

## CONV. ID-40/2020 IDIBAPS

### 1. POSITION OFFERED

1.1. A job is being opened to cover **1 Position of Postdoctoral Researcher (R2A)** to support the research of **INSTITUT D'INVESTIGACIONS BIOMÈDIQUES AUGUST PI I SUNYER (IDIBAPS)** at the research project "*BLOC: BENCHTOP NMR FOR LAB-ON-CHIP*", Grant Agreement Number: CE\_2019\_863037, funded by EUROPEAN COMMISSION. With temporary contract in the following professional category:

#### Required qualifications and skills:

- **Required Education Level:** PhD in Biology, Biochemistry, Biomedicine or in any other biomedical-related discipline.
- **Experience required:**
  - Essential Requirements:
    - Solid background in Metabolism and Endocrinology.
    - Experience in animal models of metabolic diseases (preferably diabetes and/or liver disease).
    - Proven experience in Molecular and Cellular Biology techniques.
    - Good publication record with at least 1 first-author article in a high impact journal.
  - Although not required but desirable, candidates will receive higher consideration if they have previous experience in:
    - Gene expression profiling, transcriptional regulation and/or metabolomics.
    - NMR and other spectroscopy techniques.
    - Pancreatic islet isolation and culture.
- **Required Languages:** English (correctly written and spoken).

#### Job description / Tasks to be developed:

The Pathogenesis and Prevention of Diabetes group at IDIBAPS is looking for a highly motivated postdoctoral researcher to work in the context of an H2020 project led by Dr. Joan-Marc Servitja and Dr. Anna Novials. Combining clinical and basic research, this interdisciplinary research team conducts studies in animal models and in humans to better understand diabetes and to create innovative methods of treatment and prevention.

The overall objective of the project is to develop a new technology based on magnetic resonance spectroscopy and imaging using dynamic nuclear polarisation (DNP-MR) integrated with Organ-on-a-chip (OOC) devices to monitor disease and evaluate drug response in OOC models. As a proof-of-concept, this project will fabricate a biomimetic multi OOC integrated device composed of liver spheroids and pancreatic islets and develop the necessary DNP-MR hardware and software to study metabolic diseases and for future drug screening applications. The IDIBAPS team is leading one of the work packages.

The selected candidate will participate in the following tasks:

- Generation and phenotyping of animal models of diabetes and obesity.
- Isolation of liver cells and pancreatic islet to be included in OOC devices.
- Characterization of metabolomics and transcriptomics profiles of liver and pancreatic islets.
- Determination of metabolites by NMR in live animals.
- Accurately document and publish research findings.

#### Presentation of applications:

**All documents must include the reference code of the job offer (see upper left corner of the call).**

- Candidates must enclose a motivation letter (Statement of Research Interest) and their Curriculum Vitae.
- Proof of the merits exposed, and the degree obtained must also be included in the application.
- The application must include also signed authorization in reference to personal data protection law - European Regulation (UE) 2016/679- (Document attached, Page 3).

**Place of submission:** (clearly indicating the reference code of the job offer)

1. Delivering it personally to the Dept. of human resources, located on the Esther Koplowitz Centre, C/Rosselló 149, from 10 am to 1 pm from Monday to Friday.
2. By e-mail to the e-mail address [rrhh.fundacio@clinic.cat](mailto:rrhh.fundacio@clinic.cat)

**Application Deadline:** 30/06/2020

**1.2.** The recruitment will be carried out according to the provisions of Article 15 of the Royal Legislative Decree 1/1995, of 24 March, which approves the text of the law of the Statute of workers, in accordance with the provisions of art. 2 of the Royal Decree 2720/98, of 18 December (BOE of 8 January 1999), law 12/2001, of 9 July (B.O.E. of 10 July) and concordant provisions.


The principle of equal treatment between men and women will be considered, according to article 14 of the Spanish Constitution, the Community Directive of 9 February 1976 and what is foreseen in the agreement of the Council of Ministers of 4 March 2005, which approves the plan for gender equality in the General Administration of the State.

The universal accessibility for disabled persons will be considered according to the second paragraph of Article 1 of the law of December 2 51/2003 of equality of opportunities; 5% of the vacancies are preserved when candidates' pass the selection process and disabilities are proved. Also, compatibility with the tasks associated to the job must be proved so that progressively we reach 2% of all workforces.

**1.3.** Annual gross remuneration inherent to the job offer object of this call will be fixed on the basis of the experience provided and the skills of the candidates.

**1.4.** In accordance with Regulation (EU) 2016/679 of 27 April 2016 on the protection of natural persons with regard to the processing of personal data (hereinafter the "Regulation"), we hereby inform you that:

- The party responsible for processing your data is the Institut d'Investigacions Biomèdiques August Pi i Sunyer (hereinafter "IDIBAS"), with Corporate ID No. Q5856414G, and registered address in Barcelona, Carrer Rosselló 149-153. You may contact the Data Protection Manager by sending an email to [protecciodades.recerca@clinic.cat](mailto:protecciodades.recerca@clinic.cat) or by writing to the Legal Director at Carrer Rosselló 149-153, Barcelona.
- When presenting your candidacy or sending us your CV, your data must be communicated with the aim and purpose of allowing employees at the entity to carry out management and selection processes.
- The information will be used by administrative and employee services in our entity, for their corresponding services, and may be submitted in full or in part to any authorities that, for legal reasons, require this type of information.
- The data provided will be held for a period of 1 year, and in addition once the relationship has been completed the data will be held for the period necessary to comply with legal provisions.
- The data provided may be transferred to a third country or international organisation, where necessary to justify the contract and/or salary of the employee providing the data.
- You have the right to access your data, request rectification of inaccurate data or request the removal of your data. Equally, you have the right to restrict the processing of your data, and you may oppose or withdraw consent for your data to be used in certain circumstances. You may exercise these rights by writing to the Legal Director at Carrer Rosselló 149-153, Barcelona, or by sending an email to [protecciodades.recerca@clinic.cat](mailto:protecciodades.recerca@clinic.cat). We also inform you of your right to file a complaint with the Catalan Data Protection Authority (Autoritat Catalana de Protecció de Dades) for any action taken by IDIBAPS that you believe infringes your rights.



Barcelona a 22/05/2020  
Marta Fernández Cufí  
Human Resources Manager

**I Authorize at:**

INSTITUT D'INVESTIGACIONS BIOMÈDIQUES AUGUST PI I SUNYER (IDIBAPS) to treat my personal data for the personnel selection procedure, which will cede it only in these legally enforceable cases, in accordance with the provisions of European Regulation (UE) 2016/679, and corresponding regulations that develop it.

Name:  
Signed:

Barcelona,