

**IRTA**

**INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTÀRIES**

**OFFERS**

**A PHD STUDENT CONTRACT SPONSORED FELLOWSHIP**

Among other duties (Act 4/2009), IRTA is responsible for organising scientific and technical training programmes within the scope of its strategy, alone or in collaboration with other entities and bodies, in particular with Catalan universities, professional agricultural organisations and sector groups or associations.

Given that within the framework of the research activities of the IRTA (Food Safety Program (IRTA Centre - Monells)) there exists a specific budget provision, a decision have been taken to train researchers in the area of the UE project titled: **Safe food for infants in the EU and China**.

As a result, it has been agreed:

1. To offer a PhD Student contract Sponsored Fellowship to participate in the project **Safe food for infants in the EU and China**.
2. To approve the terms of employment attached as a schedule.
3. To manage this offer and to resolve any disputes which might arise, and administering the resources allocated.

Caldes de Montbui (Barcelona), November 23th 2020

Mrs. Montserrat Satorra  
Human Resources Manager - IRTA

## SCHEDULE

### CONDITIONS FOR THE OFFER OF A PHD STUDENT CONTRACT SPONSORED FELLOWSHIP, FOR THE AREA OF FOOD INDUSTRIES

Ref.: CPI720

#### 1. Scope of application

The specific scope is:

Research into: "**Safe food for infants in the EU and China** (SAFFI, H2020 Grant Agreement N° 861917)"

Concept and approach: Infant food manufacture and marketing gather a wide diversity of raw materials, processing and preservation technologies, processes, packaging, storage, transport, retail as well as end-user handling conditions. As food industry, the infant food sector invests in the development of safer, fresher, healthier and more sustainable products with the implementation of new and emerging technologies. SAFFI acknowledges that hazard control options and risk mitigation strategies can be applied all along the infant food supply chain, including innovative technologies more respectful with the organoleptic and nutritional properties, more energy-efficient and environmentally-friendly. Their impact on the hazards need to be assessed quantitatively through an integrated approach enabling to prioritize and design the most effective solutions by combining knowledge about the fate (generation, degradation, migration) and behavior (growth, inhibition) of hazards at critical points of the food chain with up-to-date sampling and monitoring strategies. Traditional processing and preservation technologies will be addressed, but SAFFI will also investigate emerging technologies like pulse combustion drying, radiofrequency and High Pressure Processing enabling the production of infant food with better preserved freshness, nutritional and sensory quality and limited environmental impact.

The aim of the PhD project is to develop a decision support system for hazard control and set preservation technologies/mitigation strategies for enhancing the food safety management throughout the four infant food chains chosen as case studies.

The PhD student will be mainly involved in developing the activities to achieve the specific objectives of the project, including:

- The quantification of the fate (generation, degradation) and the behavior (growth, inhibition, inactivation) of key chemical and microbiological hazards along the infant food chain of the four case studies.
- Assessing the impact of emerging processing and preservation technologies to control key contaminants and pathogens, and validate processing conditions with equivalent efficacy as classical thermal technologies.

- Setting efficient monitoring and sampling strategies at operational (producers) and governmental (official control/public health authority) level to enhance the effectiveness of regulatory food safety management options.

Supervisor: Dr Sara Bover i Cid (Food Safety Programme)

Place where the PhD Student contract will be carried out: IRTA-Monells (Girona)

## 2. Requisites for applicants

The fellowship may be requested by candidates meeting the following requisites:

**2.1.** Candidates must hold one of the following degrees: Biotechnology, Food technology, Chemistry, Biochemistry, Biology or similar.

**2.2.** A Master's in Biotechnology, Food technology, Chemistry, Biochemistry, Biology or similar

**2.3.** Not to have a PhD.

**2.4.** Any prior experience in matters of research laboratory work (in the field of food microbiology and analytical chemistry), scientific literature review and data analysis will be considered very positively will be viewed very positively.

**2.5.** Candidates must provide a signed letter declaring their undertaking to register on a doctorate programme within the Catalan university system.

**2.6.** Candidates who have been chosen for an interview with the Selection Committee, should bring –for the interview- a certified copy of the degree and/or master, as well as the academic record showing the marks of all subjects studied.

**2.7.** Foreign candidates who have been chosen for an interview with the Selection Committee should bring –for the interview- a certified copy and certified translation of the degree and/or master obtained at a foreign university, as well as an academic record showing the marks of all subjects studied.

## 3. Duration

Notwithstanding the provisions of Point Nine of this offer, IRTA will subscribe with training research staff holding the Master's a temporary employment agreement linked to a specific service by virtue of which the researcher will be employed by the IRTA, with both parties assuming the contractual obligations arising therefrom and which, in any case, will be in line with the content of the application.

The duration of the PhD Student contract will be for one year, extendible by yearly periods, subject to the issuance by the doctoral candidate of the report corresponding (from the student and from the Doctoral School) to the yearly period completed.

Under no circumstances may the accumulated duration of the initial PhD Student contract plus the extensions exceed three (3) or four (4) years.

#### **4. Suspension of the PhD Student contract**

The suspension of the PhD Student contract on the grounds established under articles 45 *et seq.* of the Workers' Statute will not imply any extension to the duration of the PhD Student contract except for situations of temporary incapacity, risk during pregnancy, maternity, adoption or fostering, risk while breastfeeding and paternity during the duration of the PhD Student contract, which will interrupt the calculation, pursuant to the provisions of Article 11.1.b) of the Consolidated Text of the Workers' Statute Act.

