# **ACSME 2021 - Day 1: Wednesday September 29**

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| 10.00-11.10 AEST | Welcome Professor Cristina Varsavsky, Director ACDS Teaching and Learning Centre  Professor Melissa Brown, President of the ACDS Keynote: Associate Professor Alison Flynn, University of Ottawa  Session Chair: Dr Erica Smith, The University of New England | | |
| 11.15-12.30 AEST  (Discussion 12.00 AEST) | **Theme: Assessment** Watch:  **#1:** ***How proportioning marks affects the performance of Allied Health students in a pharmacology course***  Presenter: Sheila Doggrell  **#2:** ***Key drivers for assessment change in uncertain times***  Presenters: Lara Wakeling, Danielle Wagstaff, Tulsa Andrews  **#3:** ***Comparing the questions in online chemistry exams to paper-based exams with the use of Blooms taxonomy***  Presenters: Alice Lu, Stephen George-Williams, Reyne Pullen  Join Discussion at 12.00 Moderator: | **Theme: Teaching approaches 1** Watch:  **#1:** ***Utilising technologies for post-COVID multimodal course engagement: An initial study***  Presenters: Michael J Gladys, Lachlan Rogers, Galiya Sharafutdinova, Nicholas Barnham, Patrick Nichols, Paul McDonald, Paul Dastoor  **#2:** ***Effect of self-regulated learning training on foundation bioscience students***  Presenters: Vicki Dunk, Pam Megaw, Tanya Doyle, Helen Boon  **#3:** ***Student development of problem-solving skills using metacognitive scaffolding***  Presenters: Kimberly Vo, Mahbub Sarkar, Paul White, Elizabeth Yuriev  Join Discussion at 12.00  Moderator: | **Theme: Inclusivity** Watch:  **#1:** ***Development of a sustainable online Aboriginal & Torres Strait Islander garden for learning in Health Sciences***  Presenters: Isabelle Lys, Rachel Crawford, Peter Weyand  **#2:** ***Science student reflection on Indigenous Cultural Competency Learning***  Presenters: Paris Allridge, Angela Ziebell  **#3:** ***Promoting inclusion in online first-year chemistry through the implementation of the universal design for learning framework***  P resenters: Charisse T. Reyes, Gwendolyn A. Lawrie, Christopher D. Thompson, Sara H. Kyne  Join Discussion at 12.00  Moderator: |
| 12.30-1.30 AEST | **Lunch break** | | |
| 1.30-2.30 AEST | Discussion Panel: ***Are large lectures a thing of the past?***  Christine Lindstrom (University of New South Wales), Dino Spagnoli (University of Western Australia), Matt Pye (University of New South Wales), Juliey Beckman (Australian National University)  *Convener:* Andrew Kepert (University of Newcastle)  [Click on the name of each Panel member to read more about their personal story] | | |
| 2.30-3.45 AEST  (Discussion 3.15 AEST) | **Theme: School teaching and outreach** Watch:  **#1:** ***The changing face of school teaching and professional development: pre-, during and post-COVID***  Presenter: Simon J. Crook  **#2:** ***Senior Physics Short Courses***  Presenter: Geoff Swan  **#3:** ***Benefits and barriers of online science engagement: Audience and presenter experiences of 2020 National Science Week***  Presenters: Olivia F. McRae, Ellie Downing, Alice Motion, Chiara O'Reilly, Reyne Pullen  Join Discussion at 3.15pm Moderator: | **Theme: Teaching approaches 2** Watch:  **#1:** ***Fostering group work & connection online: the juxtaposed view of student and educator***  Presenter: Tracey Kuit  **#2:** ***Our approach to online, asynchronous lectures***  Presenters: Kate Jackson, Elizabeth Angstmann  **#3:** ***Suddenly simultaneous: Dual delivery in on-campus and online modes***  Presenters: Margaret Wegener, Student-Led Observation for Course Improvement Team  Join Discussion at 3.15pm Moderator: | **Theme: Student engagement** Watch:  **#1:** ***Student response to a multi-topic kitchen practical experience in undergraduate core biology***  Presenters: Adrienne Burns, Nicholas Andronicos, Sinead Henderson, Lea Labeur  **#2:** ***Students learning experiences of Lightboard and PowerPoint instructional videos***  Presenters: Ryan E. Lopez, Dino Spagnoli  **#3:** ***COVID-19 - A mutation in the evolution of pre-clinical dentistry at a regional university***  Presenters: Sharron A. Long, Ernie Jennings, Hilary Whitehouse, Alan Nimmo  Join Discussion at 3.15pm Moderator: |
