

Call for Bioinformatics Position at IMDEA-Food Institute (Ref. PD2020/002)

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>

Within this context, the IMDEA Food Foundation launches this Call for the recruitment of one researcher who wants to develop their research career at IMDEA Food in Food and Health Area, covering the following position:

The Computational Biology Group within the IMDEA-Food Institute is seeking for a **highly motivated scientist with expertise in Text Mining and Natural Language Processing (NLP)**. The candidate will be involved in the European project “*Food Nutrition Security Cloud (FNS-Cloud)*”, a large European consortium with 36 partners. The candidate will work in the tasks led by the group to design and create Text Mining and Natural Language tools for food-drug interactions. In addition, the candidate will have the opportunity to develop research lines in text mining in the food field related with health.

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.

1. Position Description.

- Ref. PD2020/002. Bioinformatics Position in Text Mining and Natural Language Processing for “*Food Nutrition Security Cloud (FNS-Cloud)*” project, according to Annex 1.

Principal Investigator: Dr. Enrique Carrillo (enrique.carrillo@imdea.org)

2. Eligibility criteria

Candidates must fulfill at the moment of applying the requirements, qualifications and experience according to 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.

4. Application.

Interested candidates should submit their applications before 18 natural days (before 17:00 p.m. local time) counted from the day after the publication of this resolution on the website of the Foundation.

They must send by e-mail to rrhh.alimentacion@imdea.org, with the Reference of the position (Ref. PD2020/002), the following documents before the deadline:

1. Curriculum Vitae (including a cover letter).
2. Cover letter explaining clearly why the candidate profile match the education and experience requirements related with Text Mining and Natural Language Processing
3. At least one reference letter from prior laboratory group leaders or people relevant in her/his career are also requested.

Please be aware of the following: Only applications sent by e-mail to rrhh.alimentacion@imdea.org and with all requested documentation will be taken into account in the process. Otherwise, the candidatures will not be able of being evaluated and will be rejected.

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

The results of the selection process will be published in the IMDEA Food Institute's web page <https://www.food.imdea.org/careers/senior-researchers> 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.

5. Data Protection Policy.

Pursuant to the provisions of 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, and repealing Directive 95/46/EC (General Data Protection Regulation), we inform you that the personal data contained in the CV you sent us will be recorded in a file for which the IMDEA FOOD FOUNDATION with registered office at Ctra. de Cantoblanco, no 8 28049 Madrid (Spain), with the sole purpose of rights of access, rectification, cancellation and objection to their personal data by contacting the IMDEA FOOD FOUNDATION at the above address or by sending us an e-mail to rrhh.alimentacion@imdea.org.

6. Financing.

This contract will be financing by Grant Agreement number 863059 — FNS-Cloud.

7. Publicity.

Publicity of this call will be given in the following websites:

IMDEA ALIMENTACION: <https://www.food.imdea.org/>

Others:

Portal de empleo del sistema madri+d: <http://www.madrimasd.org/empleo/default.asp>

Red IRIS: <http://www.rediris.es/>

Madrid+d: www.madrimasd.org/

EURAXESS Jobs Portal of the European Commission:

<http://ec.europa.eu/euraxess/index.cfm/jobs/index>

Madrid (Spain), 27th of January 2020

Guillermo Reglero Rada
Director of IMDEA Food Institute

Annex 1.

Postdoctoral Position in Computational Biology

Candidates must fulfill the following requirements in the moment of applying:

-REFERENCE: Ref. PD2020/002	
Job Title	Bioinformatics Position in Text Mining and Natural Language Processing within the Project: “Food Nutrition Security Cloud (FNS-Cloud)”.
Principal Investigator	Dr. Enrique Carrillo (enrique.carrillo@imdea.org)
Location	Madrid, SPAIN
Job Category	Bioinformatician
Job Conditions	<p>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: his position is for 3 years, renewed every year depending on productivity and adaptation to the IMDEA-Food institute.</p> <p>Annual gross salary: 23.000 – 30.000 euro, commensurate with experience and the candidate's worth.</p> <p>The incorporation of the candidate to the IMDEA Food Institute is expected to be immediately after the selection process.</p>
Education requirements	<p>Degree in bioinformatics, computer sciences, engineering, biology, chemistry or equivalent.</p> <p><u>A PhD or Master related with Text Mining and NLP is not mandatory but will be highly valued during the selection process.</u></p>
Job description	<p>The Computational Biology Group within the IMDEA-Food Institute is seeking for a highly motivated scientist with expertise in Text Mining and Natural Language Processing. The candidate will be involved in the European project “Food Nutrition Security Cloud (FNS-Cloud)”, a large European consortium with 36 partners. The candidate will work in the tasks leaded by the group to design and create Text Mining and Natural Language tools for food-drug interactions. In addition, the candidate will have the opportunity to develop research lines in text mining in the food field related with health.</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.</p>
Qualifications	<p><u>Experience requirements:</u></p> <p>1) <u>Experience & expertise related to Text Mining and Natural Language Processing</u></p> <ul style="list-style-type: none"> • Experience with Natural Language Processing



	<p>frameworks and tools</p> <ul style="list-style-type: none">• Experience with structured and unstructured data• Experience with NoSQL database• Experience and interest in modeling social media posts or broader classes of textual data.• Demonstrated experience with UNIX environments.• Demonstrated experience in the development and integration of software tools.• Strong programming skills in at least one of the following languages: Java, Perl, Python or other• Demonstrable use of source code repositories (e.g. Github).• Experience with Web Services <p>2) She/he must be author of <u>at least 1 publication in the Text Mining and Natural Language Processing field.</u></p> <p><u>The successful candidate needs to show:</u></p> <ul style="list-style-type: none">• An excellent oral presentation & writing (in English) skills,• Ability to perform collaborative research in a highly multi-disciplinary environment• Highly independent, motivated, and collaborative person• Good organizational and communication skills• Significant research initiative.
--	---