Tasmanian Institute of Agriculture

Holger Meinke | holger.meinke@utas.edu.au | +61 3 6226 6368
Director, Tasmanian Institute of Agriculture

James Stronach | james.stronach@utas.edu.au | +61 3 6226 7503
Deputy Director, Strategy and Engagement

Associate Professor Tom Ross | 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 | +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 | +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 | +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 | +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 | +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 | +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 | +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 | +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 |
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 | +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 | +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 | +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 | +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 | +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 | +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 | +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 | +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 | +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 | +61 3 6324 5622
Industry Development Manager, Tasmanian Institute of Agriculture

Dr Rocco Longo | 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 | +61 3 6430 4928
Senior Horticulturist, Tasmanian Institute of Agriculture
Expertise: Vegetable physiology, agronomy, extension

Dr Tamieka Pearce | 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 | +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 | +61 3 6430 4992
Research Fellow, Tasmanian Institute of Agriculture

Horticulture Centre - Off Campus

Dr Paul Walker | 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
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Project Description</th>
<th>Mentor</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Yan Lee</td>
<td>PhD</td>
<td>Improving the Quality and Shelf-life of Fresh Cut Fruit</td>
<td>Roger Stanley</td>
<td>Perfection Fresh</td>
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<td>Vongai Dakwa</td>
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<td>Tom Ross</td>
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<td>Michelle Louise Ansaldo</td>
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<td>Fresh Cut Fruit Quality and Consumer Acceptance</td>
<td>Roger Stanley</td>
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<td>Dianfan Zhou</td>
<td>PhD</td>
<td>Effects of CO2 Concentration and Temperature on the Loss of Photosynthetic Induction</td>
<td>Holger Meinke</td>
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<td>Sabine Tanios</td>
<td>PhD</td>
<td>Reducing Potato Greening</td>
<td>Calum Wilson</td>
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<td>Claire McCrory</td>
<td>PhD</td>
<td>Extending the Shelf-life of Cherries</td>
<td>Dugald Close</td>
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<td>Indika Fernando</td>
<td>PhD</td>
<td>Banana supply chain damage</td>
<td>Roger Stanley &amp;</td>
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<td>Jiangang Fei</td>
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<td>Maria Massey</td>
<td>PhD</td>
<td>Reassessing Organic Standards</td>
<td>Tom Ross, &amp; Aron</td>
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<td>Muhammad Umar</td>
<td>PhD</td>
<td>Resin canal in mango</td>
<td>Alistair Gracie</td>
<td>Northern Territory Government</td>
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<td>Nha Huynh</td>
<td>PhD</td>
<td>Using packaging to improve produce freshness &amp; shelf-life</td>
<td>Roger Stanley</td>
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<tr>
<td>Name</td>
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<td>Project Title</td>
<td>Supervisor</td>
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<td>Timothy Smallbon</td>
<td>MAgrSc</td>
<td>Export Quality Cream Gold Onion Nutrition Research Project: &quot;From the Ground up&quot;.</td>
<td>Alistair Gracie</td>
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<td>Jonathan Amponsah</td>
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<td>Sustainable Management of Potato Powdery Scab: a case study of manipulation of soil pathogen inoculum populations with Spongospora subterranea resting spore germination stimulants</td>
<td>Calum Wilson</td>
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<td>Nabeela Gulbadan Dar</td>
<td>PhD</td>
<td>Bio Prospecting Tasmanian Native Plants for Horticultural Production of Secondary Compounds of Flavour and Aroma Value</td>
<td>Sandra Garland</td>
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<td>Max Edgley</td>
<td>PhD</td>
<td>Pre and Post Harvest Causes and Management Techniques to Reduce Incidence of Red Drupelet Disorder in Commercial Blackberry Cultivars (Rubus Fruticosus)</td>
<td>Dugald Close</td>
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<td>Gail Gnoinski</td>
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<td>Novel Winemaking Technologies to Hasten Yeast Lysis and Build Quality in Fine Australian Sparkling Wines</td>
<td>Fiona Kerslake</td>
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<td>Krithika Krishnamoorthy</td>
<td>PhD</td>
<td>Transcriptome Analysis of Poppy Downy Mildew Infections</td>
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<td>Nadine Macha</td>
<td>PhD</td>
<td>Optimising Nutrient Management for Improved Productivity and Fruit Quality in Cherries</td>
<td>Nigel Swarts</td>
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<td>Eric Mertes</td>
<td>PhD</td>
<td>The Effect of Pre-Harvest Tree Management on Fruit Quality and Phenolic Chemistry in a Sweet Cherry During Post-Harvest Storage</td>
<td>Dugald Close</td>
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<td>Japhet Nivi</td>
<td>PhD</td>
<td>Mechanisms of biophysical Factors that Influence Phenological Development of Vegetable Cultivars in Central Province, Papua New Guinea</td>
<td>Mark Boersma</td>
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<td>Chanjoo Park</td>
<td>PhD</td>
<td>From water to wine: Extraction of value from fruit and vegetable waste</td>
<td>Sandra Garland</td>
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<td>Raylea Rowbottom</td>
<td>PhD</td>
<td>Salinity, Biotic Interactions and the Ecology and Epidemiology of Ross River Virus Vectors in South-eastern Tasmania</td>
<td>Geoff Allen</td>
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<td>Bi Zheng Tan</td>
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<td>Harriet Walker</td>
<td>PhD</td>
<td>Improving Grapevine Yield and Wine Quality Through Optimised Vine Nutrition and Pruning</td>
<td>Joanna Jones</td>
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<td>Madeleine Way</td>
<td>PhD</td>
<td>Mapping Australian Cider Uniqueness for the Production of High Quality and Consistent Craft Cider</td>
<td>Joanna Jones</td>
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</table>
TIA is a joint venture between the University of Tasmania and the Tasmanian Government.