting organisation for more than 12 months in the 3 years immediately before recruitment
 - Specific requirements and details provided in each vacancy published on EURAXESS
- Other requirements:
 - 50% of their time outside academia for Industrial PhDs
 - Duration: up to 3 years
 - Support: living and mobility allowance, if applicable, family, long-term leave and special needs allowances
 - Covers research, management and indirect costs
 - Duration: 5 years

RESEARCHER CAREER PATH: Pre-doctoral stage.

Other calls. Industrial PhD. Ministry of Science, Innovation, and Universities / Valencian Innovation Agency

[Link](#)

Aid for contracts for doctoral training in companies / Ayudas para contratos para la formación de doctores y doctoras en empresas y otras entidades

- Specific requirements:
 - Companies with fiscal residence or a permanent establishment in Spain.
 - Applicants must not have been enrolled in a PhD program prior the start of the fellowship.
- Duration: max. 4 years
- Salary: co-funded, salary and employer's Social Security contribution, 25,350€ (gross annual income)
- Other: covers research stays and tuition fees

INNODOCTO (Business PhD) / Doctorandos y doctorandas empresariales

[Link](#)

- Specific requirements:
 - Any Valencian company, the doctoral dissertation should be connected to a R&D project of the company.
- Duration: max. 3 years
- Salary: co-funded, 50% salary and employer's Social Security contribution
- Other: research costs, also covers tuition fees

RESEARCHER CAREER PATH: Pre-doctoral stage.

Other calls. Mobility

Other funding opportunities

- ERASMUS+. [Link](#)
- Universitat Politècnica de València. [Link](#)
- Generalitat Valenciana. [Link](#)
- Fundación Banco Sabadell (Social Sciences and Humanities). [Link](#)

RESEARCHER CAREER PATH:

Post-doctoral stage. R2-R3-R4

Recognised Researcher (R2) (PhD holders or equivalent who are not yet fully independent)

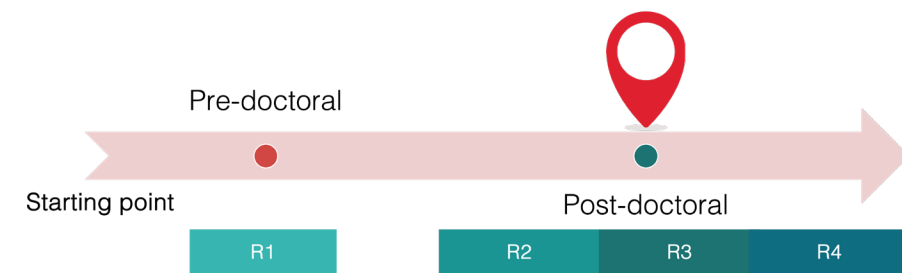
Established Researcher (R3) (Researchers who have developed a level of independence)

Leading Researcher (R4) (Researchers leading their research area or field)

<https://euraxess.ec.europa.eu/europe/career-development/training-researchers/research-profiles-descriptors>

Post-doctoral

- 1) Funding opportunities
 - Contract under art. 22, art. 23, or art. 23 bis
- 2) Positions in Institutions (research / teaching)
 - Public Research Organisations
 - Universities



RESEARCHER CAREER PATH: POST-DOCTORAL STAGE. R2-R3-R4

Contracts under art. 22 | R2-R3

(access of doctors to the Spanish system of science)

- Duration: min. 3 years, max. 6 years
- Full-time
- Aim: granting access to institutions to researchers with a PhD

Contracts under art. 23 | R3-R4

(distinguished researchers)

- Duration: depends on the agreement between researcher-institution
- Aim: to allow **distinguished researchers** with international reputation lead teams, centres...

Contracts under art. 23 bis | R1-R2-R3

(scientific-technic activities)

- Duration: depends on contract
- Aim: carrying out activities related to research lines or scientific-technical services
- Can employ candidates with or without PhD

RESEARCHER CAREER PATH: POST-doctoral stage. R2

Internal calls UPV Contracts under art. 22

[Link](#)

Program 1 / Subprograma 1

- Requirements:
 - PhD
 - 7 publications JCR Q1 and Q2 (3 in Q1)
- Duration: 3-6 years
- Salary: co-funded with a UPV research structure for 2 years. It covers the salary and employer's Social Security contribution, 21,000€ (gross annual income)

Program 2 / Subprograma 2

[Link](#)

- Requirements:
 - PhD 5 years prior application
- Duration: 3-6 years
- Salary: depends on the structure that is hiring, but a minimum is established

