



POSTDOCTORAL RESEARCHER FOR FRUIT PRODUCTION PROGRAM

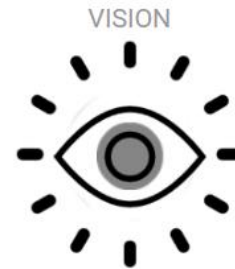
About IRTA

IRTA is a research institute owned by the Government of Catalonia adscribed 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.



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.



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



1. Commitment
 2. Creativity
 3. Learning
 4. Innovation
 5. Leadership
 6. Respect
 7. Vocation of service
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THE PROGRAM OF FRUIT PRODUCTION

The objectives of the **Fruit Production** program are:

- Renovation and continuous improvement of the productive structure, working plant material from selection and/or evaluation through to genetic improvement, bringing in new varieties adapted to different agro-environmental conditions and to different markets.
- Efficient use of production inputs.
- Reducing production cost and improving productivity.
- Development of models for integrated production systems, conservation and distribution considering the preservation of natural resources and respecting the environment.
- Obtaining excellent quality fruit products (commercial traits, organoleptic attributes and nutritional properties).

Pip & Stone Fruits that studies apple, pear, peach, prune and apricot species.

Their lines of work are:

Plant material

- Introduction and evaluation of new varieties and rootstocks.
- Genetic improvement of new varieties of apple, pear, peach and nectarine programs as well as Pear root stocks breeding program.
- Projects focused on the expansion and application of the knowledge in databases of genetic characters of interest for these species.
- Application of molecular genetics techniques to improve the efficacy or selection processes.

Crop technology

- Reduction of the unproductive period.
- Formation, pruning and management systems.
- Bioregulators to control vegetative growth.
- Chemical thinning and regulation of the fruit load.
- New varietal replant situations.
- Agronomic techniques to improve quality.

Fruit quality

- Determination of the optimum harvest time.
 - Application of products and techniques to improve fruit organoleptic quality.
 - Application of products and techniques to improve fruit color and reduce defects.
 - Development and/or validation of non destructive measurements of fruit quality.
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ROLE PROFILE

IRTA is currently seeking a **Postdoctoral Researcher Pomologist**, focused on fruit development and orchard management. He/She must apply these topics to create strategies for optimal fruit production by integrating plant material (cultivar and rootstocks), weather conditions and plant physiology. He/She should have research experience on main process on fruit production (pollination, fruit and fruitlet development, training and pruning system, maturity ...) and genetics.

Research lines have to be focused on main fruit crops in Catalonia area (apple, pear and peach).

DUTIES AND RESPONSIBILITIES

- To lead a research line on Pomology.
- To participate actively in the preparation of proposals for national and international public calls.
- To participate actively in agreements with private companies.
- To be involved in the transfer of knowledge and technologies to the private sector.
- To participate in dissemination activities related with the research line.
- To create synergies with other research lines at IRTA and in other research institutions or universities.

REQUIRED EXPERIENCE AND QUALIFICATIONS

Essential requirements:

- Ph.D. in plant science (degree in agronomy or biology or related).
- Scientific experience in fruit research.
- Scientific experience publishing in peer-review scientific journals
- Experience to interact with the agricultural sector and scientific community.
- Post-doc minimum experience of 2 years in research institutions.
- Sound informatics background at advance user level of the Office pack (Word, Excel, Power Point, etc.) and data analysis programs.
- English language commandment, both spoken and written. Spanish and French skills will be valued.
- Full driving license for Europe and travelling availability
- Skills and experience in fruit orchard management and fruit quality determination.

Desirable requirements:

- Experience as research project leader during at least 3 years.
- Capacity on fruit industry concertation, technology transfer and fostering innovation added value.
- Knowledge of Catalan will also be valued.

Skills:

- Strong organization capacity and ability to learn and successfully work within multidisciplinary teams and experience to motivate research teams.
- Mind oriented to challenges and focus on results.
- Capacity and skills to develop and encourage strong collaborative links with the national and international scientific community and the fruit industry sector (Catalan, Spanish and European).
- Capacity to foresee, plan and write R+D projects, reports and technical documents.
- Communication and team working attitude.
- Good integration in multidisciplinary teams.
- Organization and motivation.
- Compromise and cooperation.
- Pro-activity.

TERMS OF APPOINTMENT

This is a **full-time position** with the successful candidate being contracted **for one year basis with the possibility of renewal**.

Salary will be commensurate with the qualifications and experience.

LOCATION: LLEIDA



Lleida is the capital of “el Segrià”, a large county on the western edge of Catalonia that takes its name from the River Segre, which crosses the county. Lleida is the economic and demographic hub of inland Catalonia.

The streets of Lleida, with their rich historical and monumental heritage, also bear witness to the business activities and initiatives befitting a major modern city that looks towards the future.

Lleida is the capital of one of the most fertile areas in Europe and its agri-food industry is one of the main drivers of its economy. Many benchmark companies have their headquarters in Lleida, including a large number of R&D firms that have set up in the Gardeny Agri-Food Science and Technology Park to take advantage of its international potential.

Lleida’s climate is continental, with hot summers and cold winters.

There is an extensive public and private transport network for travelling to Lleida. The AVE high-speed train is a good alternative. There is also a modern road network, including the AP2 Northeast motorway, the A2 Lleida-Barcelona motorway and the C25 motorway linking Lleida and Girona. Now, it is also possible to fly into Lleida-Alguaire airport.

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 **12/09/2020**. 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



CALENDAR

Deadline timing job ref. 34/20	
45 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 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.
7 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.
October 2020	Start of employment (approximately)