

JOB OFFER

Lleida Biomedical Research Institute is recruiting a:

- Senior Research Technician G1 -

The Institute

The IRBLleida aims to promote, develop, transfer, manage and disseminate research excellence, scientific and technological knowledge, teaching and training in the field of life sciences and health. To this end, it promotes relations and the exchange of knowledge between the research staff and research groups belonging to the various centres and entities in the biomedical field, which operate mainly in the Lleida area; it promotes collaboration with other institutions and entities, prioritising the implementation of joint projects; it raises funds to finance research activities of excellence of interest to the aforementioned centres and devices; and it manages the research resources entrusted to it by the various institutions and entities that form part of it. Within the territorial environment, it collaborates closely with:

- The [University of Lleida](#) (UdL) includes researchers from the Faculties of Medicine and Nursing and Physiotherapy.
- The Catalan [Healthcare system](#) includes healthcare staff from:
 - [Catalan Health Institute \(ICS\)](#): [Arnau de Vilanova University Hospital](#) (HUAV), [the Lleida Primary Care and Community](#) and [Primary Care in the Alt Pirineu-Aran Health Region](#)
 - [Gestió de Serveis Sanitaris](#) (GSS): [Santa Maria University Hospital](#) (HUSM), [Pallars Regional Hospital](#) and [Mental Health](#), among others.

The IRBLleida is a [CERCA](#) institute with its own legal status: Fundació Institució dels Centres de Recerca de Catalunya (I-CERCA) de Catalunya, which is organised according to a model of good governance and operation that ensures efficiency, management flexibility, recruitment and promotion of talent, strategic planning and executive capacity. It is also a Health Research Institute (IIS) accredited by the [Carlos III Health Institute](#) and the Government of the Generalitat, as established by Law 16/2003, of 28 May, on the cohesion and quality of the national health system.

In December 2014, the Lleida Biomedical Research Institute's received the '[HR Excellence in Research](#)' logo from the European Commission. This is a recognition of the Institute's commitment to developing an HR Strategy for Researchers, designed to bring the practices and procedures in line with the principles of the [European Charter for Researchers](#) and the [Code of Conduct](#) for the Recruitment of Researchers (Charter and Code).

Please, [check out our Recruitment Policy](#)

Professional profile:

- Senior Research Technician G1

Requirements and characteristics to be met:

- Graduate in Biology, Chemistry, Biochemistry, Biotechnology, Pharmacy, Biomedicine or similar.
- Specific training in liquid chromatography and mass spectrometry.
- Training and experience in metabolomic and lipidomic analysis (extraction methods, specific liquid chromatography and mass spectrometry methods, specific software such as metaboanalyst, metlin or Mass Profiler Professional, etc.).
- Training and experience in processing, interpretation and analysis of metabolomic and lipidomic data.
- Experience in sample processing.

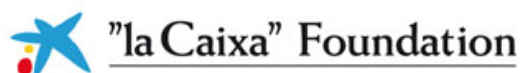
Experience required (must document experience in at least three of them to be eligible)

- Be developing or have completed a PhD in the field of neurodegenerative diseases based on metabolomic/lipidomic techniques.
- Publications in the field of neurodegenerative diseases.
- Publications in the field of metabolomics/lipidomics.
- Experience in writing research projects, reports and scientific articles.
- Experience in bibliographic research.

Context and tasks to be developed:

The activity of this contract will be carried out within the framework of the “to unravel the role of metabolism and oxidative stress in the origin and development of age-related pathologies, with special emphasis on neurodegenerative diseases” research line, corresponding to the "Metabolic Physiopathology" research group at IRBLeida, in accordance with that established in the terms and conditions of the call for applications.

The person selected will join IRBLeida to work as a senior research technician on the project "FROM GFAP MUTATIONS IN ASTROCYTES TONO NEURODEGENERATION: EXPLORING A LIPID-*PROTEIN OXIDATION PATHWAY". The project has received funding from the "LA CAIXA" Foundation with project code HR21-00259 (HEALTH RESEARCH 2021 PROGRAMME).



The main tasks include:

- Optimisation and fine-tuning of targeted and non-targeted lipidomics methodology required for the project.
- Generation of metabolomics and lipidomics datasets (targeted and untargeted) in disease-relevant biological samples (cell cultures and brain organoids).
- Metabolomics/lipidomics-based functional characterisation of cell cultures and organoids by metabolic reconstruction.
- Identification of key metabolic pathways in collaboration with project partners.

Desirable but not required/ Nice to have

- Specific training in liquid chromatography and mass spectrometry.
- Scientific publications accrediting experience in the application of metabolomic/lipidomic techniques in neurodegenerative diseases.
- Methods of sample processing for metabolomic and lipidomic analysis.
- Methods of metabolomic and lipidomic analysis based on LC-MS.
- Bioinformatics analysis of metabolomics/lipidomics data.
- Participation in projects where neurodegenerative diseases play a relevant role.
- Participation in projects where metabolomics/lipidomics plays a relevant role.
- Experimental work in metabolomics/lipidomics.
- Analysis based on multi-omics data networks.
- Ability to write and prepare reports.
- Fluency in spoken and written English.