RESEARCHER CAREER PATH: POST-doctoral stage. R2

Generalitat Valenciana / Ministry of Science, Innovation, and Universities

Contracts under art. 22 and art. 23bis

[Link](#)

Postdoctoral research staff grants / Subvenciones para la contratación de personal investigador en fase postdoctoral

- Requirements:
 - PhD after 01/01/2019
 - Proposal submitted by an experienced PI, whose research impact has been demonstrated
- Duration: 1,5-2 years
- Salary: 35,000€ (gross annual income)

Juan de la Cierva

[Link](#)

- Requirements:
 - PhD within 01/01/2022-31/12/2023
 - Research in an institution different from their PhD studies
 - Not applying for Ramón y Cajal 2023 call
- Duration: 2 years
- Salary: min. 28,000€ (gross annual income)
- +7,400€ for mobility

RESEARCHER CAREER PATH: POST-doctoral stage. R2-R3

European Funding. Marie Skłodowska-Curie Actions

Contracts under art. 22

[Link](#)

MSCA – Post-doctoral fellowships

Horizon Europe MSCA: COFUND

[Link](#)

- Not having resided or worked in the country of the beneficiary, host, recruiting institution or implementing partner for more than 12 months in the 3 years immediately before the call deadline

- Requirements:
 - PhD
 - Applying together with a host institution
 - Max. 8 years of experience in research since PhD award
- Duration: 1-2 years

- Requirements:
 - PhD
 - Not a permanent employee of the organisation hosting them
- Specific requirements and details provided in each vacancy published on EURAXESS
- Duration: 5 years



ESTABLISHED AND LEADING RESEARCHERS R3-R4

RESEARCHER CAREER PATH: POST-doctoral stage. R2-R3

Ministry of Science, Innovation, and Universities Contracts under art. 22 and art. 23

[Link](#)

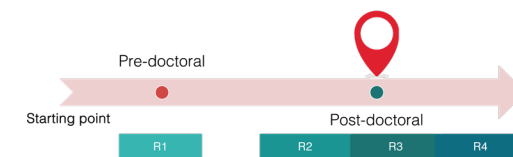
Ramón y Cajal

- Requirements:
 - PhD within 01/01/2013 - 31/12/2023
 - Being a researcher abroad since 01/01/2021
 - Not holding a Juan de la Cierva grant, except those who have it for a year
- Duration: 5 years
- Salary: 35,000€ - 41,500€ (per year, after R3 certificate)
- Other:
 - +50,000€ for research activities
 - +70,000€ if researchers come from abroad

Research Consolidation / Consolidación investigadora

[Link](#)

- Requirements:
 - PhD
 - R3 certificate application or I3 certificate
 - PhD before 01/01/2016 and being a beneficiary of a program for incorporating researchers funded by a national, European or international organisation
- Duration: 2 years
- Salary: depends on institution
- Other: researcher needs to be part of the institution from the 4th month of the project



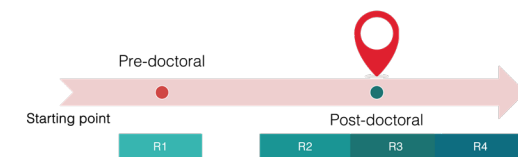
RESEARCHER CAREER PATH: POST-doctoral stage. R3-R4

Ministry of Science, Innovation, and Universities Contracts under art. 23

[Link](#)

ATRAE

- Requirements:
 - PhD before 01/01/2016
 - Being professionally linked with a foreign institution for at least 5 years within 01/01/2016 and the first day of applications
 - Not being a civil servant or having passed an exam to enter a civil servant position
- Duration: 3-4 years
- Salary: min. 80,000€ (per year)



RESEARCHER CAREER PATH: POST-doctoral stage. R2-R3-R4

Ministry of Science, Innovation, and Universities Contracts under art. 23

Beatriz Galindo Jr.

Beatriz Galindo Sr.

