



BIOMETRICIAN

- Leading Australian Cereal Breeder
- Vibrant working environment with a strong team culture
- Key role in implementing new tools & methods

FOR MORE INFORMATION
CONTACT:

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ABOUT US

InterGrain is a world class plant breeding company currently experiencing significant growth. We focus on breeding differentiated cereal varieties tailored for Asian export markets. InterGrain is seeking to appoint an experienced and enthusiastic Biometrician /Quantitative Geneticist to be based in Perth. The role will require a high level statistical capacity and will be expected to play a key role in the application of new methodologies and approaches.

The role will have formal links to The Centre for Biometrics and Bioinformatics at the University of Wollongong.

EXPERIENCE

You will work closely with InterGrain's plant breeders, with responsibilities including;

- Managing computer systems and databases for storage of phenotypic and genotypic data
- Developing reporting tools that can be used for identifying improved germplasm
- Identifying statistical and graphical methods to categorize germplasm
- Working with existing software providers to find tool solutions that can be used to accelerate the breeding decision making process
- Developing in-house software tools for expediting the decision process
- Educating breeding team members on the use of available databases, statistical analysis methods and graphical tools
- Establish strong links with the scientific community, interact with other biometrical and genetics research groups, and develop collaborative projects with possible student involvement

Some travel within Australia and internationally will be required.

SELECTION CRITERIA

The successful applicant will be required to have relevant experience in Biometrics and to possess the following skills and experience

- PhD in plant breeding and genetics or related field
- Proven experience in using relational databases and spreadsheet software
- Proven experience in statistical analysis and experimental design



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- Proven experience in analysing data using ASReml, R, or related software
- Proven experience in various marker-based analyses and genomic platforms, biparental QTL mapping, and genome-wide association studies
- Proven experience in analysing unbalanced data using mixed models such as factor analytic (FA) models as part of mixed model analysis
- Proven proficiency in written and oral communication in English
- Proven ability to be innovative and flexible in work with colleagues
- Ability to take leadership of scientific direction and methodology
- Experience with storing, cleaning and organising data
- Experience in using predictive modelling algorithms, supported by machine learning
- Australian citizenship, or immigration status to be legally employed in Australia

PERSONAL ATTRIBUTES

- Enthusiasm for collaborating with agricultural or biological researchers.
- Excellent written, verbal and inter-personal skills and demonstrate the ability to work in a team environment.
- Great time management, be proactive, independent, approachable and enthusiastic. High level of self motivation and initiative including the ability to work independently.

APPLY NOW

This is a fantastic opportunity to work with a prominent Australian cereal breeding company. Applications will need to address the selection criteria and include a CV listing two referees. Further information can be obtained from Tress Walmsley (CEO) +61 404 819 543, twalmsley@intergrain.com or www.intergrain.com Applications are to be submitted to:

Amanda Hind
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