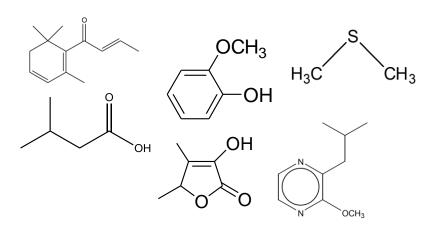


## AWRI



Key wine aroma compounds: their origin, aroma properties and how to dial them up or down





-	Time	Presentation Title	Presenter
_	14:00 – 14:10	Welcome and Introduction	Leigh Francis
	14:10 – 14:40	Varietal thiols and green characters	Natoiya Lloyd
•	14:40 – 15:10	Fermentation and monoterpene derived characters	Leigh Francis
	15:10 – 15:35	Eucalyptol	Dimitra Capone
•	15:35 – 16:10	Pepper	Leigh Francis
	16:10 – 16:35	Afternoon Tea	
·	16:35 – 17:05	Reductive and oxidised characters	Christine Mayr
·	17:05 – 17:35	Norisoprenoids – TDN and Methoxypyrazines	Assoc Prof. Gavin Sacks
•	17:35 – 18:00	Faults and taints	Cory Black
•	18:00	Close	

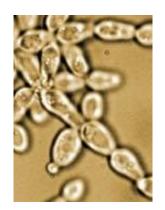
### Workshop aims



- Become familiar with common wine compounds their aroma and how you would describe them
- Origin and formation, latest research outcomes











#### The sense of smell



- volatile compounds that are detected by the olfactory bulb
  - sniffing a wine
  - retronasal: odours in mouth
- flavour: total sensations from smell, taste and touch
  - Taste: sweet, salt, acid, bitter, umami
  - Touch: astringency, heat, weight, viscosity, irritation





# Assessing the importance of compounds to wine flavour



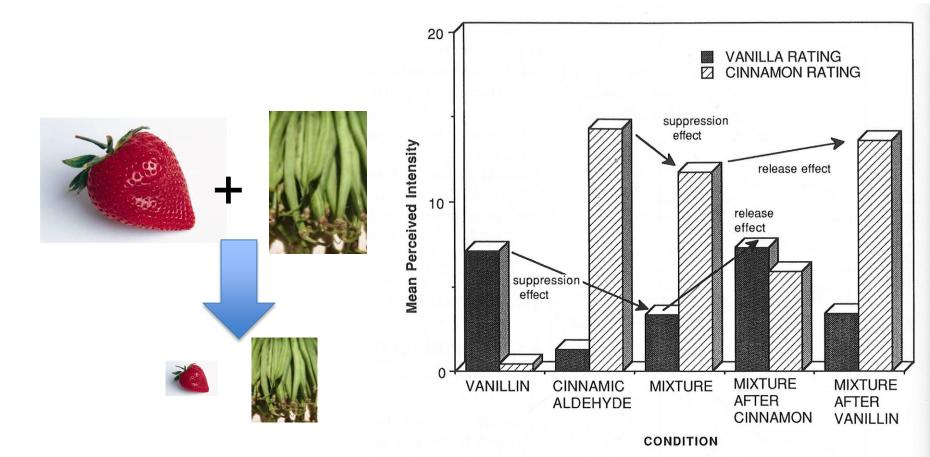
- Up to 1400 volatile compounds implicated
- Concentration: low ng/L to g/L
- Aroma detection threshold
  - also ng/L to g/L
  - Threshold is an average: individuals can have much lower threshold than the panel average
- Concentration relative to threshold Odour activity value



### Flavour is all about balance



- Flavour compounds strongly interact, usually suppressing each other
- Can be additive effects



## Acknowledgements



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