- Being involved in a project abroad at the application opening
- Min. 4 years

- Specific requirements:
 - Less than 7 years of teaching and research experience abroad since obtaining their PhD
- Salary: co-funded, 50,000€ (per year, institution covers 15,000€ and Social Security)

- Specific requirements:
 - At least 7 years of teaching and research experience abroad since obtaining their PhD
- Salary: co-funded, 90,000€ (per year, institution covers 25,000€ and Social Security)

[Link](#)

RESEARCHER CAREER PATH: POST-doctoral stage. R2-R3-R4

European Research Council

Contracts under art. 23

Starting Grant

Consolidator Grant

Advanced Grant

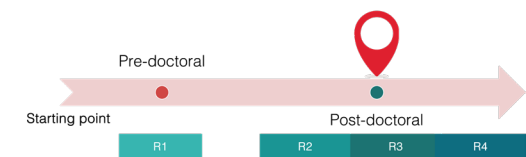
- Research conducted in a public or private research organisation. It could be the one the applicant already works or another located in an EU state or associated countries
- 5 years

- Specific requirements:
 - 2-7 years of experience since PhD
 - Scientific track record showing great promise and an excellent research proposal
- Up to 1.5€ million

- Specific requirements:
 - 7-12 years of experience since PhD
 - Scientific track record showing great promise and an excellent research proposal
- Up to 2€ million

- Specific requirements:
 - Having a track-record of significant research achievements
 - Exceptional leaders in terms of originality and significance of their research contributions
- Up to 2.5€ million

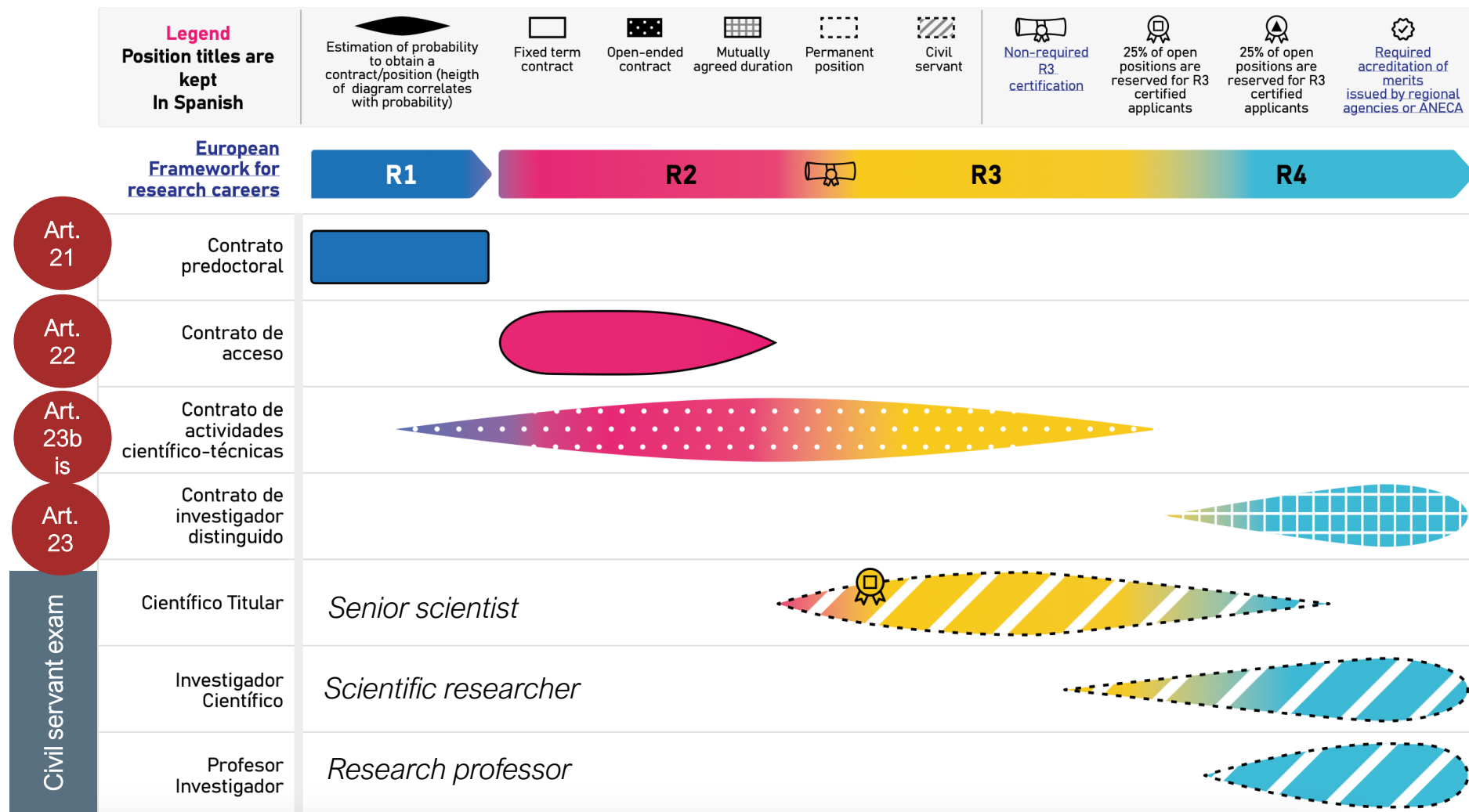
[Link](#)



