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# CarrerasLeaders



## GUIDE FOR APPLICANTS

Carreras Postdoc Program  
Empowering Future Leaders  
to Fight Blood Cancers





# TABLE OF CONTENTS

- 1 The program p. 2
- 2 Call for proposals p. 4
- 3 What we offer p. 9
- 4 Processing of data p. 10
- 5 Annexes p. 11

# 1. THE PROGRAM

CarrerasLeaders is a new innovative and international postdoctoral programme, designed by the Josep Carreras Leukaemia Research Institute (IJC) and co-funded by the Marie Skłodowska-Curie programme of the European Commission (Horizon Europe). The aim of the programme is to fund 16 excellent postdoctoral researchers for a period of 3 years.

CarrerasLeaders program will provide high-quality career guidance, mentoring and advanced training so that fellows can become leading scientists in the field of hemato-oncology with professional opportunities in the academic and non-academic sector. CarrerasLeaders is addressed to boost career perspective of researchers from a three-dimensional perspective:

## LEADERSHIP INDEPENDENCE CONSOLIDATION

This is a world-wide unique postdoctoral program that covers the entire spectrum of research and innovation in blood cancers and goes from understanding disease biology to the implementation of products and processes in the market and into the clinical practice through the development of a global translational approach.

Applicants have complete freedom of research choice within the scope of blood cancers and are recommended to propose collaborative projects including an international and intersectoral secondment. Fellows will be supervised by one of the 39 IJC research Group Leaders or IJC's Scientific Platforms managers and are offered highly attractive working conditions and a healthy, inspiring, and creative working environment in IJC.

CarrerasLeaders has the following objectives:

- To train the next generation of scientist leaders to advance on the cure of blood cancers, multiplying each one's skills sets and networks via targeted Career Development Plans and mentoring.
- To improve the quality of blood cancers postdoctoral research training, more targeted addressed to the researchers and societal needs.
- To enhance cooperation and transfer knowledge between sectors and disciplines.
- To enable outstanding junior researchers to develop their research careers to an advanced and more independent level in a leading institution such as IJC.
- To increase the competitiveness of the IJC blood cancers community.

Through training of experts, collaborative research and the fast-horizontal transfer of knowledge the research program of CarrerasLeaders holds the promise to advance on the many remaining unmet medical needs in haematological cancers and to participate in the delivery of new solutions in line with the Horizon Europe Mission on Cancer.

## 1.1 HOST INSTITUTION

The Josep Carreras Leukaemia Research Institute (IJC) is an independent, non-profit biomedical research institute that is part of the Research Centres of excellence of the Government of Catalonia network (CERCA). The IJC was founded in 2010 as the first European institute devoted to cancer research with a particular focus on leukaemia and other malignant blood diseases. The IJC is a multi-site research institute consisting of a central headquarters embedded in the Biomedical Campus Can Ruti (Badalona) and 5 additional sites, all of them located in clinical environments of excellence including Hospital Germans Trias i Pujol (HGTP), Hospital Clinic (Barcelona), Hospital Sant Pau (Barcelona), Hospital Josep Trueta (Girona), Hospital del Mar (Barcelona) and Pediatric Hospital Sant Joan de Déu (Esplugues de Llobregat).

Additional Information about IJC can be found on the institute's [website](#).

## 1.2 ASSOCIATED PARTNERS

Associated partners to the CarrerasLeaders program are entities that have agreed to host postdoctoral fellows for secondments, including universities, hospitals, companies, research centres, biotech start-ups, and pharma companies. Applicants are strongly encouraged to propose in their application a secondment to one of the collaborating partners, preferentially being both international and intersectoral. Proposed secondments must be relevant to their research project and have a duration from 3 to 11 months.

The responsible person at the secondment host will be the co-supervisor during the fellowship. At the application phase, no commitment letter from the secondment host or co-supervisor is required, but the applicant may indicate the name of the potential co-supervisor in their application if already identified.

The list of Associated Partners approved so far by the European Commission can be found in the Annex I of this document. Applicants are free to choose other institutions not listed in Annex I for their proposed secondment. In case the fellowship is granted, a secondment agreement with that entity would be signed.

## 1.3 STRUCTURE

The CarrerasLeaders program will provide a tailored training programme for the selected 16 postdoctoral fellows at different levels:

**Training-through-research.** Each fellow shall work full time on their project in their supervisor's research group and may carry out short visits and secondments to other international institutes and sectors (see section 1.2.) based on the specific requirements of the project and future career expectations.

