

DEPARTMENT OF BIOLOGICAL SCIENCES

Postdoctoral research position in selective autophagy research using bioinformatics approaches

Title: Special Scientist (PhD Holder)

No. of Positions: One (1)

Category: One (1) year with possibility of renewal

Location: University of Cyprus, Nicosia

The University of Cyprus (www.ucy.ac.cy) invites applications for one (1) full time Special Scientist at the postdoctoral level. The successful candidate will conduct fundamental research as part of a funded project from the Cyprus Research & Innovation Foundation (RIF). They will be working in the Bioinformatics Research Laboratory (BRL; <http://troodos.biol.ucy.ac.cy/>) within the Department of Biological Sciences, under the supervision of Dr. Vasilis Promponas, and will collaborate closely with researchers from the Medical School of the University of Crete, as well as with our network of collaborators on the topic of selective autophagy.

Note: Candidates need not be citizens of the Republic of Cyprus.

Required qualifications

The successful candidate is expected to have:

- PhD in Bioinformatics/Computational Biology or in related disciplines with research experience in Bioinformatics/Computational biology.
- Promising academic record & high motivation in developing a long-term career in research.
- Excellent understanding of basic concepts in molecular cell biology, molecular evolution, and protein structure & interactions. Experience in eukaryotic systems is a plus.
- Excellent time management, communication, and organizational skills.
- Proficiency in English, including experience in scientific writing.
- First author publications in peer-reviewed scientific journals.

Technical skills

- Proficiency in programming in at least one high-level programming language (e.g. C/C++, Perl, Python).
- Extensive experience with relevant data types and resources (including protein sequences and structures, genomic/proteomic data resources etc).
- Extensive experience in applying statistical methods, including Machine/Deep learning methods, to develop/validate/test prediction models in Bioinformatics.
- Web and database programming experience (e.g. REACT, Flask, FASTapi, REST, PostgreSQL/MySQL) is desirable but not essential.
- Being familiar with FAIR data principles and other technologies such as Biomedical Text Mining, containerisation, High Performance Computing, is a plus.

Duties and Responsibilities

The successful candidate will have a lead role in a research team working towards developing a comprehensive and user-friendly data portal offering integrated access to community-driven, high-quality, experimentally derived information regarding LIR-motif::LC3 interactions as well as improved bioinformatics tools for characterisation and cataloguing of novel selective autophagy receptor/adaptor/scaffold proteins. The successful candidate is expected to conduct high-quality research and be very open to collaboration with other members of the BRL and project partners. They will **(a)** lead the design and implementation of novel computational resources for selective autophagy research, **(b)** support project management (including the preparation and submission of project reports), **(c)** supervise junior researchers, **(d)** contribute to dissemination activities (including drafting manuscripts, participating in meetings and conferences abroad), and **(e)** participate in preparation of relevant grant proposals.

Employment terms

The position is for 12-months, with possibility for renewal for up to a further 12 months. The gross monthly salary is €3,500.0. Employee contributions shall be deducted from the gross salary. 13th salary bonus is not provided. The position is based at the University of Cyprus, in Nicosia, and participation in short term scientific missions to collaborating entities abroad and participation in international meetings/conferences is anticipated.

Submission of applications

Applications should contain the following information:

1. Expression of interest, highlighting qualifications relevant to the position (max. 1 page).
2. A curriculum vitae (max. 3 pages).
3. Copies of degrees.
4. Contact details of 2 potential referees (at least 1 of them in a University/Research Institute) who could be contacted to provide recommendations for the applicant, if required.

Application material should be sent as a single PDF file to vprobon@ucy.ac.cy at the latest until **14th of March 2022.**

At least the best three candidates that satisfy the required qualifications, will be interviewed by a 3-member Committee and all candidates shall be informed of the result of their application by the relevant entity.

The University of Cyprus shall collect and process your personal data according to the provisions of the General Regulation on Personal Data 2016/679 (EU).

For more information the candidates may contact the Project Coordinator, Assoc. Prof. Vasilis Promponas, Tel.: (00357) 22892879 or email: vprobon@ucy.ac.cy.