

May 3rd, 2017

Title: The Virtual Brain (Digital Health)

Summary:

How does our brain operate when we are excited about something, or doing our best work? Can we measure relaxation, and what does it look like? How deeply can we understand the brain, without invasive procedures? At our art-and-science interactive session, we will visually demonstrate what you always want to know about brain functions. Essentially, The Virtual Brain technology reconstructs personalized brain models, using a combination of big data and statistical physics. The Virtual Brain facilitates new and novel approaches to clinical applications and research including stroke, seizure, Alzheimer's and the aging brain. Real time applications of The Virtual Brain enable visitors to interact via their own brains, and to control visuals and sounds collectively. In combination with neuroheadsets, users will be able to watch their brain activity in live on smartphones or tablets. With a pair of VR goggles for smartphones, the experience can even be transported to virtual reality.

Come and join our session to experience a moment of self-discovery!

Speakers:

Dr. Petra Ritter

Dr. Graeme Moffat