

# RACI NSW Analytical & Environmental Chemistry What's New in Laboratory Technology

Wednesday the 23<sup>rd</sup> of November 2022

CSIRO, Bradfield Rd, West Lindfield 2070

8:30 am to 9:00 am	Registration	
9:00 am to 9:10 am	Opening Welcome	Danny Slee (National Measurement Institute)
9:10 am to 9:40 am	Beyond UHPLC	Prof. Andrew Shalliker (University of Western Sydney)
9:40 am to 10:05 am	Sensory Chemical Analysis of VOCs for Environmental Assessment	Prof. Richard Stuetz (University of New South Wales)
10:05 am to 10:30 am	Impurity Testing Lithium Hydroxide Monohydrate using the NexION 5000 Multi-Quad ICPMS	Peter Dickenson (Perkin Elmer)
10:30 am to 11:00 am	Morning Tea	
11:00 am to 11:25 am	Selective Electrochemical Detection of Dopamine at a Physically Small, Antifouling Sensor	Dr. Danny Wong (Macquarie University)
11:25 am to 11:50 am	Discover the possibilities: Introducing Agilent's New Single and Triple Quad GCMS and the new HydroInert Ion Source for Hydrogen Carrier Gas Specific Applications	Maria Findeisen (Agilent)
11:50 am to 12:15 pm	Multiplexed Screening of Thousands of Natural Products for Protein-Ligand Binding in Native Mass Spectrometry	Assoc. Prof. Alex Donald (University of New South Wales)
12:15 pm to 1:15 pm	Lunch	
1:15 pm to 1:40 pm	Latest Technology Advancements in High Sensitivity LC-MS/MS to Increase Instrument Robustness	Nigel Grieves (Shimadzu)
1:40 pm to 2:05 pm	Importance of Detection, Quantification and Identification of Microplastics – does my instrument matter?	Åsa Jämting (National Measurement Institute)
2:05 pm to 2:30 pm	Analysing Complex Volatile Compounds – The Need for Speed, the Map of Middle Earth and Which Pill to Choose, Red or Blue?	Ben MacLeod (LECO)
2:30 pm to 3:00 pm	Afternoon Tea	
3:00 pm to 3:25 pm	Comparison of Silica Analysis by FTIR vs XRD	Martin Mazereeuw (TestSafe)
3:25 pm to 3:50 pm	In-Column Derivatisation for High Efficiency Analysis of Natural Samples	Thirada Suktham (University of Western Sydney)
3:50 pm to 4:00 pm	Closing Thankyou	Danny Slee (National Measurement Institute)
4:00 pm to 4:30 pm	Networking	

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