# Research Projects – CSOF3

Role summary for potential applicants

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| Advertised Job Title**:** | Research Technician – Cotton Breeding |
| Reference Number**:** | 57554 |
| Classification**:** | CSOF3 |
| Salary Range: | AU $61,425 to AU $78,177 plus up to 15.4% superannuation |
| Location**:** | Myall Vale, NSW  |
| Tenure: | Indefinite/Ongoing |
| Relocation assistance**:** | Will be provided to the successful candidate if required |
| Applications are open to: | Australian Citizens and Permanent Residents Only |
| Functional Area**:** | Research Projects |
| % Client Focus - Internal: | 80% |
| % Client Focus - External: | 20% |
| Reports to the: | Group Leader |
| Number of Direct Reports: | 0 |

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| **Role Overview:** |
| The role of Research Projects staff in CSIRO is to collaborate in scientific activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental and observational work, and in carrying out the more practical aspects of the work.The CSIRO Cotton Breeding Program has significant research activities at the Australian Cotton Research Institute (ACRI) and tests advanced breeding materials at multiple off-station sites across the entire industry. A hands-on Research Technician is required to provide high levels of assistance, primarily in day to day laboratory operations as well as breeding research with the key focus of developing new varieties. This role is specifically in the quality assurance area of the breeding program. The successful candidate will require to work as an important team member as well as independently in the breeding support team to develop enhanced new varieties suitable for all cotton growing regions of Australia. |

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| **Duties and Key Result Areas:** |
| * Plan and coordination of the laboratory component of the quality assurance (QA) program associated with the cotton breeding program.
* Make high quality DNA preparations from cotton for routine QA work.
* Make protein extractions from cotton and running ELISA tests for routine QA work.
* Isolate and maintain cultures of microorganisms, particularly those related to cotton diseases.
* Maintain and update all analytical work procedures as required
* Ensure all procedures relating to PC2 certification are updated and all personnel who are using the laboratory are familiar with the procedures required to maintain its certification.
* Maintain SDSs, chemical risk assessments and chemical registers for the laboratory.
* Conduct risk assessments and hazard analysis and developing and maintaining all Safe Work Instructions for laboratory instruments and tasks.
* Maintain Dangerous Goods certification to allow shipping of materials between facilities.
* Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work as part of a multi-disciplinary, regionally dispersed research team, to carry out tasks under limited direction in support of scientific research.
* Work collaboratively with colleagues within your team, the business unit, across CSIRO, together with NSW DPI colleagues on site to reach objectives.
* Provide instruction on activities pertaining to the immediate work area and responsibilities, as required.
* Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.
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| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed****Pre-Requisites:***1. **Current driver’s license**
2. **Degree: A relevant science based degree or equivalent experience.**
3. **Communication:** Ability to communicate in a fluent and courteous manner, both orally and in writing, offering factual information supported by data, and providing constructive feedback when required.
4. **Behaviours:** A history of professional and respectful behaviours and attitudes in a diverse and inclusive environment.
5. **Adaptability:** The ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks under general direction.
6. **Problem Solving:** Demonstrated ability to investigate routine problems by identifying and considering the implications of a range of available alternative solutions**.**

***Essential Criteria:***1. Demonstrated experience in general laboratory tasks, particularly those related to a molecular biology laboratory.
2. Demonstrated experience with PC2 laboratory certification and the understanding or ability in maintaining certification.
3. Demonstrated understanding and experience in chemical risk assessments and the ability to maintain chemical registers.
4. Demonstrated experience in conducting risk assessments and hazard analysis and developing and maintaining Safe Work Instructions for laboratory instruments and tasks.
5. Demonstrated commitment to health and safety and ability to promote a positive safety culture.
6. The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks under general direction from Scientific Researchers.

**Desirable Criteria:**1. Previous involvement with cotton experimentation and knowledge of, or experience with plant breeding.
2. Previous involvement with growing and maintaining plants in greenhouses.

**As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to**:* Excellent science
* Inclusion, trust & respect
* Health, safety & environment
* Delivery on commitments.

**In your application and at interview you will need to demonstrate alignment with these behaviours.** |

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| **Other Information:** |
| **How to Apply**Please apply for this position online at <https://jobs.csiro.au/> and enter requisition number **57554**. Internal applicants please apply via ‘Jobs Central’ in SAP (click ‘Recruitment’) Please load your CV and cover letter (Maximum 2MB). You may also be required to respond to some screening questions.  If you experience difficulties applying online call 1300 984 220 for assistance. Outside Australian business hours please email: csiro-careers@csiro.au. **Referees**: Please provide contact details of two previous supervisor or academic/professional referees in your resume/CV. We will ask your permission before making contact. **Contact:** If after reading the position details above you require more information please contact: **Dr Warwick Stiller**via email: Warwick.stiller@csiro.au or phone: **02 6799 1522**Please do not email your application directly to Dr Stiller. Applications received via this method may not be considered by the selection panel.**About CSIRO**Australia is founding its future on science and innovation. Its national science agency, the 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 across the nation. Find out more! [www.csiro.au](http://www.csiro.au). We work flexibly at CSIRO, offering a range of options for how, when and where you work. Talk to us about how this role could be flexible for you. Find out more! [CSIRO Balance](https://www.csiro.au/en/Careers/A-great-place-to-work/Work-life-balance) **CSIRO Agriculture and Food** is helping Australian farmers and industry improve productivity and sustainability across the agriculture sector. The Agriculture business unit will focus on the following challenges: * Crop improvement;
* Livestock and aquaculture genetic improvement;
* Farming systems for productivity and sustainability;
* Interactions between agriculture and the environment; climate change, adaptation and mitigation; science for healthy soils;
* Global food security and development.

Find out more! <http://www.csiro.au/en/Research/AF> |