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).

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. The role that energetic and other factors play in the effective use of these processes.
3. How these processes are best measured via brain electrical activity.
4. The use of cognitive and neurocognitive training to improve impulse control, memory and attention.

Here are some example publications in some of these areas of interest:

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


2. The role that energetic and other factors play in the effective use of these processes.


3. How inhibition and attention are best measured via brain electrical activity


(updated 22 June 2009)