Jeremy Todd Brawner

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## PhD Statistics / Quantitative Genetics, University of Queensland

## MSc Genetics & BSc Natural Resource Conservation & Management, University of Florida

Key Competencies

* Strong project development, monitoring and management skills promoting positive cultures in diverse teams
* Creative approaches to helping others use data to make evidence-based decisions
* Specialist in developing applied strategies to deliver improvements in agricultural, forest and natural systems

Work Experience

* **University of Florida, USA** Assistant Professor (February 2019 – Present) Project development and delivery; Created the Tree Health Genetic Resources research program; PI Coordinated Biosecurity Networks project USDA; Preventive breeding of cacao project with Mars-Wrigley; Resistance signals in Avocado; Biosecurity Australia virus detection platform creation with DAWE’s Plant Innovation Centre at Post-Entry Quarantine; Managing risk in SE Asian forest Biosecurity ACIAR project FST/2018/179, Faculty and Post-graduate Search and screening committees; Big data and AI in Plant Pathology committee coordinator.
* **University of the Sunshine Coast**, **Australia** Adjunct Professor (2019-present) & Senior Research Scientist (2013–2019) Developing genetic improvement programs for the Australian, Indonesian and Vietnamese governments; Quantifying levels of disease resistance in managed and native forest populations.
* **Gentree, Australia** Principal (Jan 2006 – Present) Create tree improvement strategies, breeding plans and genetic analyses for organizations in Australia, Indonesia, USA, PNG, Malaysia, Laos, Brazil, Ecuador, Argentina, Chile, Paraguay, Uruguay, and China; Phenotype/Genotype consolidation and application of genomic prediction; Create business development strategy for Gondwana Genomics, a spinout from CSIRO; Subject Matter Expert reviewer for One CGIAR 2022-2030 Research and Innovation Strategy projects – Genetic Technologies and Nature Positive Solutions; Borneo Forestry Cooperative founder.
* **International Union of Forest Research Organizations** (April 2014-Present) Deputy Chair Working group 2.08.07- Genetics and Silviculture of Acacias.
* **Horticulture and Forestry Sciences**, **QLD Government, Australia** Senior Research Scientist (Jan 2018 – Dec 2018) Created natural forest management decision support tool (R-Shiny app); Statistical and database training; New Forests genomic selection model development; Germplasm evaluation trial analyses.
* **CSIRO, Australia** SeniorResearch Scientist (Nov 2006 – Dec 2014) – Delivery of R&D projects involving industry, federal, state and university collaborations; Developed germplasm delivery and reforestation systems for industrial/smallholder breeding programs in Australia, New Zealand, Venezuela, Argentina, Uruguay, Brazil, Ecuador, Chile, United States, Malaysia, Thailand and Indonesia; Australian Agency for International Development (AusAID) projects in Vietnam, Laos, Cambodia, Paraguay, Argentina, Peru, Chile, Bolivia; Developed disease and drought tolerance screening systems.
* **Arborgen, New Zealand & Australia –** Genetics Lead & Business Development Manager (Nov 2004 to Nov 2006) – Merge NZ’s two largest industry forest biotechnology programs; Designed the pine and eucalypt breeding programs and genetic evaluation pipelines; Manage NZ and AUS clonal field trials and seed orchards.
* **Queensland Forestry Research Institute, Australia** Research Scientist (Oct 2002 – Nov 2004) – Developed the Q-Pine hybrid forest tree breeding strategy, operational plan and financial analysis; Genetic analysis of field trial networks for genetic parameter estimates and breeding/clonal value predictions.
* **Forestal Mininco, Chile** Geneticist (Jan 2001 – Oct 2002) – Valuation of genetic improvement programs; Data analysis and results presentation; Clonal propagation technology evaluation; Breeding strategy development.
* **CAMCORE / North Carolina State University, USA** Research Associate (Jan 2000- Dec 2000) – Seed center and nursery management; Data management and analysis for publication of species profiles.
* **Forestal Yguazu (Shell Renewable Energies), Paraguay & Argentina** Research Scientist (June 1998 – Dec 1999) Reforestation system development; Breeding population and research trial development and analysis.