



William Shuttleworth, University of New Mexico

Dr. Shuttleworth received his PhD from the University of Melbourne in Australia and, following postdoctoral training, moved to the University of New Mexico in 1998. He is currently Chair of the Department of Neurosciences at the UNM School of Medicine and maintains an active research laboratory and clinical collaborations focused on spreading depolarizations (also known as “brain tsunamis”). These waves of brain activation are now recognized as being centrally involved in the progression of brain injury, and current work includes exploring their contribution to a broader range of brain disorders. His preclinical laboratory studies focus on the fundamental mechanisms of spreading depolarization and strategies to mitigate their deleterious effects in stroke. Collaborative clinical studies involve recording spreading depolarizations in patients and identifying approaches to limit their incidence and improve patient outcomes. Dr. Shuttleworth also directs the UNM Center for Brain Recovery and Repair, which provides resources for both preclinical and clinical research, with a particular focus on junior faculty development.