



**Researcher in Systems Biology
Applied to Infectious Diseases
for the
ANIMAL HEALTH Program**

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 centres of excellence of the Catalan Research System.

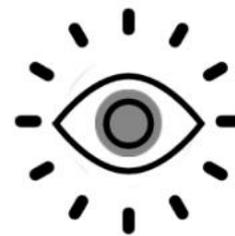
IRTA's purpose is to contribute to the modernization, competitiveness and sustainable development of agriculture, food and aquaculture sectors, the supply of healthy and quality foods for consumers and, generally, improving the welfare and prosperity of the society.

MISSION



Contribute to the modernization, competitiveness and sustainable development of the agrarian, food and aquaculture sectors, to the provision of healthy and quality food for consumers and, in general, to improve the welfare of the population.

VISION



Become a scientific reference, an engine of innovation and technology transfer. We want to be the strategic ally of the agri-food sector.

VALUES



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

THE ANIMAL HEALTH PROGRAM

The **Animal Health** program engages in the research, technological development, transfer and teaching in the animal health area. To improve the health, quality, and safety of animal products fit for human consumption, innovative and effective vaccines are under development, the epidemiology, immunological response and mechanisms of the pathogens are being studied, the risk for human health is being assessed, and models of standardized infections and diagnostic techniques are being developed. IRTA Animal Health Program is located at CReSA, a new and technologically advanced building with conventional laboratories as well as biocontainment with level-3 biosafety plus (BSL-3+) laboratories and animal facilities.

ROLE PROFILE

IRTA is currently seeking a researcher with expertise in **Systems Biology Applied to Infectious Diseases** to work in the Animal Health Program. Within this framework, IRTA is proposing a research position with the following characteristics.

DUTIES AND RESPONSIBILITIES

- To work and collaborate with different research lines at the program dealing with pathogen-host interactions.
- To contribute to the research lines and strategic activities by applying to competitive grants and other resource raising activities.
- To collaborate in the design, planning, and implementation of research projects and contracts.
- To contribute to the innovation, dissemination and transfer of knowledge to the agri-food sector and the society.
- To help positioning the Program as a group of excellence through regular peer-reviewed publications, contributions at national and international congresses and supervision of PhD and postdoctoral researchers.



REQUIRED EXPERIENCE

Essential requirements:

- To hold a PhD degree in Health Sciences and/or Biology/Biochemistry, with more than 4 years of postdoctoral experience.
- Experience in systems biology applied to infectious diseases, i.e., in the integration of high-throughput multi-omics data (transcriptomics, proteomics, metabolomics, lipidomics, etc.), to understand the networks and dynamic interactions between the biological components of the complex pathogen-host system.
- Good level of English, both spoken and written. Catalan and Spanish will be valued.

Desirable requirements:

- Experience to prepare and participate in competitive calls for National and International projects.
- Experience in supervising PhD students.
- Good oral communication and writing skills.

Personal profile:

- Strong organizational capability and ability to learn and successfully work within multidisciplinary teams.
- Teamwork skills and ability to establish and build relationships that will allow pursuing the objectives of the R&D activities.
- Willingness to organise and share information. Proactive in suggesting improvements.
- Flexibility and adaptation. To be able to prioritize tasks effectively. Capacity to anticipate, plan and write R+D projects, reports and technical documents.

- Receptive to challenges, ability to align the professional objectives and institutional priorities and strategy.

TERMS OF THE APPOINTMENT

This is a full-time position with the possibility of the successful candidate to be recruited as IRTA's permanent staff after a probationary period of one year. Gross salary will be commensurate with the qualifications and experience.

IRTA offers a rich environment for knowledge development and exchange where to develop a scientific career, and possibilities for professional promotion according to the attained achievements.

LOCATION: UNIVERSITAT AUTÒNOMA DE BARCELONA (UAB)



IRTA's CReSA is located in the campus of the UAB. The UAB ranks 172 in the Performance Ranking of Scientific Papers for World Universities. The UAB continues to be among the 200 best universities worldwide, and is the second university in Spain, after the UB and followed by the University of Valencia and the Autonomous University of Madrid.

In the rankings by subject, the UAB scores highest in Spain in Animal and Plant Science (occupying position 69 worldwide), and stands out in Agricultural Science (100 worldwide), Environmental Science (101), Mathematics (104), and Pharmacology and Toxicology (156).

BARCELONA



A city with character

Barcelona is an open, vibrant and creative city with a busy cultural, political, business and commercial life. It is a metropolis where every imaginable language can be heard, as well as a city that invites its residents and visitors alike to discover its Catalan culture and traditions.

The Catalan capital

Barcelona is the capital of Catalonia, a country whose nation boasts a long history, enjoying self-government as an autonomous region in the Spanish State. It is situated on the north-east coast of the Iberian Peninsula, facing the Mediterranean Sea and bordered by Andorra and France along its north. Catalonia also has its **own language**, Catalan, which grew out of Latin, as did Spanish, French, Italian and Portuguese. **Catalan is its official language**, together with Spanish, and is used regularly in every walk of life.

In addition, most of the people working in international trade and the country's main tourist areas speak English and other languages as well. Barcelona has always attracted people from all over the world, making it even more **multilingual and special**. It is the people living there, with their different backgrounds and cultures, who make it so **cosmopolitan, diverse and intercultural**.



Economic powerhouse of a prosperous region

One of the biggest metropolitan areas in Europe has grown up around the capital, consolidating Barcelona as an **outstanding business, technological and industrial center, as well as a major economic powerhouse**. In fact, the city has always stood out for its intensive business and commercial activities and proved its ability to modernize and adapt itself to the new times. It has become such a magnet for global talent that it is now a European center for business creation, especially in **leading sectors** such as information and communication technologies, biotechnology, sustainability, design and aeronautics. The city also plays host to several of world's most important international trade fairs, such as the **Mobile World Congress** and the **Barcelona Meeting Point**. Innovation is another Barcelona's hallmarks: it is the number-one smart city in the Spanish State and the fourth in Europe. It is also one of the cities with the highest quality of life in the world and the life expectancy of its residents is among the highest in Europe.



KEY STEPS IN THE SELECTION PROCESS

If you wish to be considered for this position, please, go to the link:

<http://www.irta.cat/en/work-at-irta/>

and register yourself. You should load your **CV in Adobe Acrobat pdf** format before the 18th of January 2021. All information will be in the strictest confidence.

During the recruitment process, Human Resources Department will keep you informed on which step is your application.

Register to have full access to our job vacancy publications and future opportunities



Deadline timing job ref. 49/20 Systems Biology Applied to Infectious Diseases	
60 days	Publication and diffusion of the job advertisement on IRTA's website, EURAXESS Jobs, social networks and other specific recruitment places.
5 following working days	Distribution of the pre-selected CVs which match eligibility criteria to the Selection Committee. Communication via e-mail with the not pre-selected candidates who will not be further included in the process.
20 following working days	Selection Committee: <ul style="list-style-type: none"> - Communication via e-mail with the not-selected candidates by the Selection Committee. - Interview with selected candidates by the Selection Committee. - Accord of the Selection Committee stating the selected candidate and detailed reasoning for the decline of the rest of the candidates. - Communication via e-mail with the interviewed and not-selected candidates.
5 following working days	Provision by the selected candidate of requested legal and official documentation to the HR department to coordinate the start of the candidate.
First trimester of 2021	Start of employment (approximately)