

**Randy McIntosh**, Baycrest Institute, Canada - *Modeling and Measuring Flows between Cognitive Processes*

Dr. Randy McIntosh is a world-renowned expert in the use of neuro-imaging methods and computational modeling to understand how brain networks change with aging and how the brain recovers from damage or disease. As of 2016, he has published over 200 peer-reviewed papers and book chapters. Randy is leading a multi-million dollar project with an international team of scientists to build the world's first, functional virtual brain ([thevirtualbrain.org](http://thevirtualbrain.org)). The massive project – akin to decoding the human genome – has the potential to revolutionize how clinicians assess and treat various brain disorders, including cognitive impairment caused by stroke and Alzheimer's disease.