**Minutes – July 21, 2021 project is “small group” MRI analysis Zoom**

**Attending:** Rachael Garner <Rachael.Garner@loni.usc.edu>; Dominique Duncan <Dominique.Duncan@loni.usc.edu>; aubreylmartinez@gmail.com; Sweta Bhagavatula <sbhagava@usc.edu>; Akul Sharma <Akul.Sharma@loni.usc.edu>; Olli Gröhn <olli.grohn@uef.fi>; Eppu Manninen <eppu.manninen@uef.fi>; Riikka Immonen <riikka.immonen@uef.fi>; Asla Pitkanen

**Key points**

1. Modification of segmentation algorithm to work on higher resolution anatomical MRI data (multi-echo gradient-echo)
2. Refinement of segmentation algorithm to differentiate cortical lesion vs. CSF (i.e., cortical thickness throughout the cortical mantle, including the FPI and other cortical lesions)
3. To develop a pipeline to create a cortical thickness map (throughout the cortical mantle)

**Additional points**

1. Validation of the performance of cortical thickness map
   1. single location measurements (already done, but may need to be readjusted)
   2. assessment of true-positive detection of known cortical lesions in some animals
2. Planning of comparison between the human and rodent brain
   1. atlas-based vs. other strategy

**Next meeting**

August 13, 7 a.m. Finland time

August 12, 9 p.,. LA time