UNIVERSITAT
ROVIRA i VIRGILI
Fundació URV

Data: 13/11/2024

CONVOCATÒRIA DE BECA
DE PROJECTE
B-2024/056

BECA DE PROJECTE

Programming contributions to the European Partnership for the Assessment of Risks from Chemicals (PARC) project, funded by the European Union's

TASQUES FORMATIVES DE LA BECA

The selected student will support in advancing data science and programming contributions to the European Partnership for the Assessment of Risks from Chemicals (PARC) project, funded by the European Union's "Horizon Europe" framework program. Their responsibilities will include software development and data science research in Python, with a focus on developing and implementing applications in health science. This position offers a unique opportunity to collaborate closely with an interdisciplinary team of IISPV scientists and connect with a broad network of researchers across a distributed organization, all contributing to an ambitious and impactful research agenda.
The ideal candidate will be instrumental in supporting the advancement of chemoinformatics, bioinformatics, and human health risk assessment within TecnaToxs research and innovation portfolio, embedding these critical approaches across applied research projects. This role provides substantial learning and professional development opportunities, offering hands-on experience with a high-impact, real-world applied research project.

All of these tasks will complement the current academic training and will be directly supervised by the principal investigator, as well as related to the support of the basic competencies defined in the study program.

COMPETÈNCIES ASSOCIADES A LES TASQUES FORMATIVES

CT1 Desenvolupar l'autonomia suficient per a treballar en projectes d'investigació i col·laboracions científiques o tecnològiques dins el seu àmbit temàtic
 CT2 Formular valoracions a partir de la gestió i ús eficient de la informació
 CT3 Resoldre problemes de manera crítica, creativa i innovadora en el seu àmbit d'estudi
 CT4 Treballar en equips multidisciplinaris i en contextos complexes
 CT5 Comunicar idees complexes de manera efectiva a tot tipus d'audiències.
 CT6 Desenvolupar habilitats per gestionar la carrera professional
 CT7 Aplicar els principis ètics i de responsabilitat social com a ciutadà o ciutadana i com a professional

PERFIL DE LA PERSONA CANDIDATA

Master students in area of Computer Science or Bioinformatics

REQUISITS

- Degree in Computer Science/Informatics or related field.
- The student must be a masters degree student in a related field of computer science/data science/AI etc.
- Good level of English language
- Experience with programming (Python or R, Javascript etc)

OBSERVACIONS

IT WILL BE VALUED

- Experience with the software development environment and software development life cycle.
- Basic experience in scientific programming with Python or R, Javascript etc.
- Experience with advance data science and machine learning framework (SciKit learn, Tensorflow, PyTorch, Pandas, Matplot lib etc).
- Spoken and written English skills at a full professional level (demonstrable by authorship in scientific publications and interview)
- Motivation, creativity, initiative, and proactive attitude.
- Ability to learn, flexibility, and adaptability.
- Commitment to quality, optimizing resources and achieving results.
- Establishes collaborative relationships with relevant academic/industrial research 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.

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CARACTERÍSTIQUES DE LA CONVOCATÒRIA

Nº de beques: **1**

Retribució bruta mensual: **750.0 €**

Hores setmanals: **20:00 h**

Data inici: **01/12/2024**   Data final: **31/07/2025**   (durada màxima: 12 mesos)

Ubicació desenvolupament: **ETSEQ, URV**

Perfil d'Activitat URV: **7.2. Gestió informàtica**

EPI's: **Vikas Kumar**

Correu electrònic on rebre els Cv's: **vikas.kumar@urv.cat**

Data límit recepció Cv's: **19/11/2024**