

Post: Bioinformatician (fixed term, 6 months)  
Department: Biodiversity Genomics and Analytics  
Division: Science

#### Job Description

##### Key Responsibilities

- Analysis of high through put sequence data - supporting RBGE staff & students in the delivery of RBGE core objectives from the Biodiversity Genomics & Analytics section (35%)
- Bioinformatics support on Genomics projects which are core the RBGE's research programme (20%)
- Provide Bioinformatic support and training to RBGE staff and students (20%)
- Maintain and advise on routine analysis pipelines used by RBGE staff & students (15%)
- Optimisation, management and access to both in-house and external analysis hardware (10%)

##### Specific Responsibilities

- Provide Bioinformatics support to core and externally funded projects
- Manage access to external server facilities such as the CropDiversity server
- Working closely with Technology Services, optimise and manage RBGEs internal server facilities

## Person Specification

Skills/Aptitude	Essential	Desirable
Experience of Genomics informatics including WGS and phylogenomics using Hyb-seq and genome skims	*	
Experience of teaching and communication of bioinformatics to students and scientists	*	
Ability to work effectively with a range of user groups/stakeholders e.g. Science/research staff, students, internal technology colleagues	*	
Scripting in bash, R and Python	*	
Writing and troubleshooting custom NGS pipelines	*	
Management of Unix servers		*
Experience working with non-model plant sequence data		*

Knowledge	Essential	Desirable
Knowledge of NGS informatics including Hyb-seq WGS, transcriptomics, mapping	*	
Knowledge of biodiversity genetics/genomics	*	
Knowledge of current sequencing technology wet lab protocols		*
Knowledge of High Performance Computing and virtual machine management		*

Professional Qualifications	Essential	Desirable
PhD in biodiversity science, bioinformatics or equivalent relevant work experience	*	