

# Waite Research Institute Showcase

## December 7, National Wine Centre



- 9:10 *Professor Matthew Gilliham & Professor Laura Parry*  
Welcome and day introduction
- 9:20 Session 1, chaired by Professor Wayne Pitchford (AVS)**
- 9:25 – 9:45 *Industry speaker – Prof. Hannah Brown, Director of Science, Innovation and Commercialisation SARDI*  
State of Grace or state of confusion: What Taylor and The Kinks can teach us about the future of Ag innovation in SA!
- 9:45 – 9:55 *Dr. Julian Taylor, AAGI*  
New frontier analytics research to drive impactful improvements to the Australian grains industry
- 9:55 – 10:05 *Dr. Mango Parker, AWRI*  
Supporting wine producers to manage smoke taint risk when assessing grapes
- 10:05 – 10:15 *Dr. Stephanie Watts-Fawkes, WRI*  
Help or hindrance: are mycorrhizal fungi making our cereals less nutritious?
- 10:15 – 10:30 *Dr. James Cowley, AFW*  
New food research capabilities at Waite
- 10:30 – 10:45 PhD talks  
*Adele Barca*: Commercialising the Australian insect industry, are we there yet?  
*Chigozie Ofoedu*: Growing duckweed into a protein-rich biomass for novel foods  
*Natalia Caliani*: Revolutionising winemaking: unleashing the hidden power of non-*Saccharomyces* yeast
- 10:45 – 10:55 Awards presented by Professor Matthew Gilliham

### **Morning tea, opportunity to view posters**

- 11:25 Session 2, chaired by A/Prof. Chris Ford (AFW)**
- 11:30 – 11:40 *Dr. Mariana Caetano, AVS*  
The use of low-dose seaweed oil supplement in beef cattle - what is next?
- 11:40 – 11:50 *Dr. Cristian Varela, AFW*  
Characterising non-*Saccharomyces* yeast species from Australian wine ferments
- 11:50 – 12:00 *Dr. David Logan, AFW/SARDI*  
The vision and reality of integrated pest management
- 12:00 – 12:10 *Dr. Lei Chen, SET*  
Autonomous Agritech in delivering integrated solutions for farmers
- 12.10 – 12:20 *Dr. Scott Boden, AFW*  
Cultivating tomorrow: future-proofing crop productivity

- 12:20 – 12:35 PhD talks
- Alison Gill*: Emerging evidence for industrial hemp drought resistance
- Maddie Facy*: Genetic relationship among yearling fertility and weight traits in tropically adapted cattle
- Chelsea Matthews*: Understanding *Cannabis* variation: the path to a better plant
- 12:35 – 12:55 *Industry speaker – Tress Walmsley, CEO InterGrain*
- The impact of plant breeding and future opportunities

**Lunch break, opportunity to view posters**

- 13:55 Session 3, chaired by Dr. Mark Krstic (AWRI)**
- 14:00 – 14:20 *Industry speaker – Iain Cooper & Dr. Doug Stewart, Technical brewer and Maltings Manager Coopers*
- Coopers Brewstillery - sip happens, with sustainable barley
- 14:20 – 14:30 *Dr Cristobal Onetto, AWRI*
- The 1000 grapevine genomes project: cataloguing Australia's grapevine germplasm
- 14:30 – 14:40 *Dr Shervin Kabiri, AFW*
- Forever chemicals and agriculture: how PFAS enter the food chain and what we can do to prevent it
- 14:40 – 14:50 *Dr. Stefan Hiendleder, AVS*
- Mammalian heterosis is programmed *in utero*
- 14:50 – 15:00 *Dr. Matthias Salomon, AFW*
- Agave: a new Australian crop with a resilient spirit
- 15:00 – 15:10 *Dr. Ehsan Tavakkoli, AFW*
- Re-Engineering the rhizosphere & soil: towards a productive, resilient, climate-ready agricultural sector
- 15:10 – 15:20 *Dr. Jenna Malone, AFW*
- Investigation of target-site mutations causing herbicide resistance: what's the point (mutation)?
- 15:20 – 15:30 *A/Prof. Jenny Mortimer, AFW*
- Greening the future: plant biomanufacturing for sustainable living on Earth and in Space!
- 15:30 – 15:50 PhD talks
- Dr. Trang Nguyen*: Food waste 'Warriors', 'Strugglers' and 'Slackers': segmenting households based on food waste generation and sorting behaviours
- Zane Marks*: Primed and Ready: an insight into seed priming in hemp
- Benjamin Kurya*: Altering the strigolactone D53 gene improves the nitrogen use efficiency of barley
- Tea Knezevic*: Novel microbes in Australian plants: characterisation and industrial potential
- 15:50 Day wrap up by Professor Matthew Gilliam

**Networking opportunities with drinks and nibbles, opportunity to view posters**