

## ENIGMA-ADHD

- Subcortical volume analysis (Martine Hoogman, Radboud University Medical Center, Nijmegen, The Netherlands).
  - Complete: Manuscript accepted at *Lancet Psychiatry*, Jan. 10, 2017!
- Cortical Thickness and surface area (Martine Hoogman)
  - Ongoing – Data inclusion is finished, manuscript being written.
- DTI (Elena Shumskaya - Radboud University Medical Center)
  - Ongoing - data inclusion is still open.
- Cortical shape (Boris Gutman & Pamela Douglas, University of Southern California, USA).
  - Ongoing - data inclusion is still open.
- Anatomy of the cerebellum (Philip Shaw, National Institute of Mental Health, NIH, Bethesda, USA).
  - Ongoing. (note related cerebellum project by ENIGMA-Ataxia)
- Using Multi-task Deep Learning Neural Networks to discriminate ADHD Cases and Controls (ongoing) (Steve Faraone, Department of Psychiatry, SUNY Upstate Medical University, USA).
- Identification of individuals at risk for psychopathology in a population sample (ongoing) (Thomas Wolfers, Radboud University Medical Center, Nijmegen, The Netherlands).
- Characterizing heterogeneity of children with ADHD based on brain volume by using community detection (ongoing) (Ting Li, Radboud University Medical Center, Nijmegen, The Netherlands).
- Using Autoencoder Pretraining to boost performance and generalizability of Predictive Models to discriminate ADHD Cases and Controls (ongoing) (Tim Hahn, University of Frankfurt, Germany).
- Cross Disorders Harmonization
  - Ongoing - The OCD, ADHD, and ASD working groups, and the new ENIGMA Tourette syndrome group (Cross Disorders Group 2) are working on harmonizing measures across those groups so that questions can be asked comparing and contrasting groups (if interested, please contact the OCD, ADHD, and ASD group chairs)