



Nº REF.: ID-15/2022

POSITIONS OFFERED:

1 Position of R2A-Postdoctoral Researcher (G1-Researchers) to support the research of **INSTITUT D'INVESTIGACIONS BIOMÈDIQUES AUGUST PI I SUNYER (IDIBAPS)** for the EIC Pathfinder research project "*4-DBR: 4-Deep Brain Reconstruction.*" with Grant Agreement Number: SEP-210741608, funded by EUROPEAN COMMISSION. The position is a 3-year full time contract.

Extension of the application deadline:

The period to apply to this position has been extended until June, 8th 2022.

Barcelona, June 2nd 2022

Marta Fernández Cufi
Human Resources Manager



UNIÓ EUROPEA

IDIBAPS

Institut
D'Investigacions
Biomèdiques
August Pi i Sunyer

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Extension of the application deadline:

The period to apply to this position has been extended until March, 31th 2022.

Barcelona, March 11th 2022

Marta Fernández Cufí
Human Resources Manager



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CONV. ID-15/2022 IDIBAPS

1. POSITION OFFERED

1.1. A job is being opened to cover **1 Position of R2A-Postdoctoral Researcher (G1-Researchers)** to support the research of **INSTITUT D'INVESTIGACIONS BIOMÈDIQUES AUGUST PI I SUNYER (IDIBAPS)** for the EIC Pathfinder research project "**4-DBR: 4-Deep Brain Reconstruction.**" with Grant Agreement Number: SEP-210741608, funded by EUROPEAN COMMISSION. The position is a 3-year full time contract in the following professional category:

Required qualifications and skills:

- **Required Education Level:** PhD in Bioengineering, Biotechnology, Biology, Biomedicine or similar/equivalent.
- **Experience Required:**
 - ✓ Background in cell biology and neuroscience.
 - ✓ Proven strong laboratory skills.
 - ✓ Research planning and organisation skills.
 - ✓ Experience in animal work and an official title for animal research.
 - ✓ A track record of published papers in neuroscience.
 - **Additional skills will be also considered such as:**
 - Good knowledge in the field of neurodegeneration.
 - Experience in stem cell research.
 - Experience in 3D bioprinting.
- **Required Languages:** Excellent communication skills and proficiency in English.

Job description / Tasks to be developed:

The research group of aim to bring innovative treatments for incurable neurodegenerative diseases by bridging the gap between research and patients. The lab of Stem Cells and Regenerative Medicine led by Dr. Josep M. Canals, is a recognized research group by the Generalitat de Catalunya and is integrated at Creatio, the TECNIO accredited production and validation centre for advanced therapies. With a strong translational drive, we utilise our expertise in developing new strategic therapies based on gene and cell therapy, and tissue engineering, including 3D bioprinting, to develop breakthrough treatments for patients.

An EIC postdoctoral position is available at Stem Cells and Regenerative Medicine laboratory to work on regenerative medicine for neurodegenerative disorders. Huntington's disease (HD) is the most common inherited neurodegenerative disorder caused by mutations in the huntingtin gene. While the onset of HD starts around midlife, our knowledge on the alterations that occur during brain development and how they translate into the pathology in the adult is scarce. The present proposal addresses this fundamental yet poorly understood question by **developing 4D bio-printed mini-brains** as tissue engineering for the treatment of HD. We aim to revert HD symptoms by transplanting bio-printed brain which will be integrated into the damaged brain area. We believe that mini-brains can reconnect the neuronal system improving our current understanding and opening up new strategies to treat this incurable disease. The **4-Deep Brain Reconstruction (4-DBR) Consortium** brings together experts from industry and academia to address this new approach for the treatment of HD.

Research:

- Conduct all research plans for the goals of the **4-Deep Brain Reconstruction (4-DBR)** to achieve the ultimate goal of restoring HD by transplanting de novo developed mini-brains.
- Work in a team and contribute to setting up flexible preclinical pipelines to interrogate disease mechanisms *in vitro* and *in vivo*.

Mentoring & team management: Engage in training of students and assist the Principal Investigator with the supervision of new master and/or PhD students.

Communication: manuscript preparation, seminar/conference presentations and grant writing.



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 and their Curriculum Vitae (including list of publications).
- 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 4).

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

Application Deadline: 20/02/2022.

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 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.



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- 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. 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 11/02/2022
Marta Fernandez Cufi
Human Resources Manager



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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,