

IMDEA Food Institute adheres to the European Charter for Researchers and Code of Conduct for the Recruitment of Researcher.

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## **CALL FOR RESEARCH ASSISTANT IN BIOINFORMATICS FOR THE EUROPEAN PROJECT “FSN-CLOUD” (COMPUTATIONAL BIOLOGY GROUP)**

**(Ref. AIB2022-003)**

The IMDEA Food Institute (Madrid Institute for Advanced Studies in Food) is a research institution created by the Madrid Regional Government in coordination with universities, research centers of Madrid, and enterprises. Constituted as a non-profit organization within the framework of the IV Regional Plan for Scientific Research and Technological Innovation (IV PRICIT), it is conceived - structurally and legally - with the aim of bringing research into society.

IMDEA Food Institute is committed to excellence in research and to foster technology transfer to the industrial sector in a truly international environment. More information about the research and scope of the activities of IMDEA Food Institute can be found at the institute webpage <http://www.food.imdea.org>

In this context, the “FSN-CLOUD” project is developed at IMDEA Food Institute within Computational Biology Group, which requires scientific staff with expertise in bioinformatics. For this purpose and in order to respect the criteria of Open, Transparent and Merit-based Recruitment of Researchers (OTM-R), it HAS RESOLVED to announce the launch of the present Call for proposal for a Bioinformatician researcher position, in accordance with the following conditions

### **1. Position Description.**

The Computational Biology Group within the IMDEA-Food Institute is seeking for a highly motivated profile with expertise in bioinformatics. The candidate will work in the “FSN-CLOUD” project developed in IMDEA Food Institute within Computational Biology Group. The candidate will work in the tasks led by the group maintaining and expanding FoodDrugs database and the webtool based on transcriptomic and text resources from public repositories. The candidate will work in the testing and evaluation of the tool by users with support from other FNS-Cloud partners implementing new services and modifications to the tool. In addition, the candidate will participate in deliverables writing manuscripts and scientific reports.

- Ref. AIB2022-003. Research Assistant in Bioinformatics for “Food Nutrition Security Cloud (FNS-Cloud)” project, according to Annex 1.

Principal Investigator: Dr. Enrique Carrillo de Santa Pau ([enrique.carrillo@imdea.org](mailto:enrique.carrillo@imdea.org))

### **2. Eligibility criteria**

Candidates must be, at the date of the call deadline, in possession of the following requirements:

a) Applicants should be in possession of degree required in Annex 1.

In case of foreign academic degrees, you must have the corresponding recognition or equivalence of official higher education degree or equivalent qualifications issued by the Ministry of Education and Vocational Training of Spain.

b) Candidates from outside - an European Union country or Switzerland, or a country member of the European Economic Area (EEA) -, must have a valid work visa.

- c) Must be in possession of the documentation accrediting the requirements and qualifications set out in Annex 1.

### 3. Evaluation and selection of candidates.

Candidates will be selected based on the profiles described in Annex 1 as appropriately outlined in their CV by a Selection Committee composed by scientist staff of IMDEA Food Institute. Ad-hoc experts could be participating in the process. The best-qualified applicants can be invited locally for an interview by the Selection Committee.

The personal interview will consist of conducting a face-to-face or videoconference interview that will deal only with the merits claimed by the candidates in the competition phase and will be aimed at assessing the candidate's suitability for the position. The interview will have a maximum duration of 45 minutes.

Selection criteria

- I. Additional education: 0-20
- II. Additional Experience & expertise: 0-40
- III. Other merits: 0-10
- IV. Interview: 0-30

### 4. Application.

4.1. Interested candidates should submit their applications through the Recruitment Portal website of the Foundation, with the following documents before the deadline:

- a) *Curriculum Vitae*, preferably in Europass model (<https://europass.cedefop.europa.eu/es/documents/curriculum-vitae>)
- b) Official Academic Titles set up in Annex 1.
- c) Employment History Report (Social Security)
- d) A one-page cover letter explaining clearly why the candidate profile match the education and experience requirements related with the offered position and the interest to join the group.

Please be aware of the following: At any time during the selection process, candidates may be requested to present the documentation justifying the requirements and merits alleged in the *curriculum*.

4.2. Submission of candidatures: Recruitment Portal of the Foundation: <https://jobs.food.imdea.org/> or <https://www.food.imdea.org/careers>- Open Calls >>

- Ref. **AIB2022-003. Research Assistant in Bioinformatics**

4.3. Please note that only applications received through the Recruitment Portal of the Foundation will be considered.

4.4. The deadline for submitting applications will be within 15 calendar days from the following day the publication of this Call.

You will not be able to submit an application after the deadline.

4.5. The results of the selection process will be published in the Recruitment Portal of the Foundation and the selected candidate will be notified by e-mail.

The selected candidate will receive a contractual offer and - if he/she agrees with it - must accept it within five (5) days after notification. Additionally, the resolution will be notified via e-mail to all candidates.

## 5. Incompatibilities

The Foundation is considered a public research organization of the Community of Madrid and belongs to the institutional public sector, therefore, the regulations of incompatibilities established in the Law 53/1984, December 26th and R.D. 598/1985, April 30th, will be applicable to the contract, therefore the candidate must not be involved in any of the incompatibilities contemplated in said regulations.