#### **5. Financial remuneration<sup>(1)</sup>**

The financial remuneration for the PhD Student contract will be €1,236,39/gross per month (€17,309.45/gross per annum) for the first and second years. For the third year, it will be €1,324.70/gross per month (€18,545,84/gross per annum). Financial remuneration will be subject to the corresponding withholdings, pursuant to prevailing regulations, and to the collective employment agreement of IRTA.

IRTA will also pay the annual fees of the doctoral school when receiving the enrolment.

#### **6. Applications**

Interested parties should be registered at the Employment Service's website of IRTA <http://www.irta.es/en/work-at-irta/> adding his/her *Curriculum vitae*

#### **7. Application period**

The period for submitting applications opens as of the date of the offer and ends on December 21<sup>st</sup>, 2020.

## 8. Assessment and selection

The selecting of candidates will be carried out by an *ad hoc* committee consisting of the Head of the Program and two researchers (level D or higher) appointed by him/her.

## 9. Acceptance of PhD Student contract and payment

When accepted, the applicant must sign a document undertaking to comply with all the conditions of the PhD Student contract established in these terms, and in particular, with the following:

**(a)** To join the centre within one month of notification and to have exclusive dedication to the training programme proposed, in accordance with the internal rules of the centre. Failure to join could be considered to be a waiver of the right to financial aid.

**(b)** To present to the tutor appointed by the IRTA and HR, each year, 30 days before the renewal date of the agreement, a report on the work carried out to date in accordance with the model to be provided by the HR Department.

**(c)** To send to the tutor appointed by the IRTA a copy of any publications, articles and studies which might arise from the training programme carried out and the results obtained.

**(d)** To refer, in any written production arising from the training programme carried out, to the present PhD Student grant.

The non-fulfilment of any of the conditions of these terms without justification may imply the revocation of the PhD Student contract.

## 10. Assessment and continuity of the PhD Student contract

Based on the report drawn up by the interested party (mentioned in Point 9 (b) of this offer), the tutor(s) must prepare therein a report based on the tasks performed by the doctoral candidate and recommend the continuity or revocation of the PhD Student contract for the forthcoming yearly period. In the event of a negative assessment, grounds must be given.

To proceed with the continuity of the contract it will be necessary as well to present a copy of the registration to a pertinent PhD course and the corresponding evaluation report from the Academic Committee of the PhD program or from the PhD School.

## **11. Intellectual property**

The IRTA is exclusive holder of the intellectual and industrial property rights which might arise as a result of the activity carried out by the candidate or technologist during the training programme, notwithstanding recognition of authorship when necessary.

The publicising of any information obtained by the candidate in the form of scientific or informative articles, presentations for meetings and conferences or any other means or format may be carried out where necessary at the initiative and with the consent of the director(s) assigned by the IRTA to each of them.

## **12. Incompatibilities**

This PhD Student contract will be incompatible with any other activity related to the research and training purpose of the same.

## **13. Waiver of the PhD Student contract**

In the event the beneficiary should waive their right to the PhD Student contract, they must provide IRTA with a report on the tasks performed up to the time of their experimental waiver, notwithstanding the prior notice established by legal regulations. All data obtained during the training programme will be returned to IRTA.

## **14. Confidentiality undertaking**

The beneficiary of this contract agrees to keep any data or information to which it might have access as a result of their relationship with IRTA strictly confidential, whatever the form of access to such data or information and the format in which they appear, it being totally prohibited to make copies without prior consent.

The access to and processing of data of a personal nature as a result of the relationship established with the IRTA will be carried out in accordance with the purposes established in the agreement, with the duty of secrecy continuing even after such relationship has concluded.

## **15. Data protection**

Any data provided by candidates will be recorded in a file of IRTA in order to manage the process.

Pursuant to the provisions of the Spanish Organic Law 15/1999, of 13 December, on the protection of data of a personal nature, any interested parties may exercise their rights to and rectification before the Human Resource Department of the IRTA.

<b>TIMING PHD STUDENT CONTRACT: CPI720</b>	
<b>Deadline:</b> December 21 <sup>st</sup> , 2020	<b>Process</b>
30 days	Publication and diffusion of the job advertisement on IRTA's website, EURAXESS Jobs, social networks and other specific recruitment places.
2 following working days	To send, for its study, the pre-selected CV which match eligibility criteria to the Selection Committee. To send an automated e-mail for those who have not been pre-selected and cannot continue the process.
10-15 following working days	Selection Committee: .Interview with preselected candidates. .To send an e-mail for those who have not been selected by the Selection Committee. .Committee Selection Agreement with the selected candidate, giving reasons for the rest to be excluded. . Notification by e-mail to the candidates who have been interviewed but not selected.
12-16 following working days	To send to HR all the needed official documentation in order to make the work contract and co-ordination for establishing the start of the employment.
11/01/2021	Start of employment.

(1) The financial remuneration of the PhD Student contract may not be less than 56% of the salary established for the category of Research Collaborator F of the Collective Agreement of the IRTA during the first two years, 60% in the third year and 75% in the fourth (Act 14/2011 of 1 June).