

***Waite Research Institute Showcase***
***5 December 2022, National Wine Centre***

9.30 Matthew Gilliham: day introduction
9.35 Laura Parry: welcome

***Session 1: Dryland agriculture*** *Chair: Jason Able (UoA)*

9:40 Stephen Lee: South Australian Drought Resilience Adoption and Innovation Hub
10.00 Janine Croser: SARDI: SARDI Crop and Pasture Improvement Program – an overview
10.15 Bettina Berger: APPF: OzBarley – from genome to phenome and back again

10:30 Matthew Tucker: AFW: Holding your head up – genetic and agronomic strategies to protect barley yield

10:40 Mark Farrell: CSIRO

10:55 PhD presentations - Jacinta Dockerill: AFW: Fertiliser Toxicity - A new ecotoxicological approach

Ruby Hume: AFW: Shining a light on Soil acidification in SA

*11 – 11.30: Morning tea*

***11:30-11:50 Industry speaker – Stephen Loss: GRDC:*** Major drivers impacting the profitability of the grains industry

***Session 2: Value added agrifoods*** *Chair: Rachel Burton (UoA)*

11.50 AWRI Strategic Partnership Focus

Mango Parker: AWRI: Smoke and wine –learning from the past and preparing for the future

Marlize Bekker: AWRI: Sulfur compounds in wine: The double-edged sword
 Anthony Borneman: AWRI: A clone by any other name; The genetics of grapevine clonal identity
12:20 Phil van Eyk: Chemical Engineering and Advanced Materials:
12.35 PhD student - Ishka Bless: AFW; Defining the flavours and textures of edible insects
12.38 PhD Student - Jacqueline Barsby: AFW: Superfood or Superficial? Analysing the accuracy of superfood health claims on social media

*12.40 – 13.30: Lunch break*

***13:30- 13:50 Industry speaker – Oli Madgett, Perennial:*** The role of AgTech in progressing agriculture

***Session 3: Supporting the agrifood and wine value chain***  *Chair: Kerry Wilkinson (UoA)*

13.50 Steven Lapidge: CRC Fight Food Waste: Fighting food waste through innovation
14:10 Matthew Knowling: AFW: Bridging the gap between data and decisions: Real-time model-data fusion for vineyard situational awareness
14.25 Rachel Ankeny: ABLE
14.35 Ruchira Ranaweera: AFW: “Exploring the chemistry behind flavour” at the International Flavour Research Centre

14:42 PhD student Alix Harlington: Biological Sciences: Small molecule binding proteins as biosensors of smoke taint

*14.45 – 15:05: Afternoon break*

***Session 4: Biosecurity and livestock well-being***  *Chair: Rob Woodgate (UoA)*

15:05 Darren Trott: AVS: ACARE’s role in the ARC-ITTC for Agricultural and Environmental Solutions to Antimicrobial Resistance
15.20 Tatiana Soares da Costa: WRI: Resistance is futile: Overcoming the rise of superbugs and noxious weeds
15.35 Nicole Thompson: SARDI Biosecurity
15.50 Will van Wettere: AVS
16:05 PhD Student - Billie-Jay Brougham: AVS: Maternal supplementation of dietary betaine and guanidinoacetic acid during gestation to improve twin lamb viability and survival PhD Student - Bobbie Lewis Baida: AVS: Investigating the physiological and behavioural impacts of heat stress in sheep

16.10 Day wrap-up, followed by networking opportunities with drinks and nibbles