

Title: Research Associate II, Plant Transformation

General Summary

Arcadia is expanding its plant transformation facility with increasing capacity in monocotyledon transformation, in particular wheat. We are seeking a candidate with extensive experience in plant tissue culture and/or transformation of wheat, and in general high level of knowledge in monocotyledon transformation.

Duties/Responsibilities

Design, execute experiments and interpret data. Work with the Group Leader in trouble shooting and process improvement of ongoing wheat tissue culture and transformation protocol. Supervise experiments performed by student interns. Participate in the process of requesting and allocating resources including equipment and consumables. Proactively and creatively develop solutions to technical problems. Contribute to the safety, training and ethical standards of the team.

Essential Job Functions:

- A strong background in monocotyledon tissue culture and plant transformation is required.
- Background in molecular biology research and plant growing in controlled growth facilities.
- Greenhouse and field research experience with transgenic plants is important.
- An ability to take research projects from conception to completion, including the analysis and interpretation of research results using statistical methods, and to work with multi-disciplinary teams, is essential.
- Makes detailed observations, analyzes data and interprets results.
- Exercises technical discretion in the design, execution and interpretation of experiments that contribute to project strategies.
- Investigates, creates and develops new methods and technologies for project advancement.
- May be responsible for identifying patentable inventions.
- May act as principal investigator in conducting own experiments.
- Excellent oral and written communication skills in English are mandatory.
- Prepares technical reports, summaries, protocols, and quantitative analyses.
- Maintains high level of professional expertise through familiarity with scientific literature.
- May participate in scientific conferences and contribute to scientific journals.
- The applicant must have proficiency with PC software for data collection and analysis, word processing, communications and spreadsheets.

Requirements

- BSc/MSc degree in Plant Biology or related field + 5 years experience in transformation of monocotyledons, of which 3 years with wheat.
- Good hand and eye coordination and the ability to use technical equipment with accuracy.
- Maintain motor vehicle minimum insurance requirements; maintains valid California drivers license; acceptable motor vehicle record.