**Network-wide training**, which will come in three main formats:

- Annual retreats
- In house courses in scientific and transferable skills
- IJC scientific seminar series

**Personalized advanced training.** Recruited candidates will further develop their own Career Development Plan (CDP), with the guidance of their supervisor and mentor.

# 2. CALL FOR PROPOSALS

## 2.1 APPLICATION PROCESS

The Application procedure will be conducted through a user-friendly online platform on the CarrerasLeaders website ([Team Tailor](#)). For submission, applicants will be required to complete an Application form that includes two sections:

### PERSONAL INFO

a. An online administrative form which includes researcher's personal and contact information, as well as details required to check the eligibility of the candidate.

### DOCUMENTS TO BE UPLOADED

- a. PhD certificate
- b. Supervisor's support letter
- c. Ethics Self-assessment [1]. Instructions on how to complete the document are included in the template.
- d. The project proposal template (maximum 10 pages). Instructions on how to complete the document are included in the project proposal template.
- e. Curriculum Vitae (CV) including contact details of two references.
- f. Supporting evidence for requested extensions to the 7-year-post-PhD rule (if applicable)

Applicants will receive a confirmation e-mail upon the application's submission, together with a proposal registration number, which will act as proof of their participation in the call. The Josep Carreras Institute will verify the admissibility and eligibility of each application and will contact candidates to advise them if any amendments or additional documents are required. From the date of notification, candidates will have a maximum of 10 working days to amend their application.

[1] All the projects need full ethical approval by The Human Ethic Committee and/or the Animal Ethic Committee corresponding to the IJC site in which the project will be implemented before they can start.

## 2.2 APPLICATION DEADLINE

**Publication of the call:** Wednesday, 1st of March 2023

**Submission deadline:** Sunday, 7th of May 2023, by 23:59

2023

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- 1st March  
Call opens
  - 7th May  
Deadline for applications
  - 7th August  
Announcement of shortlisted applicants invited to the interview stage
  - 11-29th September  
Interview stage of evaluation
  - 13th October  
Notification of fellowships awarded
  - December 2023 - February 2024  
Start of the fellowships

2024

The timeline is tentative. IJC might modify if any unforeseen issue arises.

## 2.3 SELECTION PROCESS

The selection process of the CarrerasLeaders program is designed to ensure the integrity, fairness, and transparency of the process.

TENTATIVE TIMELINE	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
Months	May 2023	May-Jul 2023	Sep 2023	Oct 2023	Nov 2023
Action	Eligibility Administrative Check	Assessment process	Interviews	Consensus funding decision	Offer and candidate acceptance

**STAGE 1: Eligibility Check:** Upon the closing of the call, proposals will be registered in the database for evaluation, and the eligibility of the applicants will be checked. Applicants missing obligatory documents for the Eligibility check will be contacted by a member of Project Management Office (PMO) to submit them within 10 natural days after the receipt of the notification. Proposals that do not meet the eligibility criteria may be declined without further review. All applicants will receive an email confirming their eligibility and start of the external evaluation phase or informing that they are ineligible according to the eligibility criteria. Applicants have the right to request a redress if they will consider there was a procedural flaw during the eligibility check. The provisional list of admitted and excluded candidates will be published on the program website.

**STAGE 2: External remote evaluation:** The selection of the fellows will be merit-based, founded on peer review in an open and transparent selection procedure. It will be carried out externally by the Catalan Government Research Evaluation Agency (AGAUR) to ensure the independence and equity of the process. AGAUR will select 3 independent evaluators for each application (see Guide for external evaluators). Candidates that rank higher than 35 over 50 will be invited to the interview. The list of candidates selected for interviews will be published on the program's website. All candidates, selected and rejected, will be informed by email about the evaluation result and receive a written report of their evaluation. Within 10 working days after receiving this notification, applicants will have the right to request a redress if they feel there was a procedural flaw during the evaluation.

**STAGE 3: Interview and final evaluation:** The fellows will be interviewed online by 2 external experts. The future supervisor (without vote) and an expert of the Human Resources Unit will also attend the interview (without vote). The CarrerasLeaders Project Manager will also assist in the production of a report of the interview. The interview may be recorded as a security measure to protect the rights of the candidates, and for use in the event of a complaint or appeal. A final ranking list will be elaborated based on the scores of the external evaluation (Stage 2) and the interviews (stage 3).

