

## Tasmanian Institute of Agriculture

**Holger Meinke** | [holger.meinke@utas.edu.au](mailto:holger.meinke@utas.edu.au) | +61 3 6226 6368  
Director, Tasmanian Institute of Agriculture

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Deputy Director, Strategy and Engagement

**Associate Professor Tom Ross** | [tom.ross@utas.edu.au](mailto:tom.ross@utas.edu.au) | +61 3 6226 6382  
Director, ARC Industrial Transformation Training Centre for Innovative Horticultural Products

**David Monckton** | [david.monckton@utas.edu.au](mailto:david.monckton@utas.edu.au) | + 61 401 575 829  
Lecturer Agribusiness, Masterclass in Horticultural Business

### Horticulture Centre – Sandy Bay/New Town

**Associate Professor Dugald Close** | [dugald.close@utas.edu.au](mailto:dugald.close@utas.edu.au) | +61 3 6226 2776  
Acting Associate Director of Research, Tasmanian Institute of Agriculture  
Expertise: Industry applied tree and fruit physiology  
Teaching: Horticultural Science; supervises higher degree students

**Associate Professor Calum Wilson** | [calum.wilson@utas.edu.au](mailto:calum.wilson@utas.edu.au) | +61 3 6226 6381  
Senior Research Fellow, Tasmanian Institute of Agriculture  
Expertise: Development and characterisation of novel bacterial and viral resistance in plants, elucidation of the epidemiology and ecology of plant pathogens and development of novel plant disease management and diagnostic systems  
Teaching: Plant Pathology, Crop Protection, supervises higher degree students

**Dr Sally Bound** | [sally.bound@utas.edu.au](mailto:sally.bound@utas.edu.au) | +61 3 6226 2958  
Senior Research Fellow, Tasmanian Institute of Agriculture  
Expertise: Tree fruit physiology, crop load regulation, tree manipulation, orchard floor management and soil health  
Teaching: Horticultural Science, Ag. Technology; supervises higher degree students

**Dr Nigel Swarts** | [nigel.swarts@utas.edu.au](mailto:nigel.swarts@utas.edu.au) | +61 3 6226 2174  
Research fellow, Tasmanian Institute of Agriculture  
Expertise: Applied tree physiology, nitrogen nutrition, nitrous oxide emissions, mycorrhiza  
Teaching: Supervises higher degree students  
*APAL Speed updating, 'Optimising nitrogen use for improved productivity and fruit qualities in cherries', Cider Research and Development*

**Dr Karen Barry** | [karen.barry@utas.edu.au](mailto:karen.barry@utas.edu.au) | +61 3 6226 2636  
Research fellow, Tasmanian Institute of Agriculture  
Expertise: Plant pathology, mycorrhiza, cherry rots  
Teaching: Lecturer in Plant Pathology  
*Cherry rot prediction tool; Mould in tunnel-grown raspberry – can it be predicted?*

**Dr Steve Quarrell** | [stephen.quarrell@utas.edu.au](mailto:stephen.quarrell@utas.edu.au) | +61 3 6226 6221

Research Fellow, Tasmanian Institute of Agriculture

Expertise: Entomology, integrated pest management, insect chemical ecology

Teaching: Lecturer in Entomology

*Bumblebee research, Apple Integrated Pest Management, Redberry mite*

**Dr Joanna (Jo) Jones** | [joanna.jones@utas.edu.au](mailto:joanna.jones@utas.edu.au) | +61 3 6226 2557

Research Fellow, Tasmanian Institute of Agriculture

Expertise: Manipulation of perennial horticulture physiology for maximised grape, wine, cider and cherry quality

Teaching: Viticulture, Horticulture, Extension, Farm Business Management, Supervises higher degree students; Student Outreach.

**Dr Robert Tegg** | [robert.tegg@utas.edu.au](mailto:robert.tegg@utas.edu.au) |

Research Fellow, Tasmanian Institute of Agriculture

Expertise: Plant pathological problems in vegetable crops, potatoes, bio-fumigation

*Spongospora of potatoes, Psyllid monitoring in potatoes, soil health, cavity spot in carrots*

**Dr Tamil Thangavel** | [Tamilarasan.Thangavel@utas.edu.au](mailto:Tamilarasan.Thangavel@utas.edu.au) | +61 3 62265597

Post Doctoral Research Fellow, Tasmanian Institute of Agriculture

Expertise: Molecular biology, disease epidemiology, breeding, tissue culture and fungicide resistance in poppy and potato crops.

