

Postdoctoral Research Assistant, University of Dundee at JHI, Dundee, Scotland

Applications are invited for a 3-year post-doctoral position in the Division of Plant Sciences of the University of Dundee (UoD) to work on genomics-based approaches to crop improvement. The Division of Plant Sciences is located at the James Hutton Institute (JHI - formerly SCRI), Invergowrie on the outskirts of Dundee, Scotland. The successful applicant will join a team of researchers from Scotland, Germany and Israel that is using a new barley Nested Association Mapping (NAM) Population to identify beneficial gene alleles from wild barley germplasm for crop improvement. The UoD/JHI team is led by Prof. Andy Flavell.

The successful candidate will join the team to:

- Collect gene-based NGS data for the barley NAM population.
- Assist with the design and execution of field trials involving the barley NAM population
- Score phenotypic data in field trials of the NAM population related to agronomic performance under varying fertilizer input conditions
- Process and analyse the combined genotype and phenotype data using association Genetics-based approaches
- Select candidate gene alleles in the barley NAM population that are derived from wild barley and encode traits for barley crop improvement.

Qualifications needed

Applicants should have a good predoctoral degree in molecular and general genetics. Experience of the following would also be useful: plant genomics, bioinformatics (preferably involving the processing and analysis of NGS data), statistics in the context of the analysis of phenotypic data.

How to apply:

To apply on-line please visit: www.dundee.ac.uk/jobs and input LS0448 into the search facility. If you are unable to apply on-line please contact Human Resources on (01382) 386209 (answering machine) for an application pack. Please quote reference number LS0448. For informal enquiries and further particulars contact Prof. Andy Flavell, e-mail: a.j.flavell@dundee.ac.uk. (Applications sent directly to this address will not be considered). This position is funded within the European Research Area Coordinating Action in Plant Sciences (<http://www.eracaps.org/>)

Job details:

Job Ref. Number:	LS0448
Job Title:	Postdoctoral Research Assistant
College:	College of Life Sciences
School:	Life Sciences Research
Division:	Plant Sciences
Grade:	Grade 7 (£29,837 - £36,661, depending upon qualifications)
Start Date:	On or after August 4 th 2014
Tenure	3-year fixed term
Application deadline:	30 April 2014

Informative websites:

- Flavell lab at the Division of Plant Sciences (<http://www.lifesci.dundee.ac.uk/people/andy-flavell>)
- The James Hutton Institute (<http://www.hutton.ac.uk/>)
- Barley Genome Net (<http://pgrc.ipk-gatersleben.de/barleynet/>)
- ERA-CAPS (<http://www.eracaps.org/>)