**April 2022 – Update from ICM on Project ATTACK-AVC**

ATTACK-AVC aims to develop a systematic and rigorous approach based on neuroimaging techniques, signal processing, and network science for the modeling and analysis of temporally dynamic neural processes that characterize motor recovery after a stroke.

The inclusion of both patient and healthy controls has naturally been impacted by the current Covid-19 pandemic, impacting in turn the acquisition of a longitudinal dataset of brain and behavioral/clinical data after a stroke.

As of December 2021, 11 participants had been included in the study: 5 healthy controls and 4 patients. 2 more patients were included but eventually excluded from the study before completing all the visits. As a reminder, the full study includes one inclusion visit at the Cerebrovascular Emergencies or the Physical Rehabilitation Medicine Department, and 4 follow-up visits, including an MRI, an EEG recording and a disability assessment.

Even despite the pandemic, Paris Brain Institute’s researchers have been able to advance the modelling part of the project, thus enabling them to develop new analytical tools. Significantly, they recently published a new mathematical model of brain connectivity in strokes that will help analyze the data collected from the ATTACK-AVC cohort.