UNIVERSITY OF CYPRUS
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CENTER OF EXCELLENCE IN BIOBANKING AND BIOMEDICAL RESEARCH
MOLECULAR MEDICINE RESEARCH CENTER
VACANT POSITION FOR A SPECIAL SCIENTIST – <u>BIOINFORMATICS</u>

Title: Special Scientist (Research Fellow) - Bioinformatics

Number of positions: One (1)

Category: Contract for 2 years, with potential for renewal

Place of employment: University of Cyprus, Nicosia

The biobank.cy Center of Excellence at the University of Cyprus has one (1) opening for a Special Scientist (Research Fellow) in Bioinformatics funded by the research program: Center of Excellence in Research and Innovation - Biobanking and the Cyprus Human Genome Project (*CY*-Biobank)", which is co-funded by the European Commission, the Republic of Cyprus and the University of Cyprus.

Required Qualifications:

The candidate must:

1. Hold a master's degree in Bioinformatics or a related subject (e.g., Computational Biology, Mathematics, Biological Sciences, etc.). Doctoral degree (PhD) in these subjects will be considered as an additional qualification.
2. Have at least 2 years of proven work/research experience in the field of analysis and management of diverse types of genomics data, resulting from high throughput analyses and in particular next generation sequencing (NGS) data. The candidate must have proven experience in whole genome, whole exome and panel sequencing data alignment, variant calling, and annotation. Experience in clinical NGS analyses will be considered as an additional qualification. Implementation of UMI pipelines will also be considered as an advantage.
3. Be familiar with variant annotation tools and able to build and implement variant filtering strategies/pipelines. Knowledge of tools such as VEP, SAMTOOLS, VARSOME, databases such as DBSNP, UCSC, CLINVAR, and variant classification strategies using ACMG and/or HGMD, is required.
4. Have the ability to perform data mining and to extract interconnecting relevant knowledge from ontologies and databases.
5. Have knowledge in Linux and in statistical analysis of clinical data, using widely known tools such as RStudio, Python, MATLAB, etc.

Candidate Profile:

The candidate should be creative, enthusiastic, and passionate about research. Candidates do not have to be citizens of the Republic of Cyprus. A candidate with previous experience in a similar position, who also has proven qualifications and the ability to take initiatives, will be preferred.

Responsibilities:

The candidate will work closely with other researchers regarding:

1. The process and management of diverse types of data by applying appropriate bioinformatics tools and analyses.
2. The design of workflows for analysis, quality assessment, and functional annotation of NGS data (Ampliseq panel sequencing, whole genome and exome sequencing, etc).
3. The investigation of biological questions arising from sequencing data.

Terms of employment

The position is for a two-year full-time contract with the possibility of renewal depending on funding. The monthly gross earnings will range depending on qualifications from €2000-€3000. Employee contributions will be deducted from this amount. The program does not provide for the payment of 13th salary.

Submission of applications:

1. A letter expressing interest to the position with a brief description of qualifications relevant to the opening (1 page).
2. A brief curriculum vitae with description of previous experience (3 pages).
3. Copies of degrees.
4. Contact details for at least two people qualified to provide recommendations for the candidate, if required.

At least the best three candidates that satisfy the required qualifications, will be interviewed by a 3-member Committee. Candidates will 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).

The application material should be sent electronically as one single pdf file to biobank@ucy.ac.cy , at the latest until **31 May 2022**.

For more information the candidates may contact the Coordinator of the project, Prof. C. Deltas, Tel.: 22-892882 or Email: Deltas@ucy.ac.cy