

Research Scientist - wheat germplasm development

CSIRO - Australia

Ref No: ACT 02145

Closing Date: 31 December 2011

Location: Black Mountain, Canberra, ACT

Salary: \$86K- \$93K Plus up to 15.4% superannuation

ROLE SUMMARY

Plant Industry is seeking a research scientist trained in plant breeding to be part of our research team developing elite wheat germplasm incorporating traits for higher yield and resistance to abiotic/biotic constraints. Candidates with an understanding of factors influencing growth and yield in water-limited environments will be highly regarded.

- Make a difference to Wheat Breeding Advances in Australia
- Join CSIRO, Australia's premier science & technology research organisation

Specifically you will:

- Incorporate traits of (a) low carbon isotope discrimination, (b) long coleoptiles, (c) new dwarfing genes, (d) greater early vigour, and (e) other traits as appropriate, into Australian wheat backgrounds whilst maintaining grain quality and disease resistance.
- Collaborate in the development and use of conventional and molecular breeding strategies for wheat and to pyramid desirable traits.
- Collaborate in the conduct of preliminary yield trials of selected lines.
- Collaborate with commercial wheat breeding companies to evaluate advanced breeding lines incorporating traits for improved yield and water use efficiency.

To be successful you will have:

1. A minimum four years post-PhD experience in wheat breeding or associated discipline.
2. A demonstrated capacity to work independently while interacting effectively with colleagues to develop and investigate innovative objectives, within overall project goals.
3. Demonstrated interpersonal skills conducive to fostering cooperative interactions with members of the team and colleagues in other laboratories and institutions.
4. Understanding of conventional and new breeding technologies appropriate for small-grain crops.
5. An understanding of factors influencing performance and commercial release of wheat in different regions and experience in appropriate field and controlled environments to maximise selection response.
6. Demonstrated commitment to a high level of personal performance and provision of quality outcome and ability to publish results of scientific research in various media and to present work orally with effectiveness to audiences of varying levels of scientific expertise.

CSIRO

Australia is founding its future on science and innovation. Its national science agency, Commonwealth Scientific and Industrial Research Organisation (CSIRO), is a powerhouse of ideas, technologies and skills for building prosperity, growth, health and sustainability. It serves governments, industries, business and communities.

CSIRO Plant Industry is one of the world's leading research centres for plant science, employing 750 staff located at 9 sites around Australia. It conducts research to promote profitable and sustainable agrifood, fibre and horticultural industries, develop new plant products and improve natural resource management.

<http://www.csiro.au/org/PlantIndustryOverview.html>

The successful applicant will join a multidisciplinary team at CSIRO Plant Industry committed to improving the performance of wheat in Australia. For more information on CSIRO Plant Industry please follow the link at: www.pi.csiro.au

APPLICATIONS

Please apply for this position online at www.csiro.au/careers. You may be asked to provide additional information (online) relevant to the selection criteria. If so, then responding will enhance your application so please take the time to provide relevant succinct answers. Applicants who do not provide the information when requested may not be considered.

If you experience difficulties applying online call 1300 301 509 and someone will be able to assist you. Outside business hours please email: csiro-careers@csiro.au.

Contact: Should you require more information on this position please contact Dr Richard Richards via email Richard.Richards@csiro.au or phone +61 2 6246 5090