

IATA PREDOCTORAL FELLOWSHIPS 2023

CALL	Predoctoral Fellowship, 2022 for the training of doctoral candidates under the “Subprograma Estatal de Formación del Programa Estatal para Desarrollar, Atraer y Retener Talento, en el marco del Plan Estatal de Investigación Científica, Técnica y de Innovación 2021-2023.																		
Link	Resolución de 21 de diciembre de 2022.pdf																		
Entity	Institute of Agrochemical and food technology- IATA: www.iata.csic.es																		
Candidate requirements	<ul style="list-style-type: none"> • Candidates enrolled or admitted to a DOCTORATE programme 2022/2023, at the time of application. • Even if they are not enrolled or admitted, they are in a position to do it at the date of the contract formalisation. It's required to have been completed 300 credits at the time of the call application resolution (JUNE 2023). • Qualification official recognised at the time of the resolution 																		
Characteristics and eligible costs	<ul style="list-style-type: none"> • 4 years training contract • Eligible costs: <ul style="list-style-type: none"> ○ Gross salary ○ Stay costs ○ Doctorate tuition fee- Spanish University (Public-private) <table border="1" data-bbox="505 913 1539 1199"> <thead> <tr> <th>Concept</th><th>2023</th><th>2024</th><th>2025</th><th>2026</th></tr> </thead> <tbody> <tr> <td>Gross salary and social security</td><td>21.923€</td><td>23.137€</td><td>28.575€</td><td>28.575€</td></tr> <tr> <td>Expenditure on stays in R&D centres</td><td colspan="4"> 6.860€ <ul style="list-style-type: none"> • Mobility costs • Public and private centres (companies, foreign and national if they are in different location) • Minimum 30 natural days </td></tr> </tbody> </table>				Concept	2023	2024	2025	2026	Gross salary and social security	21.923€	23.137€	28.575€	28.575€	Expenditure on stays in R&D centres	6.860€ <ul style="list-style-type: none"> • Mobility costs • Public and private centres (companies, foreign and national if they are in different location) • Minimum 30 natural days 			
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Concurrence	Incompatible with other pre-doctoral training contracts.																		
Deadline	Up to the 13 of January 2023																		
Required Documentation	<ul style="list-style-type: none"> • Graduate and Master degree certification • CV • IATA Strategic Lines [Prioritize up to 3 different strategic lines, CEX2021-001189-S-20-X (in ANNEX I)] • 1 Motivation letter • Copy of valid passport (non-resident foreigners) • 2 different contacts (email and phone) to ask for personal references 																		
Evaluation considerations	<ul style="list-style-type: none"> • Qualifications related to the strategic lines listed in ANNEX I will be valued • Possibility to do personal interview/streaming 																		
Resolution	<ul style="list-style-type: none"> • 20th of January 2023 • The selected candidates must submit the documentation to the Spanish Ministry's website with the support of the IATA. 																		
Registration	Send an e-mail to International@iata.csic.es																		

ANNEX I: IATA STRATEGIC LINES

RP1: FOOD FOR HEALTH

Understanding how diet affects health and consumer needs, and using this information to develop new foods and dietary recommendations for personalized nutrition, will contribute to disease prevention and consumer-oriented food development. This programme takes a holistic view of the different factors that may be involved. Priority research topics of scientific and social interest which will be addressed through ongoing and future research projects are:

- RP1.1-Food for health: Microbiome and health (*CEX2021-001189-S-20-1*)
- RP1.2-Food for health: Food Bioactives (*CEX2021-001189-S-20-2*)

RP2: ENSURING FOOD SAFETY AGAINST EMERGING RISKS

Guaranteeing food safety and evaluating emerging risks in the food chain are vital for future food production and the supply system in a highly interlinked and competitive global economy. Priority research topics within this programme include:

- RP2.1- Ensuring food safety against emerging risks: Detection of biological and chemical (*CEX2021-001189-S-20-3*)
- RP2.2- Ensuring food safety against emerging risks: New strategies for ensuring food safety (*CEX2021-001189-S-20-4*)

RP3: SUSTAINABLE FOODS - FROM PRODUCTION TO PRESERVATION

Sustainable food production for an increasing population is one of the major challenges we face. This requires the design of more efficient bio-based processes as well as ensuring and prolonging food quality to reduce food waste. The priority research lines which will be developed within this programme are:

- RP3- Sustainable Foods- from production to preservation: New ingredients and sustainable packaging materials from waste and biomass valorisation (*CEX2021-001189-S-20-5*)
- RP3- Sustainable Foods- from production to preservation: Improving sustainability food processes (*CEX2021-001189-S-20-6*)
- RP3- Sustainable Foods- from production to preservation: Cell Factories for sustainable ingredients/food production (*CEX2021-001189-S-20-7*)

RP4: FOOD DATA SCIENCE

Big Data Science and Artificial Intelligence tools into our research lines in order to make seminal contributions in the Food Science area related to sustainability, health and food safety. This Scientific Goal, probably the most crucial of this strategic plan, deserves further elaboration on how we foresee its potential:

- RP4- Food data science- Food for health (*CEX2021-001189-S-20-8*)
- RP4- Food data science- Ensuring food safety against emerging risks (*CEX2021-001189-S-20-9*)
- RP4- Food data science: Sustainable food- from production to preservation (*CEX2021-001189-S-20-10*)