

## KEYNOTE PRESENTERS

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# THE AUSTRALIAN CONFERENCE ON SCIENCE AND MATHEMATICS EDUCATION 2021

### **Associate Professor Alison Flynn**

Alison is a 3M National Teaching Fellow, Canada's highest recognition for excellence in education at the post-secondary level and a member of the Global Young Academy. She recently received the Chemical Institute of Canada's Award for Chemistry Education and is co-recipient of uOttawa's Transition to Online Learning Leadership Award. Her work includes developing online learning tools as Open Education Resources to support student learning, including OrgChem101 and a Growth & Goals Module. Her research group studies student learning in organic chemistry and the impacts of the Growth & Goals module. At the provincial level, she is a Director on eCampusOntario's Board; this organisation brings together the province's universities and colleges to foster technology-enabled innovation, research, and excellence on behalf of and in collaboration with students. At the National level, she is the Canadian Society for Chemistry's Director of Accreditation and the inaugural associate editor for chemistry education research with the Canadian Journal of Chemistry. In all her work, she is committed to helping students succeed in their chosen careers and goals.

**Convener:** Associate Professor Erica Smith (The University of New England)

### **Associate Professor Jack Wang**

Jack challenges his students to become citizen scientists in the digital age, who learn through creating, analysing, and communicating scientific findings to the masses. Jack completed his undergraduate studies in Biochemistry and Bioinformatics, completing a dual degree in Science and Information Technology in 2006. His PhD at the Institute of Molecular Bioscience, UQ, studied the interface between molecular bioscience and microbiology in a host-pathogen-interaction context. Jack has applied his research background towards Microbiology teaching at the School of Chemistry and Molecular Biosciences at UQ, where he serves as the microbiology major convener. His educational research as a teaching-focused academic revolves around interactive inquiry-driven learning, as well as measuring the impact of blending online and face-to-face learning activities in large undergraduate courses. His work has been recognized through national teaching awards, and in 2020 he was awarded the Australian Society for Microbiology David White Teaching Excellence award, the Australian Awards for University Teaching (AAUT) Award for Teaching Excellence (Biological and Health Sciences), and was named the 2020 AAUT Australian University Teacher of the Year.

**Convener:** Associate Professor Elizabeth Angstmann (University of New South Wales)

## INVITED SPEAKERS

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### WHAT IS THE FUTURE OF ASSESSMENT?

**Dr Stephen George-Williams** (The University of Sydney)

**Dr Jo-ann Larkins** (Federation University)

**Dr Bonnie McBain** (The University of Newcastle)

**Dr Adam Rosser** (University of New England)

**Dr Joanna Tai** (Deakin University)

**Convener: Dr Shannan Maisey** (University of New South Wales)

### ARE LARGE LECTURES A THING OF THE PAST?

**Dr Juliey Beckman** (Australian National University)

**Dr Christine Lindstrom** (University of New South Wales)

**Dr Matthew Pye** (The University of Sydney)

**Dr Dino Spagnoli** (University of Western Australia)

**Convener: Dr Andrew Kepert** (The University of Newcastle)

### LEARNING FROM EACH OTHER: A TALE OF TWO EDUCATION SECTORS

**Dr Hilary Coleman** (University of Canberra)

**Genevieve Firmer** (The University of Sydney)

**Dr Helen Georgiou** (The University of Sydney)

**Ingrid Mendes** (Sydney Grammar School)

**Associate Professor Alice Motion** (The University of Sydney)

**Convener: Dr Reyne Pullen** (The University of Sydney)

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