

**ANS EDUCATION & OUTREACH
COMMITTEE INAUGURAL ONLINE
SYMPOSIUM**



1pm, Thursday 12th October

Zoom Link:

<https://uonewcastle.zoom.us/j/87547688002?pwd=YnBQVUV0Yy9uUC9tZ2hDdFUxVm1xQT09>



Chair and Discussion Lead: A/Prof. Michelle Rank; University of Melbourne

A/Prof Michelle Rank (she/they) is a teaching focused academic in the field of topographical anatomy. Michelle specialises in the design and delivery of innovative clinical anatomy training programs at the undergraduate and postgraduate levels. They are an enthusiastic educator whose teaching is exemplified by leading courageous change and delivering ground-breaking digital innovations into a discipline steeped in traditional teaching practices. Michelle's recent research focuses on what modern large cohort (600+ students) on-campus teaching can look like in the age of the digital lecture.



Dr Christina Maher; University of Sydney

Have you been paying attention? Benefits and limitations of EEG in the classroom

Dr Christina Maher is a biomedical engineer with expertise in the application of AI to brain imaging and wearable data. Christina's interest in the use of wearable EEG to enhance cognitive performance led her to explore its applications in different environments, such as the school classroom. Wearable EEG data has been incorporated in research investigating classroom attention and impact of ADHD on working memory. In this presentation, Christina will provide a deep dive into the benefits and limitation of wearable EEG devices and data, and how it can be applied to better understand and improve students' attention and performance in the classroom setting.



Dr Jack Auty; University of Tasmania

Empowering Education: Levering AI for Enhanced University Teaching

Dr Jack Auty is a distinguished lecturer at the Tasmanian School of Medicine, specializing in the intricate interplay of inflammation, immunology, and pathology as central drivers of disease. With a robust academic background, Jack holds expertise in elucidating the profound impacts of these processes on human health. Jack's research delves into the complex web of inflammation's role in various diseases, offering fresh insights into potential treatments and diagnostic strategies. In the classroom, Jack's dynamic teaching style captivates students, fostering a deep understanding of the critical connections between inflammation, immunology, and pathology. His ability to translate complex concepts into accessible knowledge equips his students with the tools they need to excel in the realm of medical sciences.