



THE UNIVERSITY OF
WESTERN AUSTRALIA

Achieving International Excellence

RESEARCH ASSOCIATE (REF: 2969)

[ARC CENTRE OF EXCELLENCE IN PLANT ENERGY BIOLOGY](#)

A world-leading centre for proteomics approaches to plant science

- 2 year appointment
- Salary range: Level A \$51,895 - \$70,424 p.a. - minimum starting salary for appointee with PhD will be \$68,018 p.a.
- Plus 17% superannuation
- Closing: Friday, 27 November 2009

The **ARC Centre of Excellence in Plant Energy Biology** at The University of Western Australia includes four research teams undertaking research into organelle function and plant metabolism using functional genomics approaches in Arabidopsis. The Centre has state-of-the-art equipment for proteomics and metabolomics approaches and major resources for microarray analysis, plant genetics, imaging and computing. The appointee will work on an independently-funded project on proteome analysis of nitrogen use efficiency in cereals using state-of-the-art mass spectrometry approaches and in collaboration with an industry partner. The project will involve the quantitative protein changes in transgenic plant materials to uncover mechanistic insights into nitrogen use efficiency. Applicants must have a PhD in protein biochemistry or molecular biology or related discipline.

For further information regarding the Centre please visit the website: <http://www.plantenergy.uwa.edu.au/>. **For further information regarding the project please contact** Professor Harvey Millar by email hmillar@cyllene.uwa.edu.au.

APPLICATION DETAILS: For copies of the position description please access the website <http://jobs.uwa.edu.au/>. Written applications quoting the reference number, personal contact details, qualifications and experience, along with contact details of three referees should be sent to Director, Human Resources, The University of Western Australia, M350, 35 Stirling Highway, Crawley WA 6009 or emailed to jobs@uwa.edu.au by the closing date.

Committed to recruiting, developing and retaining the highest quality staff

THE UNIVERSITY OF WESTERN AUSTRALIA

POSITION DESCRIPTION

POSITION IDENTIFICATION

Faculty:	Life and Physical Sciences
School/Admin Department:	
Centre:	ARC Centre of Excellence, Plant Energy Biology
Section:	
Position Number:	308917
Position Title:	Research Associate
Position Classification:	HEE Level A
Supervisor Title:	Professor Harvey Millar
Supervisor Position Number:	304829

ROLE STATEMENT

As the appointee you will undertake innovative laboratory-based research on nitrogen use efficiency using proteomic approaches aimed at publication in international research journals. You will be supervised by Professor Harvey Millar (UWA) and collaborate closely with the other chief investigators on the project from ANU and UoA, and personnel from the Industry Partner.

KEY RESPONSIBILITIES

- Design, execute and analyse research on proteomic approaches to understanding nitrogen use efficiency.
- Set up reliable and reproducible experimental systems to produce samples from wheat, barley and rice samples grown at UWA or from collaborators to use in experiments.
- Work closely with computer science collaborators in building databases of mass spectra for analysis of nitrogen use efficiency and identification of proteins.
- Keep records and follow procedures required by the partners in an ARC Linkage project.
- Help maintain and troubleshoot issues in the mass spectrometry facility in collaboration with other researchers and the manufactures.
- Travel to Adelaide for annual research meetings and for occasional research collaboration visits
- Other duties as directed.

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Supervisor Title:	Professor Harvey Millar
Supervisor Position Number:	304829

SPECIFIC WORK CAPABILITIES (SELECTION CRITERIA): (Minimum requirements to perform the duties of the position, e.g. Certificate of Secondary Education).

PhD in protein biochemistry or molecular biology, or related discipline Advanced analytical skills Good interpersonal skills to work independently and in a team Experience in project management Good computing and data management skills Experience in mass spectrometry Experience in quantitative proteomics Experience in preparing manuscripts for publication and supervising students

Positions directly supervised: 6	Number of positions for which responsible: 6
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PLEASE COMPLETE AND SUBMIT WITH YOUR APPLICATION.

PRIVACY AUTHORISATION

I _____ hereby authorise The University of Western Australia to contact the referees nominated by me below for the purpose of confirming my employment history, work skills and abilities and other information to assist in the assessment of my application for employment.

Signed

Date

Nominated Referees

Referee Name: _____
Position: _____
Company: _____
Telephone No: _____
Email Address: _____

Referee Name: _____
Position: _____
Company: _____
Telephone No: _____
Email Address: _____

Referee Name: _____
Position: _____
Company: _____
Telephone No: _____
Email Address: _____

The University of Western Australia will treat all information obtained in a strictly confidential manner and will not release any information to any other party unless authorisation to do so has been obtained from the applicant.

HOW DID YOU FIRST HEAR ABOUT THE VACANT POSITION?

Please indicate how you heard about the position (tick one)

Source	Code
<input type="checkbox"/> Word of mouth from UWA staff	13
<input type="checkbox"/> Professional network (<i>please specify</i>)	14
<input type="checkbox"/> Web – jobs.uwa.edu.au	10
<input type="checkbox"/> Web – seek.com.au	15
<input type="checkbox"/> Web – UniJobs.com.au	11
<input type="checkbox"/> Web – professional careers site (<i>please specify</i>)	16
<input type="checkbox"/> Web – other Please specify	20
<input type="checkbox"/> Print – West Australian Newspaper	01
<input type="checkbox"/> Print – A WA Community Newspaper	17
<input type="checkbox"/> Print – Other WA newspaper/newsletter (<i>please specify</i>)	09
<input type="checkbox"/> Print – The Australian Newspaper	02
<input type="checkbox"/> Print – Other national newspaper (<i>please specify</i>)	08
<input type="checkbox"/> Print – International newspaper (<i>please specify</i>)	07
<input type="checkbox"/> Print – Journal (<i>please specify</i>)	18
<input type="checkbox"/> Recruitment Agency (<i>please specify</i>)	12
<input type="checkbox"/> Other. Please specify	19