RESEARCHER CAREER PATH: POST-doctoral stage. Consolidation. R2-R3-R4

Institutions

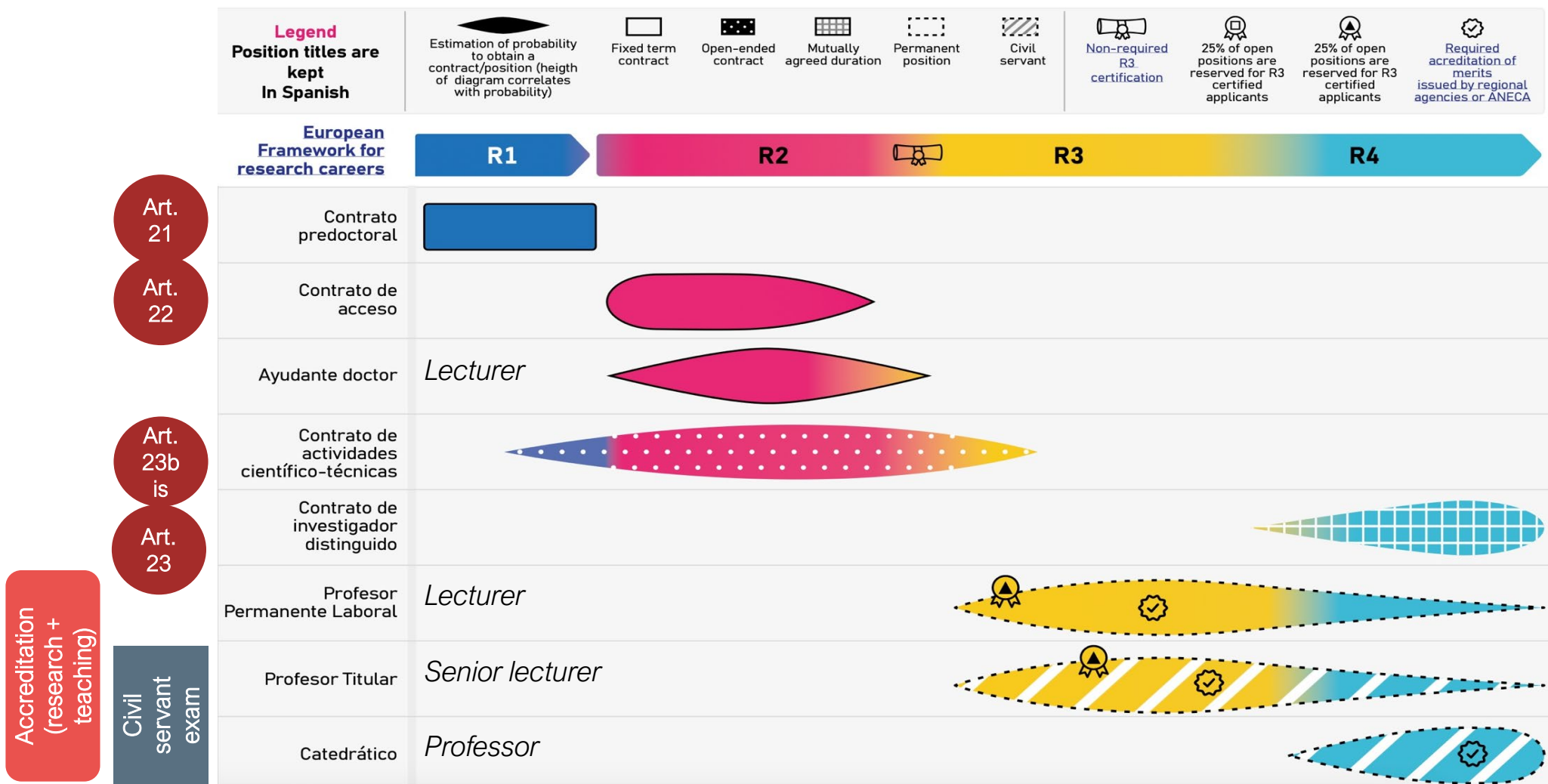
Public Research Institutions



RESEARCHER CAREER PATH: POST-doctoral stage. Consolidation. R2-R3-R4

Institutions

Universities





RESEARCHER CAREER PATH: UPV initiatives



HR EXCELLENCE IN RESEARCH

R&D&I Operational Management Service

Flash newsletter





Thank you!