

Dr. Brian Christie

Headbangers and Video Games

Dr. Christie began his university career playing football at the University of Calgary....for one day. After a career ending injury introduced him to the field of orthopedics, he immediately became interested in Neuroanatomy.... To this day he still avoids watching knee surgeries, and prefers working in the brain, however his love of sport has not diminished. His current research examines how video games might provide better metrics for diagnosing concussions and tracking an individual's recovery. His research focuses on sentinel indicators of cognitive capacity and cognitive reserve in both acquired and congenital disorders, and he is best known for his work showing how physical exercise can enhance synaptic structure and function in the adult brain. Dr. Christie will discuss his work in this area, and how this technology may have other beneficial applications for other populations.