*The role of soil borne inoculum in poppy systemic downy mildew disease*

**Dr Warwick Gill** | [warwick.gill@utas.edu.au](mailto:warwick.gill@utas.edu.au) | +61 3 6233 6598

Honorary Associate, Tasmanian Institute of Agriculture

Expertise: Mushroom culture

*Development of best practice pest and disease management for commercial mushroom culture*

**Dr Robert Nissen** | [robert.nissen@utas.edu.au](mailto:robert.nissen@utas.edu.au) | +61 3 6226 8525

Research Fellow, Tasmanian Institute of Agriculture

Expertise: Plant physiology, environmental sustainability, agribusiness, international marketing, value/supply chains, product quality assurance and safety for horticultural programs and systems, training and extension methodologies

Teaching: Horticultural Science

**Dr Peter Quin** | [peter.quin@utas.edu.au](mailto:peter.quin@utas.edu.au) | +61 3 6226 2713

Research Fellow, Tasmanian Institute of Agriculture

Expertise: Soil nitrogen transformations, nitrogen nutrition, nitrous oxide emissions, soil greenhouse gas emissions, biochar

Teaching: Supervises honours students

*'Optimising nitrogen use for improved productivity and fruit qualities in cherries'*

**Associate Professor Geoff Allen** | [geoff.allen@utas.edu.au](mailto:geoff.allen@utas.edu.au) | +61 3 6226 2732

Degree coordinator – Discipline of agriculture and food

Expertise: Entomology including insect behaviour especially biological control, chemical ecology, pollination and the use of micro sensors to understand insect movement

**Dr Sandra Garland** | [Sandra.garland@utas.edu.au](mailto:Sandra.garland@utas.edu.au) | +61 428 981 574

Research Fellow, Tasmanian Institute of Agriculture

Expertise: Extraction technology, chemistry of terpenes, aroma and compositional profile of natural extracts and effect of post-harvest conditions on extract profiles. Detection of pesticide residues in natural extracts.

**Raylea Rowbottom** | [raylea.rowbottom@utas.edu.au](mailto:raylea.rowbottom@utas.edu.au) | +61 428 745 752

National Tomato Potato Psyllid Surveillance Coordinator & PhD Candidate

Expertise: Entomology, vector borne diseases

**Horticulture Centre - Mt Pleasant Laboratories, Launceston**

**Dr Fiona Kerslake** | [Fiona.kerslake@utas.edu.au](mailto:Fiona.kerslake@utas.edu.au) | +61 439 017 192

Acting Centre Leader, Horticulture Centre, Tasmanian Institute of Agriculture

Expertise: viticulture, oenology and cider research specialising in cool climate wines.

Superstar of STEM.

**Tim Smallbon** | [timothy.smallbon@utas.edu.au](mailto:timothy.smallbon@utas.edu.au) | +61 498 254 351

Senior Horticulturist, Tasmanian Institute of Agriculture

Expertise: Grass and cereal seed multiplication, pasture, potato, onion, pea agronomy; specialist onion agronomist.

*Precision seeding benefits for processing pea production*

**Sue Hinton** | [sue.hinton@utas.edu.au](mailto:sue.hinton@utas.edu.au) | +61 3 6324 5622

Industry Development Manager, Tasmanian Institute of Agriculture

Expertise: Crop agronomy- vegetables, potatoes, poppies and essential oil crops. Soil and water management including irrigation management. Irrigation management training delivery. Extension. Project management.

**Dr Rocco Longo** | [rocco.longo@utas.edu.au](mailto:rocco.longo@utas.edu.au) | +

Expertise: Viticulture, oenology, harvest timing and technological approaches on volatile compounds and sensory profiles of lower alcohol wines

## Horticulture Centre - Cradle Coast Campus

**Dr Mark Boersma** | [mark.boersma@utas.edu.au](mailto:mark.boersma@utas.edu.au) | +61 3 6430 4928

Senior Horticulturist, Tasmanian Institute of Agriculture

Expertise: Vegetable physiology, agronomy, extension

**Dr Tamieka Pearce** | [tamieka.pearce@utas.edu.au](mailto:tamieka.pearce@utas.edu.au) | +61 3 6430 4522

Post doctoral research fellow

Expertise: Plant pathology, gene mapping

*Integrated disease management in pyrethrum*

**Dr Suzie Jones** | [suzie.jones@utas.edu.au](mailto:suzie.jones@utas.edu.au) | +61 3 6430 4502

Research Associate, Tasmanian Institute of Agriculture

Expertise: Plant pathology, crop and pasture protection, horticultural crop protection

*Development of an onion white root rot forecasting model. Biology and control of systemic poppy downy mildew.*

**Dr Jason Scott** | [jason.scott@utas.edu.au](mailto:jason.scott@utas.edu.au) | +61 3 6430 4992

Research Fellow, Tasmanian Institute of Agriculture

Expertise: Plant pathology, epidemiology and population biology of fungal pathogens and development of improved disease management strategies. Fusarium. Pyrethrum and poppy disease. Poppy systemic downy mildew.

