

Brain imaging in huge population-level epidemiological studies

Organizers:

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We feel that it would be very timely to present a symposium on these studies at OHBM, to give visibility to what brain imaging is being done, and how it relates (in different ways in the different studies) to these healthcare/epidemiology studies more broadly. We will present “early” results (including from brain imaging of over 10,000 subjects already!), including associations between the neuroimaging data and other healthcare and lifestyle variables. We also include a presentation covering many complex and challenging methodological issues in such large-scale studies.

Symposia Schedule:

14:45-15:00

Brain imaging in the German National Cohort

Svenja Caspers, C. und O. Vogt Institut für Hirnforschung Heinrich-Heine-Universität Düsseldorf/Institut für Neurowissenschaften und Medizin, Düsseldorf, Germany/Jülich, Germany

15:00-15:15

Brain imaging in the Rhineland Study

Rüdiger Stirnberg, DZNE, Bonn, Germany

15:15-15:30

Brain imaging in UK Biobank

Stephen Smith, FMRIB, Oxford University, Oxford, United Kingdom

15:30-15:45

Statistical issues in huge epidemiological studies (Presentation material by Simon Cox and Ian Deary)

Simon Cox, Edinburgh University, Edinburgh, United Kingdom

15:45-16:00

Questions and Answers