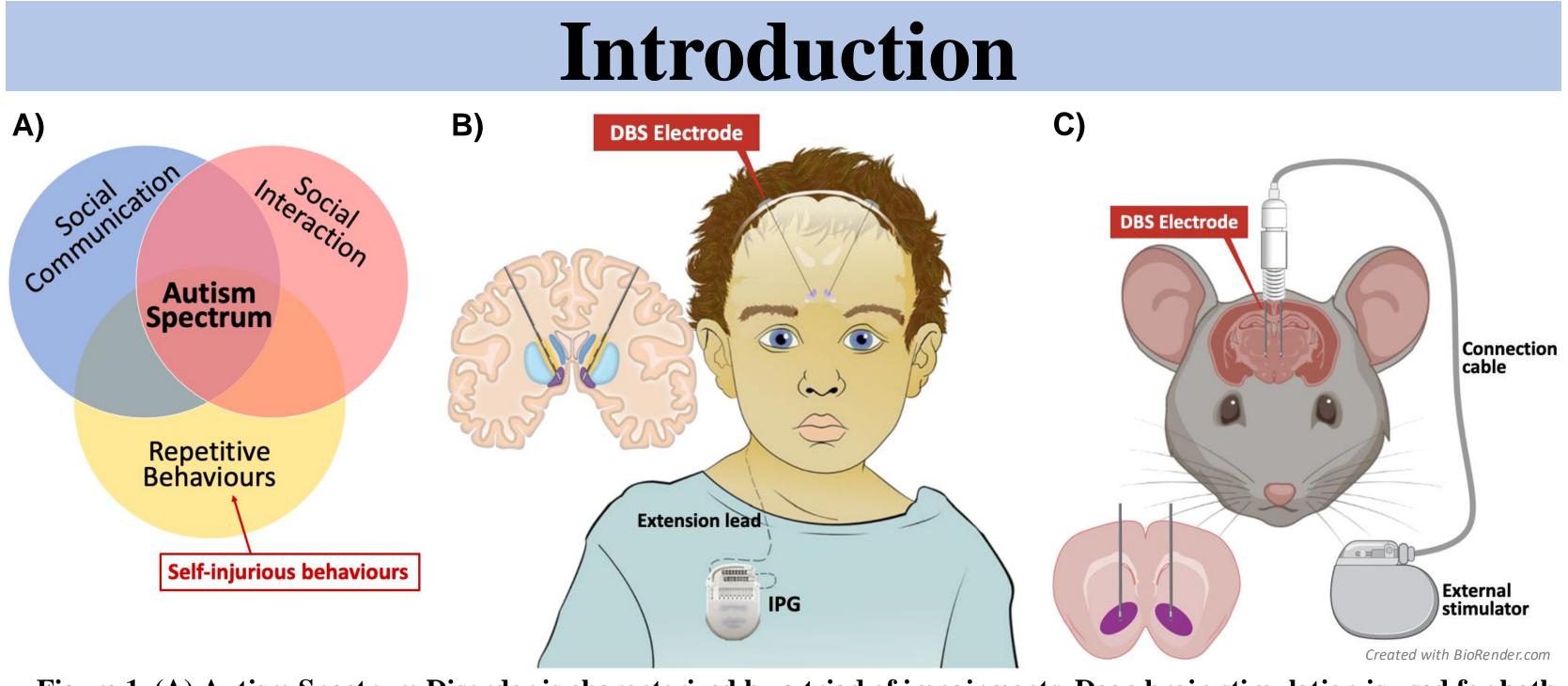
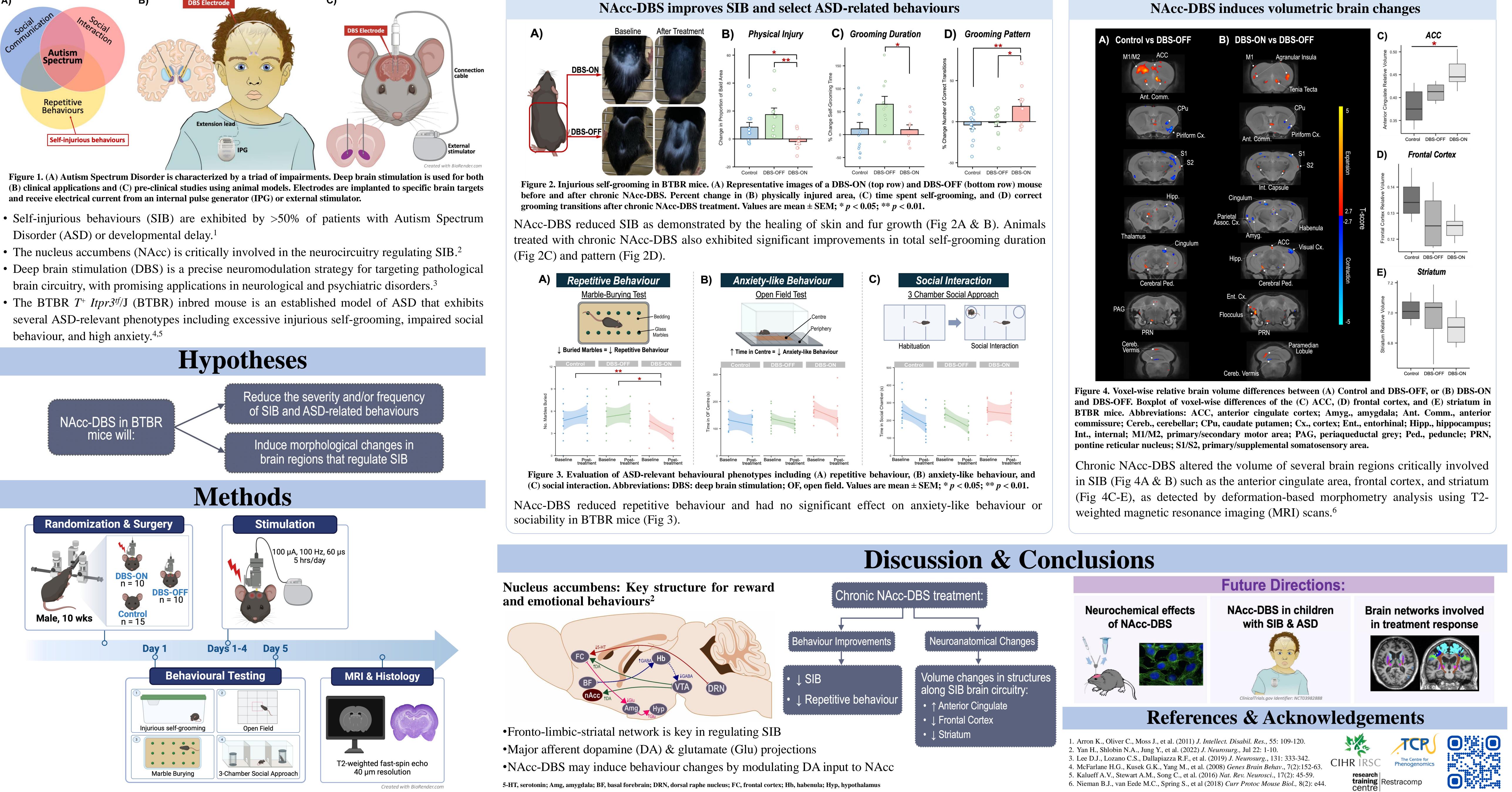
# SickKide Neural mechanisms of nucleus accumbens deep brain stimulation for self-injurious behaviours in Autism Spectrum Disorder

