

MSCA-PF: Expression of Interest

1. European Postdoctoral Fellowships

Purpose

- Support excellent researchers of **any nationality** who want to conduct research in Europe or move within Europe.
- Enhance scientific excellence, mobility, and acquisition of new skills through advanced training.
- Improve talent and facilitate knowledge transfer across Europe.

Mobility & Eligibility

- Supported fellows must be **postdoctoral researchers** at the date of the call deadline.
- At the call deadline, researchers must have a **maximum of 8 years** full-time equivalent experience in research, measured from the date of award of the doctoral degree.
- Researchers must comply with the **mobility rule**: they must not have lived or worked in the host country for more than 12 months in the last 36 months before the call deadline.
- Researchers can be of **any nationality**.

Duration

- 12 to 24 months hosted in an EU Member State or Horizon Europe Associated Country.
- An **additional period of up to six months at the end of the project** can be awarded to researchers who will spend that period in a non-academic organisation established in an EU Member State or Horizon Europe Associated Country.

Impact for Fellows

- Improved research and transferable skills.
- International, inter-sectorial and interdisciplinary experience
- Stronger employability inside and outside academia.
- Broader networks and enhanced communication skills.

Allowance

There are two types of contributions:

- a) Contributions for the recruited researcher (per person-month)
- **Living allowance: 6350€** (minus all compulsory deductions under national legislation).
 - **Mobility allowance: 710€**. This allowance covers their additional, private mobility-related costs (e.g. travel and accommodation costs).
 - **Family allowance: 660€**. If the postdoctoral researcher has or acquires family obligations during the action duration
 - **Long-term leave allowance: 7060€ * % covered by the beneficiary**. This allowance contributes to the personnel costs incurred by the beneficiary in case of the researcher's leave, including maternity, paternity, parental, sick or special leave, longer than 30 consecutive days.
 - **Special needs allowance: Requested unit * (1/number of months)**. This allowance contributes to the additional costs for the acquisition of special needs items and services for researchers with disabilities
- b) Institutional unit contribution (per person-month)
- **Research, training and networking contribution: 1000€**. This should cover, for example, costs for training and networking activities that contribute directly to the researchers' career development.

A country correction coefficient (CCC) applies to the living allowance to ensure equal treatment and purchasing power parity for all researchers. For Spain, the CCC is **94.2%**.

For more information, you can access the full work programme [here](#).

2. Brief description of IRB CatSud

The Institut de Recerca Biomèdica Catalunya sud (IRB CatSud) is an institution that integrates research in the field of biomedicine in the Camp de Tarragona and the Terres de l'Ebre. IRB CatSud is the instrument that the university hospitals of both health regions have been endowed with (Joan XXIII University Hospital of Tarragona, Verge de la Cinta Hospital of Tortosa, Sant Joan de Reus University Hospital, Institut Pere Mata University Hospital of Reus) and Rovira and Virgili University, in order to bring together and manage biomedical research and innovation in the territory.

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Seu Tarragona:

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The research we lead aims to answer relevant questions related to the health of the population through the scientific method, the most advanced technology and the talent of the people who work in our teams. We listen to patients, we look for strategies to develop our projects, we seek financing to carry them out and, finally, we transfer the results achieved to society by promoting spin-offs or medical devices that we patent.

IRB CatSud and the research groups that belong to it have enormous international prestige. We are part of the CERCA institution (Institution of Research Centers of Catalonia Foundation (I-CERCA) of Catalonia).

For more information about our Institute, visit the following website:
<https://www.iispv.cat/en/>

3. Short presentation about the group and research lines

Emergency Research Group (GRUEM)

The Emergency and Urgent Care Research Group focuses on the epidemiology, prevention, and treatment of sudden cardiac death (SCD) through an integrated research approach combining multiple healthcare data sources.

The group has developed a consolidated research infrastructure based on the Catalonia Cardiac Arrest and Sudden Death Registry (RAIMCAT), a population-based registry integrating data from Emergency Medical Services (EMS), forensic services, hospital records, and primary care databases. This multi-source registry allows comprehensive analyses of sudden cardiac death across Catalonia and supports innovative research on prevention strategies, risk prediction, and personalized resuscitation.

Research activities focus on the prevention and management of sudden cardiac death across different temporal stages. Long-term prevention includes epidemiological studies integrating multiple health data sources, with particular attention to gender differences, toxic exposures such as alcohol and drugs, psychiatric disorders, and environmental risk factors. Mid-term prevention aims to develop predictive models based on artificial intelligence and advanced statistical methods that integrate clinical history, electrocardiographic markers, environmental variables, and warning symptoms reported in the weeks preceding cardiac arrest. Short-term prevention focuses on the development of early detection systems using digital health technologies, including wearable devices, remote monitoring systems, and coordinated first-responder alert networks through emergency dispatch centers. In addition, the group conducts research on personalized

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resuscitation strategies during prolonged cardiac arrest, including optimization of chest compression depth, defibrillation strategies, and patient selection for advanced therapies such as fibrinolysis or extracorporeal cardiopulmonary resuscitation (ECMO-CPR).

More information: <https://www.iispv.cat/en/grup/grup-de-recerca-en-urgencies-i-emergencies/>

Candidate profile

The group welcomes both technical and clinical candidates interested in multidisciplinary research on sudden cardiac death. Technical profiles may include expertise in predictive modelling, artificial intelligence, health data integration platforms, and clinical data visualization. Clinical candidates are expected to engage with the multifactorial determinants of sudden cardiac death, including cardiovascular disease, toxic exposures, and environmental stressors.

Supervisor profile

The group is led by Youcef Azeli, MD, PhD, a physician specialized in Family and Community Medicine and Emergency Medicine with extensive experience in both prehospital emergency care and hospital emergency departments. He currently works within the Research and Development Area of the Catalan Emergency Medical Services and leads the Emergency and Urgent Care Research Group at IRB CatSud.

Dr. Azeli pioneered the development of a multi-source registry for the study of sudden cardiac death in the Mediterranean region, enabling the most accurate epidemiological estimates of SCD in this area. His work has been published in leading international journals and has contributed significantly to advances in resuscitation science, particularly in the field of personalized cardiopulmonary resuscitation.

Since 2026, he has also been a member of the European COST Action network PREMEDICARE (Precision Medicine for Cardiac Arrest).

Brief description of our Institute

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Hospital of Reus) and Rovira and Virgili University, in order to bring together and manage biomedical research and innovation in the territory.

If you are interested in this opportunity, send your expression of interest to upi@irbcatsud.cat, indicating the MSCA-PF + research group in the subject.

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Impact for Host Institutions

- Increased global attractiveness, visibility and reputation
- Stronger R&I capacity.
- Better knowledge transfer and integration of research into teaching.