# **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 CentreProfessor Melissa Brown, President of the ACDSKeynote:  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 PullenJoin Discussion at 12.00Moderator:  | **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 YurievJoin Discussion at 12.00Moderator:  | **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. KyneJoin Discussion at 12.00Moderator:  |
| 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 PullenJoin Discussion at 3.15pmModerator:  | **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 TeamJoin Discussion at 3.15pmModerator:  | **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 NimmoJoin Discussion at 3.15pmModerator:  |
| 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 |