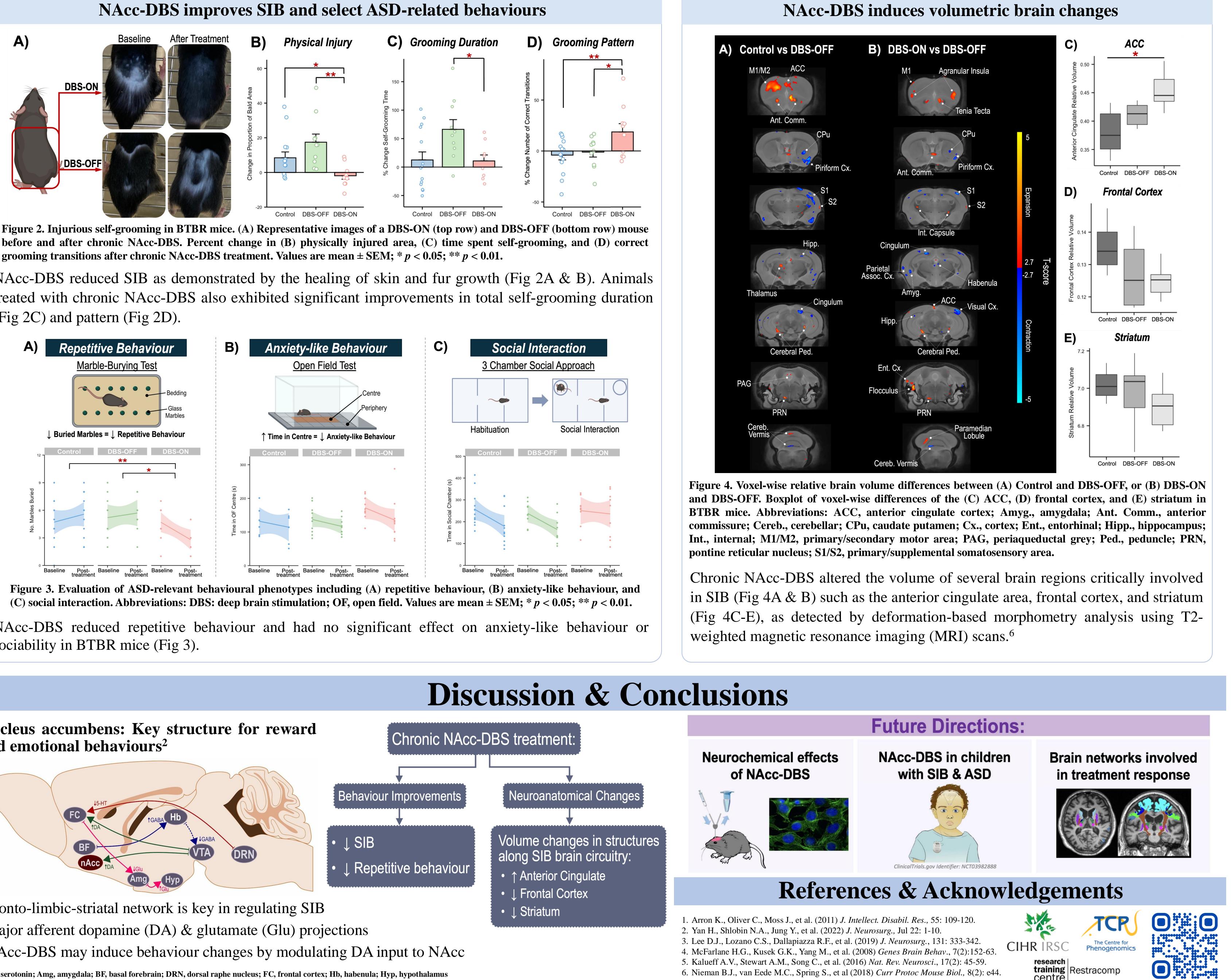


- Disorder (ASD) or developmental delay.<sup>1</sup>

- behaviour, and high anxiety.<sup>4,5</sup>



Kristina Zhang (kristina.zhang@sickkids.ca)<sup>1,2</sup>, Rafi Matin<sup>1,2</sup>, Mark Ebden<sup>2</sup>, Karim Mithani<sup>2,4</sup>, Jacob Ellegood<sup>3</sup>, Jason P. Lerch<sup>3</sup>, Flavia Venetucci Gouveia<sup>2</sup>, George M. Ibrahim<sup>1, 2, 4</sup> <sup>1</sup>Institute of Medical Science, University of Toronto; <sup>2</sup>Program in Neuroscience & Mental Health, Hospital for Sick Children; <sup>3</sup>Mouse Imaging Centre, Hospital for Sick Children; <sup>3</sup>Mouse Imaging Centre, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Sick Children; <sup>4</sup>Division of Neuroscience & Mental Health, Hospital for Si



## Results