We are looking for motivated, collaborative and resourceful people. We expect the candidate to work in a multidisciplinary team in collaboration with European research groups. Therefore, they must be fluent in spoken and written English, and have strong teamwork, communication and interpersonal skills.

The Offer – Working Conditions

- Type of contract: Indefinite for scientific-technical activities.
- Expected start date of the contract: 1 November 2022.
- Working hours: Full 37.5 hours per week.

- Remuneration: 29.222,79 euros gross per year.

We provide a highly stimulating environment with state-of-the-art infrastructures. To check out our training and development portfolio, please visit our website in the [training section](#).

We offer and promote a diverse and inclusive environment and welcomes applicants regardless of age, disability, gender, nationality, race, religion or sexual orientation.

The IRBLeida is committed to reconcile a work and family life of its employees and are offering the possibility to benefit from flexible working hours.

Documents and application deadline:

All applications must include:

- A motivation letter
- A complete CV including contact details and National Identity Document number
- Provide 2-3 references to justify the required experience.

Deadline: Please submit your application by October 12, 2022. Latest time for the submission of applications: 14:00 h - Europe/Brussels

Those interested can apply to the 054-22 offer by filling out the form available at <https://www.irbllleida.org/ca/job-application/> and attaching a CV and a cover letter.

Selection process schedule for reference 054-22	
15 days	Publication and dissemination of the job offer: IRBLeida website, social networks, other employment websites according to the features of the job offered
Next 2 working days	Transfer of the CVs to the Selection Committee

Next 5 working days	Meeting of the Selection Committee: <ul style="list-style-type: none"> - Interview of the pre-selected candidates - Evaluation of the candidates and meeting minutes certifying the candidate awarded with the position - Communication of the selected candidate to HR
Next 5 working days	Completion of the paperwork required to formalize the employment contract
Immediate	Approximate contract starting date
Express selection process	
<p>When an employee must be replaced urgently, for instance, to cover a sick leave, scientific reasons justifying the incorporation on a specific day, specification in a resolution, etc., an express selection process could be undertaken.</p> <p>This selection process will follow the same procedure as the ordinary one, but the duration of several steps will be reduced, <i>i.e.</i> publication of the job offer, submission of applications, evaluation and selection process.</p>	

The contract will be in accordance with the provisions of **article 15 of Royal Legislative Decree 1/1995, of 24 March**, approving the text of the Workers' Statute Act, in accordance with the provisions of **article 2 of Royal Decree 2720/98, of 18 December (B.O.E. of 8 January 1999)**, **Law 12/2001, of 9 July (B.O.E. of 10 July)** and concordant provisions.

The principle of equality between men and women is taken into account, in accordance with **Organic Law 3/2007, of 22 March**, for the effective equality of women and men.

The principle to equal opportunities and treatment, as well as the real and effective exercise of rights by people with disabilities on equal terms with other citizens, through the promotion of personal autonomy, universal accessibility, access to employment, inclusion in the community and independent living and the eradication of any form of discrimination, 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 and the international treaties and agreements ratified by Spain, in accordance with the provisions of **Royal Legislative Decree 1/2013, of 29 November**.

Informative clause for the processing of personal data

Responsible: Institut de Recerca Biomèdica de Lleida Fundació Dr. Pifarré

Purpose: Management of job offers.

Legitimation: The legal basis of the treatment is the completion of a selection process to fill a position.

Recipients: The data will not be transferred to third parties, except in the legal obligations set by law.

Rights: Access, rectification and deletion of data, as well as other rights, as explained in the additional information.

Additional information: Additional and detailed information on Data Protection can be found our website <http://www.irbleida.org/en/legal-notice/>

IRB Lleida is committed to the principles of merit-based recruitment and transparency (OTM-R) in accordance with the HRS4R seal requirements.

ANNEX I: SELECTION COMMITTEE

PRESIDENT

- Institut de Recerca Biomèdica de Lleida Principal Investigator
 - Dr. Diego Arango del Corro

CHAIRS

- Researcher IRBLleida
 - Dr. Pamplona

- Researcher IRBLleida
 - Dra. Jové

- Researcher IRBLleida
 - Dra. Obis

SECRETARY

- Head of Human Resources and Public Procurement at IRBLleida
 - Mrs. Elena Moscatel Mendelsohn

ANNEX III: SCALE OF MERITS

a) Academic curriculum and additional training: - 40 points.

Valued:

- Specific training in liquid chromatography and mass spectrometry. 20 points
- Scientific publications accrediting experience in the application of metabolomic/lipidomic techniques in neurodegenerative diseases 20 points

b) Certified professional experience - 40 points

- Required experiences (you have to document experience in at least four of them to be eligible) 25 points
 - Methods of sample processing for metabolomics and lipidomics analysis
 - LC-MS-based metabolomics and lipidomics analysis methods
 - Bioinformatics analysis of metabolomics/lipidomics data
 - Participation in projects where neurodegenerative diseases play a relevant role.
 - Participation in projects where metabolomics/lipidomics plays a relevant role.
 - Experience in bibliographic research
- Desired experiences 15 points
 - Experimental work in metabolomics/lipidomics.
 - Ability to write and prepare reports
 - Fluency in spoken and written English

c) Competence test or interview – 20 points

Criteria subject to a value judgement will be assessed on the basis of