



The Vall d'Hebron Research Institute (VHIR) is a public sector institution that promotes and develops the research, innovation and biosanitary teaching of the Vall d'Hebron University Hospital. Through the excellence of our research, we identify and apply new solutions to the health problems of society and we contribute to spread them around the world.



HR EXCELLENCE IN RESEARCH

In April 2015, the **Vall d'Hebron Research Institute (VHIR)** obtained the recognition of the European Commission **HR Excellence**.

This recognition proves that VHIR endorses the general principles of the European Charter for Researchers and a Code of Conduct for the Recruitment of Researchers (**Charter & Code**).

VHIR embraces Equality and Diversity. As reflected in our values we work toward ensuring inclusion and equal opportunity in recruitment, hiring, training, and management for all staff within the organization, regardless of gender, civil status, family status, sexual orientation, religion, age, disability or race.

Computational modeller

Microbiology research group

More info: <https://vhir.vallhebron.com/en/research/microbiology>

JOB DESCRIPTION

Education and qualifications:

Required:

- Bachelor's Degree on Biosystems engineering.
- Master's degree in data science and/or biostatistics
- Fluency in Catalan, Spanish, English (business level)

Desired:

- Specific/Additional training in programming in Matlab and R

Experience and knowledge:

Required:

- At least 1 year of experience working in real data analysis in epidemiology and public health

Desired:

- Ability to build, implement and parameterize epidemiological models, particularly SEIR-type and Agent-based models

Main responsibilities and duties:

- Analysis of epidemiological data related to enteroviruses
- Building, implementation and parameterization of mechanistic models for understanding several issues related with enterovirus dynamics.



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- Building, implementation and parameterization of predictive models.
- Development of visualization systems for real data and short-term predictions.
- Writing reports and scientific articles.
- Co-supervision of bachelor's and master's theses.

Labour conditions:

- Full-time/Part-time position: 28.5 h/week.
- Starting date: immediate
- Gross annual salary: 17.500€. Salary ranges are consistent with our Collective Agreement pay scale
- Contract: Permanent linked to project

What can we offer?

- Incorporation to Vall d'Hebron Research Institute (VHIR), a public sector institution that promotes and develops the biomedical research, innovation and teaching at Vall d'Hebron University Hospital (HUVH), the biggest hospital of Barcelona and the largest of Catalan Institute of Health (ICS).
- A scientific environment of excellence, highly dynamic, where high-end biomedical projects are continuously developed.
- Continuous learning and a wide range of responsibilities within a stimulating work environment.
- Personal training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more).



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How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference “2023-Computational modeller-candidate” to the following email addresses: virusrespiratoris@vallhebron.cat and seleccio@vhir.org.