

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

The European Social Fund could co-finance 50% of the contracts formalized out of this call through the corresponding Operational Programme for the period 2014-2020.

## Call for Senior Postdoctoral Position at IMDEA-Food Institute

(Ref. PDs2019/022)

The IMDEA Food Institute (Madrid Institute for Advanced Studies in Food) is a food science 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 Senior Postdoctoral researcher who wants to develop his/her research career at IMDEA Food in Food and Health Area, covering the following position:

### 1. Position Description.

- Ref. PDs2019/022. Senior Postdoc Researcher in "Precision nutrition targeting Lipid Metabolism alterations in cancer and related diseases" (ONCOGENOM) project according to Annex 1.

Principal Investigator: Ana Ramírez de Molina, PhD ([ana.ramirez@imdea.org](mailto:ana.ramirez@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 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](mailto:rrhh.alimentacion@imdea.org), with the Reference of the position (Ref. PDs2019/020), the following documents before the deadline:

1. Curriculum Vitae (including a cover letter).
2. Cover letter of interest.

Please be aware of the following: Only applications sent by e-mail to [rrhh.alimentacion@imdea.org](mailto: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 [datos.alimentacion@imdea.org](mailto:datos.alimentacion@imdea.org).

#### **7. Publicity.**

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

IMDEA ALIMENTACION: <http://www.alimentacion.imdea.org>

Others:

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

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

EURAXESS Jobs Portal of the European Commission:

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

[Linkedin and other RRSS](#)

Madrid (Spain) December 17th, 2019

Guillermo Reglero Rada  
Director of IMDEA Food Institute

## Annex 1

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

| <b>- REFERENCIA: Ref. PDs2019/022</b> |   |
|---------------------------------------|---|
| <b>Job title</b>                      | <i>Precision nutrition targeting Lipid Metabolism alterations in cancer and related diseases" (ONCOGENOM):(i) Identification of lipid metabolism biomarkers of prognosis; (ii) Mechanisms underlying the Association between Obesity and Cancer; (iii)Analysis of bioactive compounds using a Platform of Patient derived Paired Organoids for Precision Nutrition.</i>   |
| <b>Principal Investigator</b>         | Ana Ramírez de Molina, PhD  |
| <b>Location</b>                       | Madrid, SPAIN   |
| <b>Job Category</b>                   | Senior Postdoctoral Researcher  |
| <b>Job Conditions</b>                 | <p>Temporary full-time employment contract with trial period established by law.<br/>Dedication: Full time with morning and afternoon work from Monday to Friday.<br/>Duration: This position is for 1 year, renewed depending on productivity and adaptation to the IMDEA-Food Institute.<br/>Annual gross salary: 31.917 - 39.632 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>  |
| <b>Job description</b>                | <ul style="list-style-type: none"> <li>- Evaluation of the effect of metabolic reprogramming (metabolic genes and lipid metabolism pathways) in prevention, progression and therapy of several types of cancer including colorectal and lung cancer, and its association with additional pathological aspects such as obesity or metabolic disorders. Study of molecular metabolic biomarkers of cancer risk, prognosis and treatment for Precision Medicine and Nutritional approaches. The candidate will also study the relationship among metabolic alterations at the molecular level, the anthropometric and nutritional characteristics of the cancer patient and their association with the tumor response, with the objective of establishing specific nutritional strategies in each case.</li> <li>- The candidate will supervise predoctoral, bachelor and master students, help in the submission of projects, paper writing, paper revision, data presentation. Also, he/she will coordinate common tasks in the laboratory, as well as in nearby centers in selection with the project.</li> </ul> |
| <b>Education requirements</b>         | PhD in Life Sciences related discipline (Biology, Biochemistry, Pharmacy, Medicine, Veterinary Sciences, Food Sciences and Technology, or related).   |
| <b>Qualifications</b>                 | - The applicant should have 8-years minimum of experience as a postdoctoral researcher in fields such as: lipid metabolism, cancer progression, obesity related projects (especially those linking obesity and cancer); molecular biomarkers of cancer risk, prognostic factors and resistance to treatment; drugs and bioactive compounds; stemness and organoid technologies.   |

- Demonstrated experience in cell biology and molecular biology techniques including cell culture, cell bioenergetics (Seahorse technology), western blot, chromatin immunoprecipitation (ChIP and ChIP-Seq) and immunofluorescence, RT-qPCR, gene expression analysis, among others, in terms of scientific research articles of high impact in the field as first or corresponding author, or transferred patents
- Experience in working with different cancer in vitro models. Human samples management: blood, saliva, paraffin embedded tissue, DNA, RNA and protein extraction.
- Experience in management of "-omics" technologies will be highly desirable, including: genomics (sequencing and genotyping), transcriptomics and expression arrays management and proteomics or metabolomics data.
- Fluent management of genotypic/phenotypic data and use of biological databases and statistical tools (SPSS) will be valuable.
- Participation in competitive public funding projects.
- Authorship in at least 20 SCI scientific publications in cancer, metabolism and/or human genetics areas.
- Direction and supervision of PhD Thesis, Master degree or BCs students are highly acknowledge.
- Successful candidacy in highly competitive scientific programs for young research investigators (i.e. Programa "Juan de la Cierva", Programa "JAE" etc.) will be highly acknowledge.
- Demonstrated independence, pro-active attitude, professional and excellent communication skills both written and spoken.
- Demonstrated strong organizational and coordination skills, including the ability to prioritize.
- Ability to work independently on routine duties, as well as new assignments.
- Knowledge and leadership/participation in clinical trials will be valued, as well as participation in European international consortia.
- We are looking for a proactive person showing initiative and with decision-making skills.
- Fluent use of English