## 6. Data Protection Policy.

In compliance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data (GDPR), we inform you that the data collected in the present process will be processed by FUNDACIÓN IMDEA ALIMENTACIÓN for the purpose of studying your candidacy in the selection process you opt for as it is necessary to take steps at your request prior to entering into a contract and, where appropriate, to participate with your consent in future processes that may be developed. The candidate may exercise his/her rights of access, rectification, erasure, object and restriction of processing by contacting IMDEA ALIMENTACIÓN. Ctra. de Cantoblanco, 8, 28049 Cantoblanco - MADRID, e-mail: [datos.alimentación@imdea.org](mailto:datos.alimentación@imdea.org). You can obtain more information about the processing of your data and your rights in the Privacy Policy section of [www.food.imdea.org](http://www.food.imdea.org).

## 7. Financing.

This contract is granted funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 863059- FNS-Cloud (H2020-EU.3.2 - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy).

Horizon 2020 (<https://ec.europa.eu/programmes/horizon2020/what-horizon-2020>) is the financial instrument implementing the Innovation Union for the period 2014 to 2020, a Europe 2020 flagship initiative aimed at securing Europe's global competitiveness. It is a temporary European programme which financing comes from European Union funds, so the Fifth Additional provision of Royal Decree-Law 32/2021, of December 28, is applicable.

## 8. Publicity of the call.

Recruitment Portal of IMDEA Food Foundation: <https://jobs.food.imdea.org> or  
<https://www.food.imdea.org/careers> - Open Calls >>

Others:

EURAXESS Jobs Portal de la Comisión Europea: <https://euraxess.ec.europa.eu/jobs/search>

Portal de Empleo de I+D+i Madri+d: <https://mcyt.educa.madrid.org/empleo/>

Red IRIS (red académica y de investigación española): <http://www.rediris.es>

Madrid (Spain), April 2022

Guillermo Reglero Rada  
Director of IMDEA Food Institute

**Annex 1.**

**Ref. AIB2022-003. Research Assistant in Bioinformatics**

The following requirements must be fulfilled by all candidates at the moment of applying:

<b>-REFERENCE:</b> Ref. AIB2022-003. Research Assistant in Bioinformatics	
<b>Job Title</b>	Research Assistant in Bioinformatics for “Food Nutrition Security Cloud (FNS-Cloud)” project
<b>Principal Investigator</b>	Dr. Enrique Carrillo de Santa Pau ( <a href="mailto:enrique.carrillo@imdea.org">enrique.carrillo@imdea.org</a> )
<b>Location</b>	Madrid, SPAIN
<b>Number of positions</b>	1
<b>Job Category</b>	Group I
<b>Job Conditions</b>	<p>Type of contract: Temporary full-time employment contract with trial period established by law.</p> <p>Dedication: Full time with morning and afternoon work from Monday to Friday.</p> <p>Duration: until August 31<sup>st</sup>, 2023</p> <p>Annual gross salary: 25.000 euro</p> <p>The incorporation of the candidate to the IMDEA Food Institute is expected to be immediately after the selection process.</p>
<b>Job description</b>	<p>The Computational Biology Group within the IMDEA-Food Institute is seeking for a highly motivated profile with expertise in bioinformatics. The candidate will be involved in the European project “<i>Food Nutrition Security Cloud (FNS-Cloud)</i>”, a large European consortium with 36 partners. The candidate will work in the tasks led by the group maintaining and expanding FooDrugs database and the webtool based on transcriptomic and text resources from public repositories. The candidate will work in the testing and evaluation of the tool by users with support from other FNS-Cloud partners implementing new services and modifications to the tool. In addition, the candidate will participate in deliverables writing manuscripts and scientific reports.</p> <p>The Computational Biology Group is a multidisciplinary community of bioinformaticians, biostatisticians, molecular biologists and microbiologists focused on the study of nutritional behaviours on health and complex diseases, such as the complexity in the relationships between food, genes and disease to establish precision personalized nutrition strategies based on individual molecular background. The group leader provides focused and tailored mentoring to ensure that group members reach the desired career goals. The candidate will have the opportunity to work in an international environment.</p>
<b>Education</b>	<p><u>Education requirements:</u></p> <ul style="list-style-type: none"> <li>• Degree/Graduated Biology, Biochemistry, Computer Sciences, Physics, Food Sciences and Technology or related fields</li> <li>• Master’s in Bioinformatics, Computational Biology, Applied Mathematics, Data Sciences, Statistics or other related with data sciences will be mandatory.</li> </ul> <p><u>Other Education to evaluate:</u></p> <ul style="list-style-type: none"> <li>• A PhD is not mandatory but it will be highly valued during the selection process.</li> </ul>

<b>Qualifications</b>	<p><u>Experience &amp; expertise required:</u></p> <ul style="list-style-type: none"><li>• Demonstrated experience with UNIX environments</li><li>• Strong programming skills with python, and R</li><li>• Experience with structured and unstructured data</li><li>• Experience with MySQL and MongoDB</li><li>• Experience in code repositories (e.g. Github).</li></ul> <p><u>Other merits to evaluate:</u></p> <ul style="list-style-type: none"><li>• Professional experience of more than one year in research centers or companies will be positively evaluated</li><li>• Participation and work in international environments</li></ul> <p><u>Skills (to evaluate in the interview):</u></p> <ul style="list-style-type: none"><li>• An excellent oral presentation &amp; writing (in English) skills,</li><li>• Ability to perform collaborative research in a highly multi-disciplinary environment</li><li>• Highly independent, motivated, and collaborative person</li><li>• Good organizational and communication skills</li><li>• Significant research initiative.</li></ul>
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