**STAGE 4: Consensus funding decision:** No later than 4 weeks after the interviews, the provisional funding decision will be published on the program website. The final list of selected candidates will include at least three candidates that have applied to join a junior research group as identified on the IJC website and defined as group leaders with less than five years of experience as independent group leader. Applicants will also be informed by email of the evaluation results, along with their scoring and comments from the evaluators (Evaluation Summary Report). Applicants who are not selected but have scored above the threshold will be placed on a reserve list.

**STAGE 5: Appeal and redress request:** Within 10 days after receiving the notification of the funding decision, applicants may request redress if they feel that there has been a procedural shortcoming. After resolution of all redress requests, the final list of applicants will be officially published on the project website.

**Acceptance and start of the fellowships:** Successful Applicants will have 10 days from the notification of the final funding decision to accept the offer. In the event of an applicant rejecting an offer, the position will be offered to the next applicant of the reserve list. Candidates who accept an offer will be required to sign their employment contracts and, preferably, start their fellowships within 3 months from the date of acceptance[2].

**Note on candidates' assistance:** Support will be provided via email, phone, and virtual meetings to assist applicants with any queries they may have about calls, forms and/or support documentation. For any assistance needed, please send an email at [carrerasleaders@carrerasresearch.org](mailto:carrerasleaders@carrerasresearch.org).

[2] In case of delays in getting the VISA or any other force majeure situation, this could be postponed.

## 2.4 ELEGIBILITY CRITERIA

The following requirements have been established to be eligible to apply to the call, ensuring the excellence of the program and its participants. At the time of the call deadline, only completed applications will be considered (including all supporting documentation). If one or more eligibility criteria are not fulfilled, the application will be declared ineligible. The eligibility criteria are:

- Be in possession of a PhD degree in a life science discipline by the call deadline.
- Meet the mobility rule for receiving funding from the Marie Skłodowska Curie Actions (MSCA) (Horizon Europe) : candidates must not have resided or carried out their main activity in Spain for more than 12 months in the 3 years immediately prior to the call deadline [3].
- Research experience: candidates shall have been awarded their first PhD up to 7 years prior to the call deadline[4] (for further details please see Annex II).
- Scientific publications: to guarantee quality of research expertise, candidates must have at least one peer-reviewed publication (published or in press) as first author.
- Proficiency in English language which will be demonstrated on the level of the written project proposal and during the interview.
- Supervisor's support letter[5].

[3] To ensure equality and fairness of opportunity and avoid penalizing candidates with academic/research break periods due to maternity/parental leave, compulsory national military service, sick or family care leave, and procedures for obtaining refugee status will be considered during the evaluation process and extend the eligible period post PhD. The effective elapsed time since the award of the first PhD will be considered reduced by the documented amount of leave taken by the candidate for each incident which occurred after the PhD award. Details of all information pertaining to career breaks and supporting documentation will be included in the guide for applicants. Evaluators will be briefed in this regard prior the initiation of the evaluation process.

[4] CarrerasLeaders has defined this window of post-doctoral experience because in the Spanish and Catalan R&I system exists a gap in funding/contractual opportunities for researchers in this stage of their research career. The goal of CarrerasLeaders is to identify excellent early career researchers to enable them to become academic or non-academic group or team leaders in any sector. It is also in line with the definition of the European Commission for junior post-doctoral researchers (for example it is the same as the MSCA Postdoctoral Grants or the ERC starting Grants). Finally, setting up this eligibility window of post-doctoral experience will guarantee fairness during the evaluation and selection process, avoiding a situation in which less experienced researchers compete against highly experienced researchers.

[5] The letter will not be a statement from the supervisor agreeing to host a specific fellow, merely a general statement that such a project can be carried out in terms of supervision and infrastructure.

CarrerasLeaders is open to researchers of any age, nationality, and gender without restrictions. The IJC is committed to promoting equal opportunities in research for researchers and its staff. IJC implements the Human Resources Strategy for Researchers (HRS4R) and the European Charter and Code of Conduct for the Recruitment of Researchers in their recruiting, training and career development policies and practices. In 2019, IJC was recognized by the European Commission with the "Human Resources Excellence in Research Award" [6].

[6] [https://www.carrerasresearch.org/ca/hr-excellence\\_94734](https://www.carrerasresearch.org/ca/hr-excellence_94734)

## 2.5 EVALUATION CRITERIA

To ensure the fairness of the selection and evaluation process, the experts will be asked to exclusively judge a fellow's application according to the evaluation criteria defined in the below chart. Evaluators will have to provide a specific score to each criterion on the evaluation form, together with a consistent explanation of such score to elaborate the evaluation summary.

