



Pursuant to Article 25 of the Employment Relationship Act (ZDR-1, Official Gazette of the RS no. 21/2013), publishes a vacancy notice

Research Assistant Professor (m/f)

Required education: Doctorate of Science

Description of work

Preparation of the scientific-research project proposals, independent management of the project team and coordination of the work in chosen field of research within the unit (department) and / or between the individual units at the Institute (major research projects); Independent scientific work; cooperation at the creation of the program of the development unit (section); participation in the formulation of guidelines for the development of the research work of the Institute; professional guiding and coordinating the work of the research team; the establishment and maintenance of business and professional contacts with the users of research work in Slovenia and abroad; technical cooperation with domestic and foreign professional or scientific research centers and involvement in the activities of the EU; Education and training of personnel (mentoring); preparation of articles, reports, expert reports, presentations and other forms of dissemination and popularization of professional work at home and abroad; Other work under the direction of the head of the department or the superior.

Detailed description of works and tasks:

- To conduct high quality research under the supervision of Professor Ule, and in collaboration with other members of the Ule group, which is made up of two teams, one in Ljubljana and another in London (see <http://ulelab.info/>).
- Plan and undertake experiments and build new hypotheses.
- Analyse own data and integrate it with data produced by other team members and public data to interrogate global principles of RNP assembly and function.
- Prepare figures summarising the results and play a leading role in writing the manuscripts.
- Assist in organisation and management of cell culture room, training new users of cell culture rooms, and supervising/maintaining order and cleanliness.
- Assist in monitoring that all equipment is operational and when needed, arranging equipment service contracts, repairs and carrying out monitoring and regular maintenance of equipment.
- Assist in supervision of other members of the Ljubljana team, especially of shorter-term students and visitors.
- Present at international conferences as well as internal meetings
- Regularly interact with external collaborators and coordinate joint work.
- Ensuring the highest standard of record keeping, maintaining accurate, complete, and up to date records.
- Ensuring confidentiality is maintained as applicable.





- Attending and contributing to Departmental, Institutional and other meetings as appropriate.

The Laboratory of RNA networks is seeking a Research Fellow to join a team of researchers under the supervision of Professor Jernej Ule as part of a project 'Multivalent interactions driving RNP dynamics in development and disease' funded by the European Research Council. The group focuses on mechanisms of RNP assembly, especially the features in RNAs and proteins that contribute condensation properties of RNPs, and the roles of such RNP condensates in developmental decisions (such as neuronal differentiation), localised functions (such as synaptic plasticity) and cellular homeostasis.

The post holder will contribute to the project, in particular transcriptomic studies of protein-RNA and RNA-RNA interactions. Depending on the background of the candidate, the project can be primarily experimental or also involve a strong computational aspect. The main methods will be based on molecular and cell biology, genome editing and differentiation of mouse embryonic stem cells, proteomics, imaging, including developing new techniques and producing relevant publications in front-line journals.

If the post holder will focus purely on experiments, a role in group co-supervision is also desired, by discussing and coordinating work among all team members, and assisting with organisation and management of the lab. Alternatively, if the candidate has some computational training, an additional role can be to use computational approaches to integrate data produced by multiple lab members using methods such as iCLIP, RNA-seq and related.

Criteria

Essential or Desirable

Assessment method (Application/Interview)

Qualifications, experience and knowledge

PhD in Molecular or Computational Biology or a related discipline

E

A

Experience of molecular, cellular biology and imaging

E

A

Experience with mechanisms of RNA regulation

E

A/I

Experience in computational analysis of transcriptomic data

D

A/I

Experience of stem cell culture and neuronal differentiation

D

A/I

Skills and abilities

IT proficiency at advanced user level (Spreadsheet, Word Processing, Database, Email, Web based applications)

E

A/I

Excellent oral and written communication skills

E

A/I

Strong problem solving abilities

E

A/I

Excellent organisational skills, with the ability to work efficiently on multiple sites

E

A/I





Criteria

Essential or Desirable

Assessment method (Application/Interview)

Personal attributes

Excellent inter-personal skills with an ability to work co-operatively in a multidisciplinary setting

E

A/I

Resourceful and able to act on own initiative

E

A/I

Interested in research and a commitment to supporting high quality research

E

A/I

Meticulous and accurate in all aspects of work

E

A/I

We offer you employment in a scientifically excellent, established and breakthrough research institution in Europe. With our top research, we enrich the world's treasury of knowledge and participate in solving the most pressing challenges of society. Health, sustainable energy, climate change, the circular economy and safe food are the most important of these. We provide employees with an inspiring work environment in which they can fulfill their professional mission.

Duration of employment: employment is for a definite period (12 months) with a three-month probationary period and the possibility of extending the contract

Start of employment: as soon as possible or by agreement

Additional information: +386 1 4760 217

Candidates should send written offers in Slovenian or English language by **23.3.2022** to the e-mail address zaposlitev@ki.si, with the annotation "**for the vacancy Research Assistant Professor (m/f) - L19**".

