



DOCTORATS INDUSTRIALS

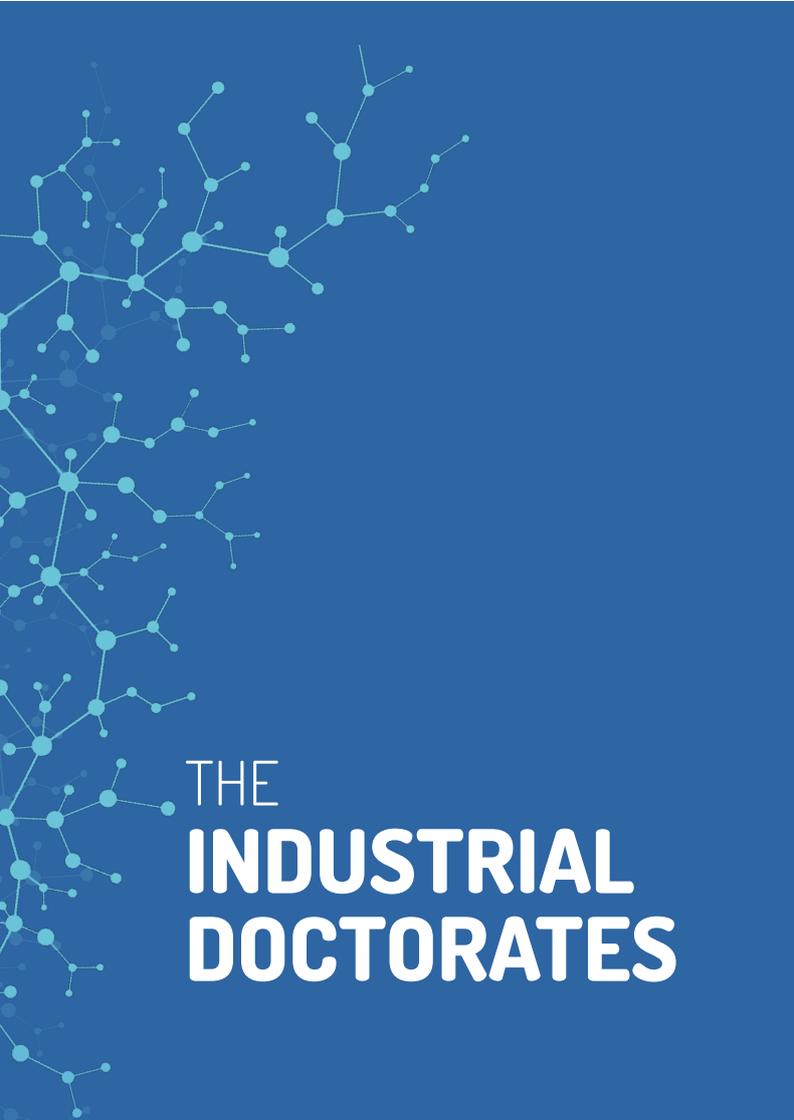
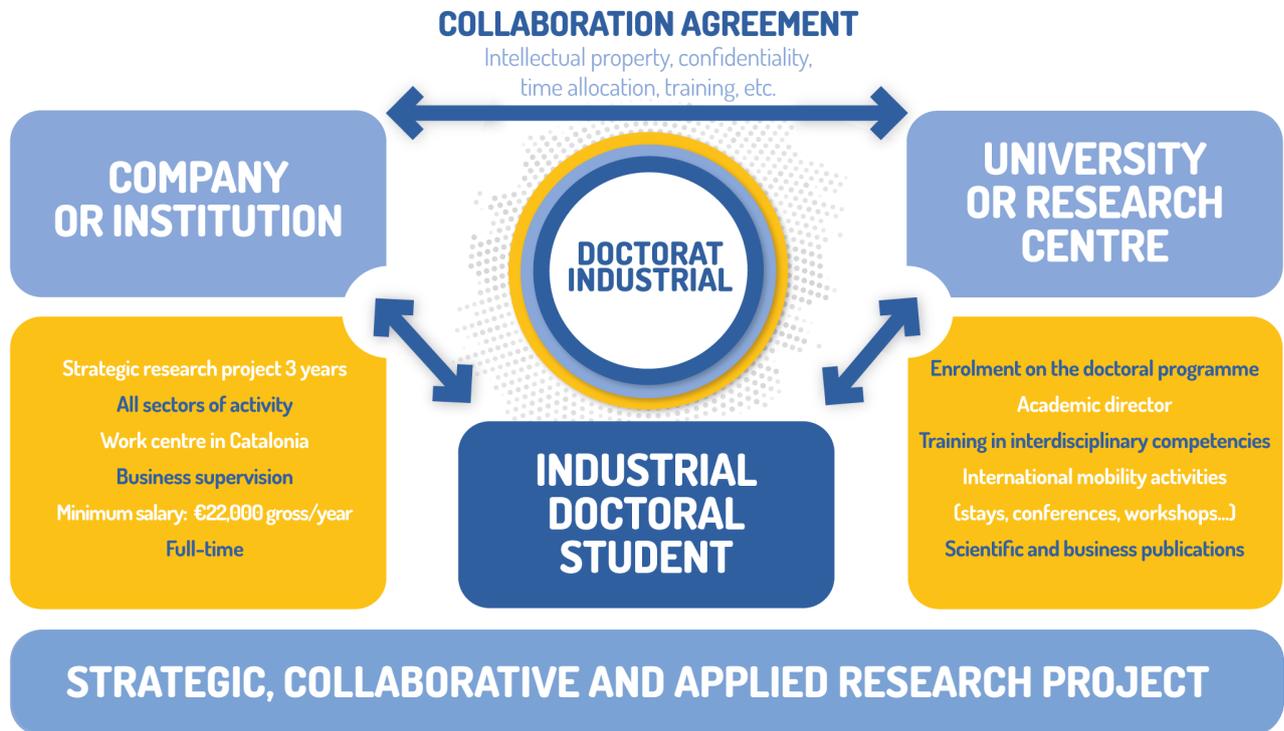
RECERCA ESTRATÈGICA · COL·LABORATIVA · APLICADA