DIMENSION	SUBCRITERIA	SCORING (MAX. POINTS)
<b>STAGE 2: REMOTE EVALUATION BY AGAUR</b>		
CV	Academic merit: academic transcript, publications, etc.	25
	Research skills and other relevant competences.	5
Excellence	Research project: quality, innovative character, methodology, multidisciplinary approach, adequacy of the host group for the researcher's career.	10
	International and intersectoral secondment.	5
Impact	Quality of the proposed measures to disseminate, communicate and exploit results. Convincing two-way transfer of knowledge between the fellow and the group.	5
Total Stage 2 (Threshold 35/50)		50
Ethic Self-Assessment Eligibility		YES/NO
<b>STAGE 3: INTERVIEW</b>		
Project and Career prospect (presentation by the fellow)	Presentation of the project. Scientific discussion. Match of career path with the project and host institution and match with the secondment host.	30
Transferable skills	Motivation. Clarity of presentation. Ability to communicate during interview. Analytical capacity. Creative thinking. Leadership. Oral English proficiency (if an excellent candidate lacks English skills, IJC will offer English classes)	20
Total Stage 3 (Threshold 35/50)		50
Total Stage 2+Stage 3 (Threshold 80/100)		100

**Note on thresholds and other relevant points.** Candidates will need to pass a threshold of 35/50 in the external evaluation to be considered for the interview stage. After completion of all interviews, the SB will elaborate the final ranking list with respective weights of 50% (remote evaluation) and 50% (interview). Candidates will need to pass a threshold of 80/100 to be offered a position. Where two or more candidates obtain the same average score, the following tiebreak criteria will apply to make the final ranking (in order of precedence): Higher score in excellence at the remote evaluation > Higher score in project and career prospect at interview stage > Gender increasing balance among the top 16 ranking candidates.

## 2.6 REDRESS REQUESTS

All candidates have a right to a redress procedure if they feel that the results of the eligibility checks are incorrect or there has been a shortcoming in the way their proposal was evaluated. A redress request can only be based on procedural grounds, with clear evidence of the reasons for complaint that must be provided in the request. The redress procedure is not meant to call into question the judgement made by the expert evaluators.

Applicants may request redress within 10 days after receiving the notification with the result of the eligibility check, the remote evaluation, or the final decision. To submit their request, the Redress request form that can be downloaded from the CarrerasLeaders website must be used. The request must be signed by the applicant (by hand and scanned or by digital signature) and be addressed to [carrerasleaders@carrerasresearch.org](mailto:carrerasleaders@carrerasresearch.org) with the email subject "Redress request – Application reference number and name of the candidate". Redress requests that do not comply with the above requirements will not be considered. All requests for redress will be treated in confidence.

The Redress Committee will organize an examination with external experts only if there is enough evidence of a procedural flaw. A reasoned response to the candidate will be provided within 10 days after receiving the request. After the resolution of all redress requests, the final list of applicants will be officially published on the website.

# 3. WHAT WE OFFER

The Josep Carreras Leukaemia Research Institute offers to all postdoctoral researchers excellent facilities and positive challenging environment to run their research and to become future leaders in their research field. As IJC personnel, fellows will benefit from the support of all IJC administrative units<sup>[7]</sup> and their supervisor, guaranteeing a swift completion of all paperwork and a smooth incorporation in the institute and in the Barcelona Area (Spain).

[7] Several IJC administrative units, such as HR and Grants Office, will work together to take care of the fellow in terms of contract signing, VISA issues, research funds management for their project, trips and accommodation arrangements, etc.

## 3.1 REMUNERATION AND EMPLOYMENT CONDITIONS

The fellowship consists of a 36-months contract with a working week of 39 hours (July and August 35 hours per week) and 23 working days of vacations, plus 9 personal days. Each fellow will receive a salary based on the following table:

	FELLOWS	FELLOWS ELIGIBLE FOR FAMILY ALLOWANCE
Gross Salary	39.700	39.700
Family Allowance		1.800
		----
		41.500
Relocation Costs	850	850

In addition, the fellows will receive the following severance payment upon the termination of their fellowship (to be proportionally reduced in case of contracts of less than 3 years):

- 3.970 € for the fellows without family allowance
- 4.150 € for the fellows with family allowance.

