

Categories: Teleneuropsychology/ Technology

Keyword 1: teleneuropsychology

Keyword 2: neuropsychological assessment

Keyword 3: test reliability

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Lifetime Achievement Award in Research Presentation

Speaker: Vicki Anderson

Is research only about the science? A career studying early brain insult

4:30 - 5:25pm

Thursday, 2nd February, 2023

Pacific Ballroom E

Abstract:

The research landscape has changed dramatically over recent decades with the ever-growing opportunities facilitated by increasingly sophisticated technologies and statistical approaches, and complexity of governance and funding requirements, coupled with a relatively recent acknowledgement of the need to consider the impact of what we study and whether it addresses concerns that are shared by patients and consumers.

Over the past 20 years, the Melbourne Children's Brain and Mind team has followed children from the time of their brain injury as they have moved from infancy and childhood, through adolescence and into adulthood. With a backdrop of the myriad of changes in research approaches, over the life of this study, this presentation will describe the challenges and findings generated from our work and consider how key research questions have changed, whether the work has been impactful at a scientific and if it has impacted the outcomes of brain injury survivors.

Finally, given the critical importance of researchers, at any stage of their career, in the successful conduct of programs such as ours, learnings regarding ingredients supporting successful research careers will also be explored.

5 min. break

5:25 - 5:30pm

Thursday, 2nd February, 2023

Plenary B: The Pons is a Significant Neural Correlate of Affective Processing

Presenter: Tatia M.C. Lee

5:30 - 6:30pm

Thursday, 2nd February, 2023

Pacific Ballroom A

Abstract & Learning Objectives:

Research on the role of the Pons in affective processing has been scarce. Recent animal work has shown that the direct projection from the eyes to the dorsal raphe nucleus modulates affective behaviours. Our previous human work has confirmed a functionally analogous pathway between the optic chiasm and the Pons, which facilitates the processing of negative affective information. Our other studies have further identified that the Pons (1) works with the distributed corticolimbic system to shape an individual's affective states and reactivity and (2) responds to short-term meditation training to modulate affective processing. These findings offer significant insight into the role of the Pons in affective processing and regulatory mechanisms.

Upon conclusion of this course, learners will be able to:

1. Discuss the functional roles of the pons in affective processing
2. Recognize that the pons is a significant neural correlate of affective processing
3. List major neural correlates of the affective processing network

Student Liaison Committee (SLC) Student Social Event

8:00 - 9:30pm

Thursday, 2nd February, 2023