CALL FOR PROPOSALS
OPEN ALL YEAR



Generalitat de Catalunya

UP TO €65,000 PER PROJECT
COMPATIBLE WITH OTHER RDI GRANTS



THE INDUSTRIAL DOCTORATES

1036

INDUSTRIAL DOCTORATES

136

FUNDING (MILLION EUROS)

The Industrial Doctorates Plan (ID Plan), promoted by the Generalitat de Catalunya in conjunction with the Catalan university and research system, fosters:

- Doctoral training.
- Knowledge generation and transfer.
- The development of RDI projects between companies, institutions, universities and research centres.

The essential element in the ID Plan is the industrial doctorate project: a **strategic research** project to improve companies' and institutions' competitiveness, through **collaborative research** with the academic environment, and **applied research** that offers solutions to society's needs, training doctoral students in academic and socio-economic environments.

And it provides a return for society, as it:

- Creates highly skilled jobs.
- Strengthens doctoral staff in companies and institutions.
- Increases the competitiveness of the Catalan socio-economic fabric.

COMPANY OR INSTITUTION

A UNIQUE RESOURCE FOR
YOUR COMPANY TO INCREASE
COMPETITIVENESS AND
BOOST INNOVATION

BRING AN INDUSTRIAL DOCTORAL STUDENT ONTO THE TEAM
AND DEVELOP A STRATEGIC APPLIED RESEARCH PROJECT IN
COLLABORATION WITH A UNIVERSITY OR RESEARCH CENTRE.

AN OPPORTUNITY TO

- Access leading facilities and infrastructures.
- Collaborate with research personnel of the highest scientific calibre at the cutting edge of knowledge.
- Attract talent and help train people with strong potential.
- Foster an internal culture of innovation.
- Create patents and valuable assets.
- Optimise RDI activities with minimum bureaucracy.
- Rapidly develop new products, processes and services.

COMPANIES AND INSTITUTIONS MUST COMPLY WITH THE FOLLOWING

- Hire the doctoral student for the 3 years of the grant with a minimum gross salary of 22,000 euros per year.
- Have a work centre in Catalonia.

91%

of company supervisors would repeat the experience.

89%

of companies continue to collaborate with the university or research centre.

75%

of industrial doctoral graduates remain at the same company.

25%

of projects resulted in a patent or other mechanism to protect the results.

700

COMPANIES

55%

SMEs

24%

REPEAT THE
EXPERIENCE

85

MILLION EUROS
INVESTMENT
in RDI

"THE INDUSTRIAL DOCTORATE ALLOWS US TO FOLLOW VERY CLOSELY MORE BASIC RESEARCH LINES THAT WOULD OTHERWISE BE HARD TO ADDRESS. THEY ALSO OFFER US THE CHANCE TO PREPARE TALENT FOR THE FUTURE CHALLENGES OF THE COMPANY".