| 3.45-4.20 AEST | **Poster Presentations Session 1** Watch: Playlist | | |
| (Discussion 4.00 AEST) | #1. ***Scaffolding for impact: Active learning in Forensic Education***  Presenters: Georgina Sauzier, Alexandra Yeung, Simon W. Lewis  #2. ***Emergency-remote assessment practices for quality online education at traditional contact universities***  Presenter: Shalini Dukhan  #3. ***Career identity and mentoring in first-year Physics undergraduates***  Presenters: Annette Dowd, Helena Asher-Chiang, Daniel Totonjian, Danica Solina  #4. ***Implementing DNA and RNA nanopore sequencing technology in undergraduate teaching***  Presenter: Michael Janitz  #5. ***Challenges and triumphs of building online learning communities with students from diverse disciplines and backgrounds***  Presenter: Nirmani Wijenayake  #6. ***An investigation of inquiry-based learning in chemistry laboratories in senior secondary school and first-year university***  Presenters: Michael Calarese, Alexandra Yeung , Mauro Mocerino, David Treagust  #7. ***Investigating the social connections made by first-year students during a semester of online learning***  Presenters: Natasha McGuire, Louise Ainscough, Kay Colthorpe, Judit Kibedi  #8. ***Evaluating co-teaching as an engagement strategy for online learning science students***  Presenters: Christopher E. Jones, Jo-Anne Chuck, Gabriel G. Perrone  #9.***Retention, results and student feedback; lessons learnt from a COVID-imposed unit restructure***  Presenter: Hilary Coleman  #10. ***Technological solutions to empower students who are blind or low vision as independent learners in the chemistry laboratory***  Presenters: Prarthana Devi, Alice Motion, Jasodhara Bhattacharya, Cary A. Supalo, Siegbert Schmid | | |
| 4.25-5.00 AEST | **Poster Presentations Session 2** Watch: Playlist | | |
| (Discussion 4.40 AEST) | #1. ***Multimodal Representations in Chemistry Education: Investigating the effect of representation sequencing on student conceptions of resonance theory***  Presenters: Brodie Harp, Kim Nichols, Gwendolyn Lawrie  #2. ***Engaging with physical models, computer simulations, and immersive virtual reality to understand molecular interactions***  Presenter: Dewi Ungu, Henry Matovu, Mihye Won, David Treagust, Mauro Mocerino, Roy Tasker, Chin-Chung Tsai  #3. ***Teaching associates’ and students’ perspectives of online learning in a science degree***  Presenters: Sarah Yang, Elizabeth Yuriev, Jennifer Short  #4. ***Learning aquaponics post COVID-19 through start-up industry partnerships***  Presenters: Michael Calarese, Alexandra Yeung , Mauro Mocerino, David Treagust  #5. ***Virtual experience, real learning***  Presenters: Matthew J. Sellwood, Wendy Zhang, Martin Brown, Philip Poronnik, Craig R. Campbell  #6. ***How can a virtual reality environment allow for transferable learning in Science?***  Presenters: Annette Dowd, Camille Dickson-Deane  #7. ***Developing analytical and academic writing practices through a sustainable blended learning program***  Presenters: Yvonne C. Davila, Matthew P. Padula, Neela Griffiths  #8. ***Investigating Student Conceptions of scientific modelling, atomic structure, and bonding models***  Presenters: Marley Chia, Efpraxia Kartsonaki, Gwendolyn Lawrie  #9. ***Motivating Medical Science students to engage with chemistry concepts***  Presenter: Danielle Skropeta | | |