

INTERNATIONAL CALL IC01_23

JOB TITLE

Ph.D. candidate in the New Approach Methodology (NAMs) for Human Health Risk Assessment at Tecnatox group, IISPV, Tarragona, Spain

Researcher career profile: R1

JOB DESCRIPTION

The Center for Environmental, Food and Toxicological Technology (TecnATox) was born in 2008 as a result of the merger of members of the group of the Laboratory of Toxicology and Environmental Health (LTSM) and the groups of Environmental Analysis and Management (AGA, later AGACAPE) and Research in Neurobehavior and Health (NEUROLAB). The Mathematical Models for Environmental and Biomedical Engineering (MMEAB) group has recently joined. All four groups from the Universitat Rovira i Virgili are research groups consolidated by the Agency for the Management of University and Research Grants (AGAUR). TecnATox aims to carry out research and development in the field of environmental and food protection at the European level and to perform technology transfer and consultancy services arising from the needs of the regulatory/government departments and industrial/private sectors. TecnATox provides its customers with high-quality services ensuring scientific-technical rigor.

The Center for Environmental, Food, and Toxicological Technology (TecnATox) is functionally attached to Health and the Environment of the IISPV and works in close relationship with the other units of the institute. The main role of the pre-doctoral researcher will work in the European Partnership for the Assessment of Risks from Chemicals (PARC) project funded by the European Union's "Horizon Europe" framework programme Grant Agreement No 101057014). The researcher will contribute to developing New Approach Methodology (NAMs) for AOPs and IATAs to support regulatory process for human health risk assessment. The selected candidate will perform the following tasks: reviewing the existing literature especially in the context of neurotoxicity and immunotoxicity, identifying the gaps and facilitate filling those gaps with in-silico methodology like QSARs, PBPK, PD and utilizing existing novel tools for risk assessment. The project will also focus on identifying new pathways, biological process and molecular functions for individual and mixture toxicity utilizing databases like Comparative Toxicogenomic database (CTD) for identifying the association between chemicals and diseases through gene enrichment analysis using ToppGene Suite portal, Set-Analyzer tool etc.

CANDIDATE PROFILE & REQUIREMENTS

- Degree in biology, chemistry, medicine, health, pharmacy, or any related field.
- Completed the master's degree in health, life science, pharmacy or other related scientific subjects.
- The researcher must be admitted in a doctoral programme before the signature of the contract.
- Have experience working in the public or private sector as a research scientist or any other related position and work related to any of the field like human health/pharmaceuticals/pre-clinical/clinical studies/toxicology.
- Experience about writing and editing relevant reports, protocols and other related documents.

IT WILL BE VALUED

- Familiarize with OECD guidelines related to human health.
- Experience related to involvement either directly or indirectly in pre-clinical or clinical studies or regulatory purposes.
- Motivation, creativity and active attitude to participate in conferences, workshops and other related activities.
- Knowledge of minimum level of English (Can be demonstrated through course taught in English).
- Familiarize with any of the common softwares like R, Python, Matlab.
- Ability to work alone and in a team with collaborations.
- Experiences of collaborating with international scientists from different countries.
- Capacity for learning, working in a flexible environment and adaptability.
- Ability to solve the problems and manage multiple activities, timelines while working as a team.
- Be capable of critical analysis and ability

LABOUR CONDITIONS

- Full-time position (40h/week)
- Workplace: Chemical Engineering Department, URV, C/ Països Catalans, nº 26, Tarragona
- Contract: Indefinite of scientific-technical activities (the project tasks will last 3 years)
- Gross annual salary: 22.499,96€
- Starting date: May 2023 (or with a mutual agreement within 3-4 months of selection)

SELECTION PROCEDURE

- Selection of CV's. Suitable and unsuitable CV's will be identified according to the requirements. Applicants who do not meet the requirements indicated in the candidate profile and requirements will not pass to the next phase.
- Evaluation of the CV. Evaluation of the CVs up to a maximum score of 40 points.
- Cover Letter. Attach to the resume a cover letter with a maximum length of 2500 characters with spaces. With a maximum score of 20 points.

To access the interview phase it is necessary to have obtained a minimum score of 40 points in the sum of scores of the evaluation of the curriculum and cover letter

- Personal interview. With a maximum score of 40 points.

Items	40
Attitude	10
Fit in the work place	10
Experience, developed functions/skills	10
Teamwork	10

SELECTION COMMITTEE

- President: Marta Schumacher (Group Leader)
- Chair 1: Vikas Kumar (Principal Investigator)
- Chair 2: Deepika (Postdoctoral Researcher)

SUBSTITUTES:

- President: Prof. Teresa Colomina (Principal Investigator)
- Chair 1: Mònica Bulló (Principal Investigator)
- Chair 2: Joaquim Rovira (Postdoctoral Researcher)

CANDIDATURES

- The CV must include the DNI / NIE number or another personal identity document number.
- Send the CV and the Cover Letter through the IISPV website.
https://www.iispv.cat/oferta-de-treball/ic01_23-ph-d-candidate-in-the-new-approach-methodology-nams-for-human-health-risk-assessment-at-tecnatox-group-iispv-tarragona-spain/

For any questions or queries: recruitment@iispv.cat

DEADLINE FOR RECEIPT OF CV 26/01/2023

COMMUNICATIONS

The IISPV will inform the candidates if they have been admitted or excluded to access the interview.