



THE UNIVERSITY OF
WESTERN AUSTRALIA



plant energy **biology**
ARC CENTRE OF EXCELLENCE

POST-DOCTORAL RESEARCH FELLOW IN PLANT SYNTHETIC BIOLOGY

Epigenetics and Genomics Laboratory (Lister Lab)

ARC Centre of Excellence in Plant Energy Biology

The University of Western Australia

- 3 year appointment
- Salary: Level A (\$91,397 p.a.) or Level B (\$96,210 - \$114,250 p.a.)
- [Job Reference # 498503](#)

A post-doctoral position is available to lead the development of artificial transcriptional regulators and programmable genetic circuits in plants. The research will utilize molecular, genomic, and gene editing techniques to generate synthetic genetic circuits that integrate multiple signals to produce customizable transcriptional outputs. Candidates with a background in plant transcriptional regulation, genome editing, or synthetic biology are encouraged to apply.

The Epigenetics and Genomics Laboratory ([Lister Lab](#)), at the University of Western Australia, is comprised of molecular, cellular and computational biologists, forming a multi-disciplinary group undertaking a diverse range of (epi)genomics research. We utilize genomic, computational, genetic, molecular, and biochemical approaches to investigate the regulation of genomic information in animal and plant systems. For some examples of our work in these areas see the following publications in *Science* (2013), *Nature Genetics* (2016), and *eLife* (2016). The lab is also a member of the ARC Centre of Excellence in Plant Energy Biology (PEB), a nationally funded research centre headquartered at UWA, and a leading plant molecular research centre and focal point of plant sciences in Australia.

Candidates should have a PhD in plant molecular biology, biotechnology, genetics or related discipline, and have experience in a diverse range of plant molecular, biochemical and genetics techniques. Advantageous skills would include experience with plant transformation, synthetic biology techniques, DNA assembly, genome editing systems (CRISPR-Cas9, TALENs), and modelling of transcriptional regulation.

For further information contact Ryan Lister (ryan.lister@uwa.edu.au)

Closing date: Monday March 27, 2017

Applications must be submitted [online](#). Full details of the responsibilities and selection criteria are outlined in the position description. Applicants should demonstrate they meet the selection criteria, and should include a cover letter and a description of their research interests and career goals.