The Effects of Cerebellar Transcranial Direct Current Stimulation (tDCS) on Voluntary Covert Attention

Nadia Botha
Supervisor: Dr. Chris Striemer
The Cerebellum
Imaging Studies

- Functional topography of higher cognitive functions

Stoodley & Schmahmann (2008)
Voluntary Covert Attention

• Overt vs. Covert

• Voluntary vs. Reflexive
Imaging Studies

Striemer, Chouinard, Goodale & de Ribaupierre (2015)
tDSCS and the Cerebellum

- Anodal (+), Cathodal (-), Sham
- 20 minutes, 2mA (Pope, 2015)
Results

- 21 participants
Future Considerations

- Cerebellum involvement in voluntary versus reflexive attention
- Measuring performance *during* tDCS
Thank you 😊