## Horticulture Centre - Off Campus

**Dr Paul Walker** | [paul.walker@utas.edu.au](mailto:paul.walker@utas.edu.au) | +61 439 877 290

Research fellow in entomology, Tasmanian Institute of Agriculture

Expertise: entomology covering pheromone identification and application, behaviour, biological control, forecasting, modelling and environmental monitoring.

*Monitoring psyllids and psyllid predators in Australian potato crop*

## ARC Training Centre for Innovative Hort Products

Yan Lee	PhD	Improving the Quality and Shelf-life of Fresh Cut Fruit	Roger Stanley	Perfection Fresh
Vongai Dakwa	PhD	Extending the Shelf Life of Fresh Cut Leafy Salad Vegetables	Tom Ross	Houston Farms
Michelle Louise Ansaldo Mendoza-Enano	PhD	Fresh Cut Fruit Quality and Consumer Acceptance	Roger Stanley	Perfection Fresh
Dianfan Zhou	PhD	Effects of CO2 Concentration and Temperature on the Loss of Photosynthetic Induction and Other Dynamic Gas Exchange Phenomena	Holger Meinke,	
Sabine Tanios	PhD	Reducing Potato Greening	Calum Wilson	Daly Potato Company Zerella Fresh
Claire McCrory	PhD	Extending the Shelf-life of Cherries	Dugald Close	Hansen Orchards
Indika Fernando	PhD	Banana supply chain damage	Roger Stanley & Jiangang Fei	Costa Group
Maria Massey	PhD	Reassessing Organic Standards	Tom Ross, & Aron O'Cass	
Muhammad Umar	PhD	Resin canal in mango	Alistair Gracie	Northern Territory Government
Nha Huynh	PhD	Using packaging to improve produce freshness & shelf-life	Roger Stanely	

## University of Tasmania / Tasmanian Institute of Agriculture Higher degree students in Horticulture

Timothy Smallbon	MAgrSc	Export Quality Cream Gold Onion Nutrition Research Project: "From the Ground up".	Alistair Gracie
Jonathan Amponsah	PhD	Sustainable Management of Potato Powdery Scab: a case study of manipulation of soil pathogen inoculum populations with Spongospora subterranea resting spore germination stimulants	Calum Wilson
Nabeela Gulbadan Dar	PhD	Bio Prospecting Tasmanian Native Plants for Horticultural Production of Secondary Compounds of Flavour and Aroma Value	Sandra Garland
Max Edgley	PhD	Pre and Post Harvest Causes and Management Techniques to Reduce Incidence of Red Drupelet Disorder in Commercial Blackberry Cultivars ( <i>Rubus Fruticosus</i> )	Dugald Close
Gail Gnoinski	PhD	Novel Winemaking Technologies to Hasten Yeast Lysis and Build Quality in Fine Australian Sparkling Wines	Fiona Kerslake
Krithika Krishnamoorthy	PhD	Transcriptome Analysis of Poppy Downy Mildew Infections	Calum Wilson
Nadine Macha	PhD	Optimising Nutrient Management for Improved Productivity and Fruit Quality in Cherries	Nigel Swarts
Eric Mertes	PhD	The Effect of Pre-Harvest Tree Management on Fruit Quality and Phenolic Chemistry in a Sweet Cherry During Post-Harvest Storage	Dugald Close
Japhet Nivi	PhD	Mechanisms of biophysical Factors that Influence Phenological Development of Vegetable Cultivars in Central Province, Papua New Guinea	Mark Boersma
Chanjoo Park	PhD	From water to wine: Extraction of value from fruit and vegetable waste	Sandra Garland
Raylea Rowbottom	PhD	Salinity, Biotic Interactions and the Ecology and Epidemiology of Ross River Virus Vectors in South-eastern Tasmania	Geoff Allen
Bi Zheng Tan	PhD	Optimising Nutrient Management for Improved Productivity and Fruit Quality in Apples	Nigel Swarts
Harriet Walker	PhD	Improving Grapevine Yield and Wine Quality Through Optimised Vine Nutrition and Pruning	Joanna Jones
Madeleine Way	PhD	Mapping Australian Cider Uniqueness for the Production of High Quality and Consistent Craft Cider	Joanna Jones

