INTERNATIONAL CALL IC36_22

JOB TITLE

Post-doc for the area of System Toxicology and human Health risk assessment

Researcher career profile (R2)

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 primary role of the appointee will be varied research contributions 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). S/he will contribute in the area of System Toxicology and human Health risk assessment and development and implementation of the broader Research and Innovation Strategy and coordinate with a team of interdisciplinary scientists of IISPV. S/he will be able to collaborate with a broad range of scientists, within a distributed organisation, under a compelling, overarching research strategy. The appointed individual will be

committed to championing and embedding broader in silico and human Health risk assessment across the applied research of the TecnaTox research and innovation portfolio.

CANDIDATE PROFILE

- Degree in Pharmacy/Biochemistry/Bioinformatics
- The researcher must have a Doctorate degree (PhD) in the area of Environmental epidemiology, exposure science or/and human Health risk assessment by the date of starting this job.

REQUIREMENTS

- Competence and experience in the area of environmental or human health risk assessment especially in applied computational modelling.
- Demonstrablele experience in Chemo-informatics and Systems biology including a broad range of in silico tools for environmental and human health risk assessment including but not limited to specialized tissue dosimetry (physiologically based kinetic models), translational models (IVIVE, QIVIVE, inter-species scaling), QSAR, quantitative AOPs and Systems biology models.
- Spoken and written English skills at a full professional level (demonstrable by lead authorship in scientific publications)
- Experience in scientific programming with R or Python
- Teamworking, ability to work independently and within a team with the ability to organize, and adjust with dynamism, versatility, rigour, confidentiality but equally take responsibility and show kindness to junior team members.
- Have the ambition to develop new research areas and seek to expand in new emerging multidisciplinary disciplines like (but not limited to) personalised medicines, System toxicology and OMICS.
- Be capable of critical analysis, evaluation and synthesis of new and complex ideas.
- Can take the lead in executing collaborative research projects in cooperation with colleagues and project partners and able to explain the outcome of the research.

- Has demonstrated a systematic understanding of a field of study and mastery of research associated with that field.
- Has demonstrated the ability to conceive, design, implement and adapt a substantial programme of research with integrity.
- Makes a positive contribution to the development of knowledge, research and development through co-operations and collaborations.
- Identifies research problems and opportunities within their area of expertise.
- Identifies appropriate research methodologies and approaches and design and conducts research independently and in the team which advances the research agenda.
- Publishes papers as lead author, organises workshop or conference sessions.

IT WILL BE VALUED

- Motivation, creativity, initiative and proactive attitude.
- Ability to learn, flexibility and adaptability.
- Commitment to quality, to optimizing resources and to achieving results.
- Advanced skills in-silico modelling for human health risk assessment and new emerging paradigms like NAM, AOPs, systems toxicology etc.
- Previous experience of involvement/collaboration in large EU projects.
- Establishes collaborative relationships with relevant industry research or development groups
- Communicates their research effectively to the research community and wider society
- Is committed to the professional development of his/her own career and acts as a mentor for others.

LABOUR CONDITIONS

- Full-time position (40h/week)
- Workplace: Chemical Engineering Department, URV, C/ Països Catalans, nº 26, Tarragona
- Contract: Temporary (3 years)
- Gross annual salary: 26.704,29 €

- Starting date: October 2022 (or with a mutual agreement within 2 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	**Score**
Attitude	10
Fit in the workplace	10
Experience, developed functions/skills	10
Teamwork	10

SELECTION COMMITTEE

- President: Prof. Marta Schuhmacher (Group Leader)
- Chair 1: Dr. Vikas Kumar (Principal Investigator)
- Chair 2: Dra. Montse Mari (Technician)

SUBSTITUTES:

- President: Prof. Teresa Colomina (Group Leader)
- Chair 1: Prof. Monica Bullo (Principal Investigator)
- Chair 2: Dr. 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/ic36_22-post-doc-for-the-area-of-system-toxicology-and-human-health-risk-assessment/

For any questions or queries, please contact us by email: recruitment@iispv.cat

DEADLINE FOR RECEIPT OF APPLICATION: 16/08/2022

COMMUNICATIONS

The IISPV will inform the candidates if they have been admitted or excluded for the next phase of selection (personal interview).