

IRTA

“ WE SHARE OUR SCIENCE
TO FEED THE FUTURE ”

hr
HR EXCELLENCE IN RESEARCH



**CALL FOR RESEARCH CANDIDATES
TO SUBMIT PROPOSALS
TO THE TECNIO SPRING INDUSTRY GRANT**

About the Grant “TECNIOSPRING”

Develop your professional career in applied research and benefit from top training in technology transfer.

Tecniospring INDUSTRY, ACCIÓ's international talent programme, boosts technology transfer processes by offering R&D companies and centres 2-year employment contracts to host a researcher.

With a budget of 11 MEUR and co-financed by the H2020 Marie Skłodowska-Curie actions of the European Union, Tecniospring INDUSTRY plans to award 72 fellowships for the 2019-2024 period.

About IRTA

IRTA is a research institute owned by the Government of Catalonia ascribed to the Department of Agriculture and Livestock. It is regulated by Law 04/2009, passed by the Catalan Parliament on 15 April 2009, and it is ruled by private regulations. IRTA is one of the CERCA centers of excellence of the Catalan Research System.

IRTA's purpose is to contribute to the **modernization, competitiveness and sustainable development of agriculture**, food and aquaculture sectors, the supply of healthy and quality foods for consumers and, generally, improving the welfare and prosperity of the society.



mission

To contribute to the modernization, improvement and promotion of competitiveness and sustainable development in the Agriculture, Food and Aquaculture sectors, providing safe, quality foods to the final consumer and generally contributing to the global improvement of human welfare.



vision

To become the scientific reference and a force for innovation, and technology transfer. We aim to be the strategic partner of the food industry.agro-foodsector.



values

1. Commitment
2. Creativity
3. Learning
4. Innovation
5. Leadership
6. Respect
7. Service Vocation

Researcher Working on Pulse Combustion Drying, for Liquid or Fluid Food and Food Byproducts.

FOOD TECHNOLOGY

To solve the problems and face the challenges of the food industries, mainly in meat, dairy, fish, fruit and cereals.

ROLE PROFILE

IRTA is currently seeking an experienced researcher, with initiative and leadership ability. Experience on dairy and food processing, and especially on spray drying, will be specially appreciated.

The position is subordinated to a TECNOSPRING Industry grant (<http://catalonia.com/innovate-in-catalonia/tecniospringplus/>).

Possibility of continuation after the two years contract based on ongoing research projects (first year in a non-Spanish research center, and second year in IRTA).

DUTIES AND RESPONSIBILITIES

[1] Researcher on current IRTA dairy project PRIMA DAINME-SME, a very large project with partners of different countries (France, Spain, Italy, Turkey, Egypt and Tunisia). The main task for the first year (2020), will be focused to validate **a new** spray drying technology (Pulse Combustion Drying), on milk and cheese whey, comparing the obtained powder with the same food product using traditional indirect spray drying. This research will be conducted in a non-Spanish research center, during the first year (April 2020 to march 2021).

Second year will be focused on the use of PCD (Pulse Combustion Drying), for other different byproducts, from vegetal and animal origin (vegetable skins (orange, tomato), slaughterhouse by-products (liver, heart, and others), fish discards, etc). The second year the researcher will be based on IRTA (Monells, Spain).

Moreover, the researcher will stay at least for one month, in one company specialized on food spray drying.

[2] Development of new projects in relation with the exposed topics (dairy, emerging food processing, membrane separation and spray drying), especially in the field of H2020.



REQUIRED EXPERIENCE AND QUALIFICATIONS

[1] Experienced researchers are researchers of any nationality that have a PhD (and two years of post-doct experience), or four to eight years of full-time equivalent research experience. Researchers must not have resided or carried out their main activity in the country of their host organization for more than 12 months in 3 years immediately prior to the deadline for the submission of applications. Exceptions will be made for candidates with justified career breaks

[2] English or Spanish speaking

TERMS OF APPOINTMENT

Experienced researchers will benefit from 2-year employment contracts including:

- Gross income: about 40.000 € per year.
- Research costs: Up to 8.640 € per year.
- Mobility costs: Up to 960 € per year.

Please, send an e-mail to Dr Xavier Felipe (xavier.felipe@irta.cat) attaching your CV and a motivation letter before the **August 26, 2019 (included)**.