



Team Progress Updates

SU2C-CRUK Pediatric New Discoveries Challenge:

“BRAINatomy: A Validated Anatomical Atlas of Childhood Neuroradiation Damage”



Precision radiotherapy is currently an essential part of the treatment of many pediatric brain tumors. However, even with improvements in the targeting of the radiation, these treatments can still cause lifelong side effects on cognition and hormone production. This Team is proposing to study the path the radiation travels in treating pediatric brain tumors, comparing pre- and post-treatment in order to link brain regions to long term side effects. This project will allow the Team to identify the regions of the brain that are sensitive to radiation and involved in cognition and hormone production, in order to develop an atlas of brain regions to be avoided during radiotherapy.

