

  IRB Institut de Recerca Biomèdica Catalunya Sud CatSud	CRIDA DE CANDIDATS		
	OT-URE-FOR-011	Revisió: 00	Data: 03-07-24
			Pàgina 1 of 4

CALL: SEEKING CANDIDATES TO APPLY FOR POSTDOCTORAL RESEARCHER OPPORTUNITY – Juan de la Cierva 2026

L'Institut de Recerca Biomèdica Catalunya Sud (IRBCatSud) is an institution that integrates biomedical research in the Camp de Tarragona and Terres de l'Ebre regions. The IRBCatSud serves as the coordinating body for biomedical research and innovation for the university hospitals in both healthcare regions (Hospital Universitari Joan XXIII de Tarragona, Hospital Verge de la Cinta de Tortosa, Hospital Universitari Sant Joan de Reus, Hospital Universitari Institut Pere Mata de Reus) and Universitat Virgili.

Research Group: PrEHeaL—Precision Environmental Health Lab
Field: Analytical chemistry

Advanced exposomics and children's health

The **PrEHeaL—Precision Environmental Health Lab**—research group seeks candidates with a strong background in analytical chemistry to jointly prepare applications for the Juan de la Cierva 2026 postdoctoral fellowship programme.

PrEHeaL aims to advance the characterisation of the chemical exposome and its relationship with health, with particular emphasis on exposures during early life. We integrate analytical chemistry, wearable technologies and omics approaches within a multidisciplinary team connecting chemistry, biochemistry, engineering and paediatrics. We conduct our research at the Institut de Recerca Biomèdica Catalunya Sud (IRBCatSud, Tarragona, Spain), a CERCA research centre, in collaboration with Universitat Rovira i Virgili and the region's university hospitals.

The main objective of this project is to **improve the characterisation of personal exposure to chemical contaminant mixtures using wearable devices**, including silicone wristbands and other portable sampling and monitoring systems. We aim to connect analytical development with applications in environmental health studies, particularly in paediatric populations. Successful candidates will help develop and validate methods to extract and analyse trace-level contaminants, evaluate sampling device performance, and apply these tools under real-world exposure conditions.

1 / 4

JUAN DE LA CIERVA GRANT CONDITIONS

Key funding and employment terms of the Juan de la Cierva call include:

Contract Duration: 3 years (36 months).

Gross Annual Salary: €31,200 gross / year.

Research & Mobility Allowance: €15,000 additional funding for research activities, conference attendance, and scientific mobility.

Link: <https://www.aei.gob.es/en/announcements/announcements-finder/ayudas-contratos-juan-cierva-2026>

CANDIDATE REQUIREMENTS & DESIRED PROFILE

- PhD in Chemistry or a related discipline, with a strong background in analytical chemistry.
- For the general application track, the PhD must have been awarded between 1 January 2024 and 31 December 2026, subject to the eligibility extensions specified in the call.
- Compliance with the mobility requirements and all other eligibility conditions of the Juan de la Cierva 2026 call.
- Experience in chromatography coupled to mass spectrometry.
- Ability to work independently in the laboratory, strong critical thinking skills and a collaborative approach to multidisciplinary research.
- Interest in pursuing a research career in exposomics and environmental health.

DESIRABLE EXPERIENCE AND SKILLS

- Experience in sample preparation and in developing and validating methods for trace-level contaminant analysis.
- Knowledge of analytical quality control, data processing and interpretation.
- Experience in targeted analysis, suspect screening and non-targeted analysis.
- Knowledge of passive sampling, wearable devices or human exposure assessment.

APPLICATION PROCESS

Interested candidates should send their CV and a brief description of their research experience and scientific interests to noelia.ramirez@irbcatsud.cat, using the subject line "Juan de la Cierva 2026 – PREHEAL", by **4 November 2026**.

#JuanDeLaCierva #AnalyticalChemistry #Exposomics #EnvironmentalHealth #Postdoc

INSTITUTIONAL POLICIES & HR EXCELLENCE

HR EXCELLENCE IN RESEARCH (HRS4R)

IRBCatSud holds the European accreditation 'Human Resources Strategy for Researchers' (HRS4R), complying with the general principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers. IRBCatSud enforces an internal recruitment policy following Open, Transparent and Merit-based Recruitment (OTM-R) guidelines.

Equal Opportunities and Non-Discrimination

IRBCatSud guarantees equal opportunities and treatment for all candidates, promoting personal autonomy, universal accessibility, and inclusion in accordance with Articles 9.2, 10, 14, and 49 of the Spanish Constitution and the International Convention on the Rights of Persons with Disabilities. In the event of a tie during candidate evaluation, priority will be given to hiring individuals with disabilities. In the event of a tie between candidates of different genders, priority will be given to the least represented gender within the research group/department.

We look forward to receiving your applications.

CONTROL DE CANVIS		
Data	Revisió	Modificacions
03-07-24	00	Creació document