Call for Web Application Developer Position at IMDEA-Food Institute (Computational Biology Group)

(Ref. IT2020/007)

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 a research technician who wants to develop his 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 web application development**. 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 create the front-end of scientific software to be developed in the context of the project in collaboration with other colleagues. In addition, the candidate will have the opportunity to collaborate with other members of the group to develop new bioinformatic tools.

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. IT2020/007. Web Application Developer Position 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 15 days 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. IT2020/007), the following documents before the deadline:

1. Curriculum Vitae, preferably in Europass model
   (https://europass.cedefop.europa.eu/es/documents/curriculum-vitae)
2. 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.

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/research-technician-personnel 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 datos.alimentacion@imdea.org.

6. Financing.

This contract will be financing from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 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), October 2020

Guillermo Reglero Rada
Director of IMDEA Food Institute

Annex 1.
Web Application Developer Position

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

-REFERENCE: Ref. IT2020/007	
Job Title	Web Application Developer Position for *"Food Nutrition Security Cloud (FNS-Cloud)"* project.
Principal Investigator	Dr. Enrique Carrillo (enrique.carrillo@imdea.org)
Location	Crta. de Cantoblanco nº8, CP- 28049 Madrid, SPAIN
Job Category	Technician (Contribution Group I)
Job Conditions	Temporary full-time employment contract with trial period established by law. Dedication: full time (37,5 hours per week). Duration: This position is for 2 years, renewed every year depending on productivity and adaptation to the IMDEA-Food Institute Annual gross salary: 20.000 – 25.000 € Depending on the candidate experience and educational degrees. The incorporation of the candidate to the IMDEA Food Institute is expected to be immediately after the selection process.
Education requirements	• BSc Engineering in Computer Science or similar. • Additional background in Bioinformatics, Computational Biology, Applied Mathematics, Physics, Statistics or similar will be considered during the process but not compulsory.
Job description	The Computational Biology Group within the IMDEA-Food Institute is seeking for a highly motivated scientist with expertise in front-end tools development. 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 create the front-end of scientific software to be developed in the context of the project in collaboration with other colleagues. In addition, the candidate will have the opportunity to collaborate with other members of the group to develop new bioinformatic tools. 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

Qualifications	Experience requirements:
	• Experience in software engineering • Experience with SQL and NoSQL databases: MySQL, PostgrSQL, MongoDB, ElasticSearch, others • Experience in data management APIs • Demonstrated experience with UNIX/Linux 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 Required soft skills: • 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