CLINICAL GENOMICS DATA ANALYST

Fundació Puigvert is a monographic nephro-uro-andrological hospital of international prestige integrated in Hospital de la Santa Creu i Sant Pau and associated to the Autonomous University of Barcelona. It is part of the Sant Pau Biomedical Research Institute (IIB Sant Pau). The molecular biology laboratory at Fundació Puigvert has performed diagnosis and research of inherited kidney diseases for more than 15 years, receiving samples from all over Spain and abroad. We perform genetic diagnostics mostly based on next-generation sequencing technology. For data analysis we collaborate with Barcelona Supercomputing center (BSC), a center that centralizes a large fraction of the genomic analysis related to disease at national and European level. This collaboration offers an ideal scenario to develop a strong expertise in bioinformatics applied to clinics, a field that is growing and expanding throughout clinical research and practice.

We seek a responsible and motivated person interested in translational research applied to genetic diagnostics of inherited kidney diseases. He/she will work in close collaboration with BSC and should have experience in NGS data analysis including workflow design, annotation, interpretation and reporting. The candidate is expected to setup a MySQL database and conduct analysis of NGS data, as well as to contribute to the research activity in the center. Experience with genetic analysis of complex diseases will be highly valued. The applicant must be proactive and able to work independently on his/her specific projects and as part of a team.

RESPONSABILITIES

1. NGS data analysis on inherited kidney diseases, including workflow design, annotation, interpretation and reporting.
2. Development and maintenance of data analysis pipelines.
3. Development and maintenance of MySQL database.
4. Statistical analysis of NGS data.

REQUIREMENTS

1. Preferred biomedical related degree and PhD in bioinformatics focused on genomics. Applicants with a bioinformatics master degree and genomics background will also be considered.
2. Experience of minimum one year in NGS bioinformatic analysis and interpretation of results, preferably in a diagnostic setting.
3. Competent in bash script, python and R programming languages.
4. Knowledge of Unix/Linux systems and MySQL databases will be highly valued.
5. Fluent in English.

JOB CONDITIONS

We offer a full time position with a competitive salary. Initial contract until December 31st 2019, with possibility of renewal.

APPLICATIONS

Interested candidates may submit:
- CV detailing experience and education.
- Brief statement of motivation and interests.
- Two references (including email address and phone number).

Please submit the application before 18th March 2018 to Elisabet Ars: ears@fundacio-puigvert.es