NVISION · THE R&D COMPANY IN IoT

OPEN TO ALL KINDS OF COMPANIES
OR INSTITUTIONS, ANY SECTOR,
ANY SIZE.



UNIVERSITIES AND RESEARCH CENTRES

AN OPPORTUNITY
TO TRANSFER KNOWLEDGE
AND MAKE A SOCIAL IMPACT
THROUGH APPLIED RESEARCH

COLLABORATE WITH COMPANIES AND INSTITUTIONS
TO RESPOND TO SOCIETY'S CURRENT
AND FUTURE CHALLENGES.

AN OPPORTUNITY TO

- Access industrial equipment and technologies.
- Establish and strengthen relations with the socio-economic sector.
- Carry out applied research tied to the needs of companies and institutions.
- Obtain patents or other mechanisms to protect research.
- Incorporate new researcher profiles in the research group.
- Publish research results in articles, specialist journals and general media.

REQUIREMENTS FOR THESIS SUPERVISORS

- Be a member of a research group recognised by the Generalitat de Catalunya, or a researcher in the ICREA programme or with funding from the European Research Council (ERC).

96%

of thesis supervisors
would work on an industrial
doctorate again.

58%

of projects generate 3
or more scientific publications.

91%

of academics consider an ID
thesis to be on a par with a
conventional academic thesis.

82%

of universities and research
centres continue to collaborate
with companies and institutions.

12

UNIVERSITIES

744

RESEARCH
STAFF

478

RESEARCH
GROUPS

26

RESEARCH
CENTRES

“WE HAVE LEARNED A GREAT
DEAL FROM THE INDUSTRY AND
HOW SCIENTIFIC DEVELOPMENT
CAN BE TURNED INTO AN INDUS-
TRIAL PRODUCT. THIS HAS FOR-
CED US TO THINK ABOUT THINGS
YOU DON'T NORMALLY TAKE INTO
ACCOUNT IN RESEARCH”.

ELISABET ENGEL (ICREA)
PRINCIPAL INVESTIGATOR AT THE INSTITUTE
FOR BIOENGINEERING OF CATALONIA (IBEC)

**OPEN TO ALL UNIVERSITIES, RESEARCH CENTRES,
HOSPITAL FOUNDATIONS AND TECHNOLOGY
CENTRES BASED IN CATALONIA.**

INDUSTRIAL DOCTORAL STUDENT

START YOUR RESEARCH TRAINING IN A DUAL ENVIRONMENT: BUSINESS AND ACADEMIA

DEVELOP PROFESSIONALLY IN COMPANIES AND INSTITUTIONS ENGAGED IN APPLIED RESEARCH

AN OPPORTUNITY TO

- Participate in a strategic research project with a specific challenge.
- Work in academia and on company premises.
- Go on international stays and attend congresses, which help build professional relationships and contacts

AND IN RETURN?

- An employment contract with a minimum gross annual salary of €22,000.
- Up to €10,800 for international mobility actions and other expenses linked to doctoral training.
- Training in interdisciplinary competencies to develop your professional career in the business world.

TO TAKE PART

- Your profile must match project development needs.
- The average mark of the university studies giving you access to the doctoral programme must be 6.50 or higher.
- You must be enrolled on a doctoral programme at a Catalan university.

37%

of doctoral students are engaged in international mobility.

98%

employability according to the 2023 employment outcomes survey (AQU Catalunya, 2023).

83%

of industrial doctoral graduates have a permanent contract three years after completing their studies.

66%

of industrial doctoral graduates improve their working conditions after completing their studies.

AT THE END OF 5 YEARS

75%

CONTINUE TO WORK IN BUSINESS ENVIRONMENTS

64%

WORK IN RDI-RELATED FIELDS

97%

RECEIVE A GROSS MONTHLY SALARY OF €2,000 OR MORE

"WE DOCTORAL STUDENTS ARE THE LINK BETWEEN THE COMPANY AND THE UNIVERSITY. WE GET THE BEST OF BOTH WORLDS. IN MY CASE, I WAS ABLE TO STAY WITH THE COMPANY, AND IT HAS BEEN A WONDERFUL JOB OPPORTUNITY FOR ME".

NÚRIA ROIGÉ
OPERATIONS MANAGER
AT AIGÜES DE BARCELONA

OPEN TO ALL AREAS OF KNOWLEDGE AND CANDIDATES FROM ALL NATIONALITIES WELCOME.

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doctoratsindustrials.gencat.cat



Generalitat
de Catalunya