Research Interests

I am interested in the psychological processes of inhibition and attention, as they relate to healthy children and those who show deficits in these areas such as children with Attention Deficit Hyperactivity Disorder (ADHD). Inhibition can also be thought of in terms of cognitive or behavioural control. Generally, my research involves having children or adults complete tasks requiring these processes, with subsequent consideration of their task performance and concurrent brain electrical activity (e.g. EEG and/or event-related potentials, or ERPs) to understand the behaviour in terms of its neural correlates.

Some key areas of interest include:

1. The development of inhibition and attention through childhood and into adulthood
2. Inhibitory and energetic factors in AD/HD and other clinical groups
3. How these processes are best measured via brain electrical activity (EEG and/or ERPs)
4. The use of cognitive and neurocognitive training to improve behaviour

Examples of research outcomes in each of these areas of interest follow:

1. The development of inhibition and attention throughout childhood and into adulthood


2. Inhibitory and energetic factors in AD/HD and other clinical groups


3. How inhibition and attention are best measured via brain electrical activity (EEG and/or ERPs)


4. The use of cognitive and neurocognitive training to improve behaviour


Updated 21 October 2013


IP Licensing agreement with external company Neurocog Solutions to commercialise research outcomes. (2009).