



Bioinformatician position at the Hubrecht Institute
Utrecht – Netherlands
Knipscheer-lab

Job description

Our genome is constantly being damaged by sources from outside but also from inside our cells. Therefore, intense surveillance is required to allow repair of this DNA damage and prevent mutations that can lead to genetic diseases such as cancer. We study how specific types of DNA damage are repaired to maintain genome integrity. For this, we use a biochemical system that recapitulates several DNA repair pathways in vitro, enabling the molecular dissection of these repair routes. The use of custom DNA templates with site-specific DNA lesions allows us to determine where repair factors bind with respect to the lesion during repair, and what DNA mutations are induced as a result of repair. To investigate this, we make use of next generation sequencing-based assays. The candidate will develop a custom ChIP-sequencing pipeline and implement and further develop existing pipelines for MNase-seq and variant calling. This work will be performed in close collaboration with members of the Knipscheer lab and will benefit from the extensive Bioinformatician community at the Hubrecht Institute.

Requirements

We seek a highly motivated (junior) bioinformatician with experience in next generation sequencing data analysis, programming in R and python, and working with Linux. The candidate should have a BSc/MSc degree in bioinformatics, or life science with experience in bioinformatics. Independent trouble-shooting skills, a collaborative attitude and fluency in English are requested.

Employment terms

Depending on education and experience the minimum salary is € 2710,- and the maximum salary is € 3619,- gross per month for a full-time appointment (scale 8 cao Nederlandse Universiteiten/KNAW). This is exclusive of 8% vacation allowance, 8.3% year-end bonus, travel allowance, internet allowance, home working allowance and pension accrual with ABP.

Information

For additional information please contact Dr. Puck Knipscheer (p.knipscheer@hubrecht.eu) or visit the website <https://www.hubrecht.eu/research-groups/knipscheer-group/>. If you want to apply for the position, please send a complete CV and motivation letter (including contact details of references) to p.knipscheer@hubrecht.eu before July 15th 2022.