Net salaries will be calculated upon recruitment phase by HR Unit, depending on the personal situation of each fellow. Regarding relocation costs, each fellow will receive this compensation as a unique payment in their first payroll.

## 4. PROCESSING OF DATA

The Josep Carreras Leukaemia Research Institute will process the personal data of the applicants to manage their application in accordance with our selection processes legitimized by the consent that you give when applying to the call. The institute will not transfer their data to third parties, except to the evaluating agency (AGAUR), and will keep them for a maximum period of one year, except in the case of legal obligation. If you wish to exercise your rights of access, rectification, opposition, deletion, limitation of processing or portability, you can contact us at [dpd@carrerasresearch.org](mailto:dpd@carrerasresearch.org). If you consider that your data protection rights have been violated, you can contact the Spanish Data Protection Agency ([www.aepd.es](http://www.aepd.es)).

More information on [Privacy Policy](#).

# 5. ANNEXES

## 5.1 ASSOCIATED PARTNERS OPEN TO ACCEPT SECONDMENTS.

PARTNER ORGANISATION NAME	SHORT NAME	COUNTRY	ACADEMIC (Y/N)
Scienseed SL	Scienseed	ES	N
IBM Research GmbH	IBM Research	CH	N
IMMAGINA BioTechnology SRL	IMMAGINA	IT	N
Milteny Biotech BV & CO KG	Miltenyi	DE	N
Quimatryx SL	Quimatryx	ES	N
MLL Munchner Leukamielabor GmbH	MLL	DE	N
Applied Nanoparticles SL	APPNPS	ES	N
Applied Research using Omic Sciences SL	Aromics	ES	N
OneChain Immunotherapeutics	OneChain	ES	N
GenomeScan B.V.	GS	DE	N
Zeclinics SL	Zeclinics	ES	N
Anaxomics Biotech SL	Anaxomics	ES	N
Humanitas Mirasole SPA	Humanitas	IT	Y
Université Libre de Bruxelles	ULB	BE	Y
Max Planck Gesellschaft zur Forderung der Wissenschaften EV	Max Planck (MPI-HLR)	DE	Y
University of Newcastle upon Tyne	UNEW	UK	Y
Genome Research limited (Wellcome Sanger Institute)	GRL (WSI)	UK	Y
CharitéCentrum für Tumormedizin	Charité	DE	Y
Instituto de Medicina Molecular João Lobo Antunes	iMM	PT	Y
Fondazione per l'Istituto Oncologico di Ricerca (IOR)	IOR	CH	Y
Trustees of Columbia University in the city of New York	Columbia-IGC	US	Y
New York University	NYU-SoM	US	Y
Agencia Estatal Consejo Superior de Investigaciones Cientificas	CSIC-CBM	ES	Y
Ústav molekulární genetiky akademie ved ceske republiky verejna vyzkumna instituce	IMG	CZ	Y
Medizinische Hochschule Hannover	MHH	DE	Y
Deutsches Krebsforschungszentrum Heidelberg	DKFZ	DE	Y
Universitetet i Oslo	UiO	NO	Y
Fundació Institut de Recerca Biomèdica	IRB Barcelona	ES	Y
Kither Biotech SRL	Kither	IT	N
Novogene (UK) Company Limited	Novogene	UK	N
Ecole Polytechnique Fédérale de Lausanne	EPFL	CH	Y
MESOESTETIC Pharma Group SL	MESOESTETIC	ES	N
The European Hematology Association	EHA	ES	Y
Semmelweis University	SU	H	Y

## 5.2 EXPLANATION ON 7-YEARS FROM THE FIRST AWARDED PHD

The following rules and guidelines are in line with the document "Guidelines on the calculation of 8-years research experience in Postdoctoral Fellowships under Horizon Europe". However, in the CarrerasLeaders program, the period has been reduced from 8 to 7 years.

CarrerasLeaders requires that applicants, by the date of the call deadline, comply with the following requirements:

- be in possession of a doctoral degree.
- have a maximum of 7 years full-time equivalent (FTE) experience in research, measured from the date of award of the first doctoral degree. All applicants that have received their PhD degree after 03/05/2016 are automatically eligible to apply, provided the remaining eligibility criteria are met.

