

JOB OFFER

Lleida Biomedical Research Institute is recruiting a:

- Postdoctoral researcher-

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:

- Postdoctoral researcher

Must Have (excluding):

- Hold a doctoral degree
- PhD or Master degree in Bioinformatics, preferably with emphasis on metabolomics/lipidomics data and system's biology.

Required Experiences (you must document experience in at least three of these to be eligible)

- Methods for LC-MS based metabolomics and lipidomics analyses
- Bioinformatics analysis of metabolomics and lipidomics data, with integrative capacity with other system's biology approaches, namely proteomics.
- Bioinformatics processing and analysis of large multi-omics datasets.
- Fluent programming skills in at least one language.

Main duties/responsibilities

The selected person will join IRBLleida to carry out tasks as a postdoctoral researcher for the project "FROM GFAP MUTATIONS IN ASTROCYTES TO NEURODEGENERATION: EXPLORING A LIPID-PROTEIN OXIDATION PATHWAY". The project has received funding from "LA CAIXA" Foundation under the project code HR21-00259 (HEALTH RESEARCH 2021 PROGRAM).



Major tasks include:

- Generation of metabolomics and lipidomics datasets (targeted and untargeted) in relevant biological samples of the diseases (cell cultures and brain organoids).
- Metabolomics based functional characterization of cell cultures and organoids using metabolic reconstruction.
- Identification of key metabolic pathways using network analysis and empiric dynamic modelling in collaboration with project partners.

The main purpose of the postdoctoral position is to generate and test scientific hypothesis, qualifying for work in high-level scientific positions with fully accountability. A PhD degree is therefore required.

Desirable but not required/ Nice to have

- Experimental work in metabolomics/lipidomics.
- Network-based analysis of multi-omics data.
- Writing and reporting skills.

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

The Offer – Working Conditions

- Type of contract: Work and service to carry out a research project.
- Start and end date of the contract: 1st March 2022- End of project
- Workweek: 37.5 hours per week
- Remuneration: 34.342,00 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 IRBLleida 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 15th February 2022. Latest time for the submission of applications: 14:00 h - Europe/Brussels

Those interested can apply to the 003-22 job offer by filling out the form available at <https://www.irblleida.org/ca/job-application/> and attaching a CV and a cover letter.

Selection process schedule for reference 003-22	
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 - Raising the proposal for appointment to the Board of Trustees
	Approval of the Board of Trustees
Next 5 working days	Completion of the paperwork required to formalize the employment contract
February 2022	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/>

IRBLleida 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 Scientific Director or person to whom he delegates
 - Dr. Arango

CHAIRS

- IRBLeida Researcher
 - Dr. Pamplona
- IRBLeida Researcher
 - Dra. Jové
- IRBLeida Researcher
 - Dra. Obis

SECRETARY

- IRBLeida HR Manager
 - Sra. Moscatel

ANNEX II: SCORE OF MERITS

a) Academic curriculum and complementary training: academic record of the degree. 40 points.

Valued:

- PhD degree in application of biostatistics and/ or bioinformatics in metabolomics/lipidomics data and system's biology 25 points
- Master degree in application of biostatistics and/ or bioinformatics in metabolomics/lipidomics data and system's biology 15 points

b) Certified professional experience. 40 points

Valued:

- Required Experiences (you must document experience in at least three of these to be eligible) 25 points
 - Methods for LC-MS based metabolomics and lipidomics analyses
 - Bioinformatics analysis of metabolomics and lipidomics data, with integrative capacity with other system's biology approaches, namely proteomics.
 - Bioinformatics processing and analysis of large multi-omics datasets.
 - Fluent programming skills in at least one language.
- Desired experiences 15 points
 - Experimental work in metabolomics/lipidomics.
 - Network-based analysis of multi-omics data.
 - Writing and reporting skills
 - Proficient in both written and spoken English

c) Competency test or interview.

20 points