

JOB DESCRIPTION

The candidate will work in a research project centred in the development of methodologies for the analysis and characterization of messenger RNA for vaccination applications. The selected candidate will have the opportunity to work on cutting-edge research in this field, participating in the optimization of advanced analytical techniques to study complex biomolecules such as mRNA.

The selected candidate will be responsible for:

- Laboratory work related to the preparation and treatment of mRNA samples for analysis using liquid chromatography coupled to mass spectrometry (LC-MS) techniques.
- Development, optimization, and validation of new analytical methodologies for the characterization of mRNA.
- Analysis and interpretation of liquid chromatography and mass spectrometry data.
- Writing technical and scientific reports on experimental results.
- Collaborating with other researchers on the project and contributing to scientific publications.

Position

- R2 – postdoctoral researcher.

Experience and knowledge.

Required

- PhD in Analytical Chemistry, Biochemistry, or related fields.
- Proven experience in handling and operating liquid chromatography coupled to mass spectrometry (LC-MS) equipment.
- Ability to develop and optimize analytical methods in the field of biomolecule chemistry.
- Experience in processing and interpreting LC-MS data.
- Strong skills in writing technical and scientific reports.
- Good level of English.

Desired

- Familiarity with the analysis of nucleic acids (such as RNA or mRNA).
- Knowledge of RNA extraction and purification techniques.
- Experience in the validation of analytical methods according to regulatory standards.

This project is financed by ACCIÓ, Generalitat de Catalunya



JOB OFFER

Postdoctoral Position

Reference project: ACE120/24/000181

- Ability to work in multidisciplinary research environments.
- Experience applying analytical chemistry techniques to the characterization of complex biomolecules.

Conditions:

- Full-time (38,5 h/week).
- Incorporation immediately.
- Length of the contract until June 2027.

How to apply: Applicants should submit a full Curriculum Vitae and a cover letter with the reference CV's Research Assistant through the following link:
<https://cezanneondemand.interviewweb.it/iqs/jobs/postdoctoral-researcher-nuclis-51152/en/>

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