The rule of the maximum 7 years full-time equivalent experience in research after the PhD can be extended (in days) for the following reasons:

- Maternity leave (18 months – i.e., 548 days for each child born after the PhD award date, unless the applicant can document a longer parental leave prior to the call deadline).
- Paternity leave (the documented time of parental leave taken until the call deadline for each child born after the PhD award date).
- Research in a non-associated Third Country (only for nationals or long-term residents of Member States or Associated Countries, wishing to reintegrate in Europe).
- Career breaks.
- Compulsory national service.
- Time spent not working in research (career breaks are not included in this section). The period spent in a non-research position should be completely deducted from the FTE experience in research. However, for a period spent in a research position, the time spent outside of your main research activity (including teaching) could be deducted as a percentage of FTE if it can be documented by e.g., work contract/job description and quantified based on documentation/proof which the host organisation (beneficiary) needs to keep for their records (not to be included in the proposal).
- Long term sick leave (periods > 30 days).

In the case an applicant requests an extension of the 7-year experience rule, additional supporting evidence must be provided. If there is any other reason for submitting a request not listed below, please send an email to [tocarrerasleaders@carrerasresearch.org](mailto:tocarrerasleaders@carrerasresearch.org) and it will be checked internally.

## 5.3 LIST OF SCIENTIFIC DOMAINS

### BIOMEDICINE

Biochemistry and Molecular Biology  
Bioinformatics  
Cell Biology  
Genetics  
Immunology  
Microbiology  
Physiology

### ENGINEERING, TECHNOLOGY AND ARCHITECTURE

Aerospace Engineering  
Architectural Composition  
Architectural Constructions  
Architectural Graphic Expression  
Architectural Projects  
Automation and Systems Engineering  
Cartographic Engineering, Geodesics and Photogrammetry  
Chemical Engineering  
Computer Architecture and Technology  
Computer Languages and Systems  
Computer Science and Artificial Intelligence  
Construction Engineering  
Data science and technology  
Electrical Engineering  
Electronic Technology  
Electronics  
Engineering Projects  
Environmental Technologies  
Fluid Mechanics  
Graphic Expression in Engineering  
Hydraulic Engineering  
Land Engineering  
Materials Science  
Mechanical Engineering  
Mechanics of Continuous Media and the Theory of Structures  
Medical engineering  
Mining  
Nanotechnology  
Navigation Sciences and Techniques  
Nuclear Engineering  
Production Process  
Signal Theory and Communications Telematic  
Engineering  
Textile and Paper Engineering  
Thermal Machinery and Engines  
Transport Infrastructure and Engineering  
Urban and Regional Planning

## HEALTH AND MEDICAL SCIENCES

Basic Psychobiology  
Behavioural Sciences Methodology  
Comparative and Pathological Anatomy  
Dermatology  
Histology  
Human Anatomy and Embryology  
Legal and Forensic Medicine  
Medical biotechnology  
Medicine  
Nursing  
Obstetrics and gynaecology  
Ophthalmology  
Otolaryngology  
Parasitology  
Pathological Anatomy  
Paediatrics  
Personality and psychological evaluation and treatments  
Pharmacology  
Pharmacy and Pharmaceutical Technology  
Physiotherapy  
Preventive Medicine and Public Health  
Psychiatry  
Psychobiology  
Radiology and Physical Medicine  
Stomatology  
Surgery  
Toxicology

## NATURAL AND AGRI-FOOD SCIENCES

Agroforestry Engineering  
Animal Health  
Animal production  
Botany  
Ecology  
Food Technology  
Nutrition and Bromatology  
Pedology and Agricultural Chemistry  
Physical Anthropology  
Plant Physiology  
Plant production  
Zoology

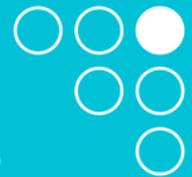
## SCIENCES

Algebra  
Analytical Chemistry  
Applied Mathematics  
Applied Physics

Astronomy and Astrophysics  
Atomic, Molecular and Nuclear Physics  
Condensed Matter Physics  
Crystallography and Mineralogy  
Earth Physics  
Electromagnetism  
Extrenal Geodynamics  
Geometry and Topology  
Inorganic Chemistry  
Internal Geodynamics  
Mathematical Analysis  
Mineral Prospecting and Research  
Optics  
Organic Chemistry  
Paleontology  
Petrology and Geochemistry  
Physical Chemistry  
Statistics and Operations Research  
Stratigraphy  
Theoretical Physics

Apply and join our fight for  
advancing the cure of blood  
cancers

**CarrerasLeaders**



*Our fight will endure  
until there's a cure*

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