HS3.5: Fifth Annual Hippocampal Subfield Segmentation Summit
San Diego, CA · Friday, November 11, 2016

TALK SESSION 1

8:00am  Check in and breakfast

9:00am  Introduction and boundary working group overview
Laura Wisse, University of Pennsylvania

9:25am  Update: Hippocampal body ranging protocol
Ana Daughtery, University of Illinois

9:40am  Update: Outer boundary protocol and questionnaire
Renaud La Joie, UC Berkeley

10:05am  Coffee break

TALK SESSION 2

10:30am  Update: Inner boundary protocol
Ana Daugherty, University of Illinois

10:55am  Update: Hippocampal head protocol
Rosanna Olsen, Rotman Research Institute, Baycrest

11:10am  General discussion

12:00pm  Catered lunch

TALK SESSION 3

1:00pm  Improving the concurrent validity of automated hippocampal subfield segmentation in older adults by direct comparison to manual tracing
Andrew Bender, Max Planck Institute

1:15pm  Automatic Segmentation of Hippocampal Subfields (ASHS) revisited: Can we do better?
Nick Tustison, UC Irvine

1:30pm  Unraveling the Subfields of the Hippocampal Head with 7T MRI
Jordan DeKraker, University of Western Ontario

1:45pm  Coffee break
TALK SESSION 4

2:00pm  Medial temporal lobe subregion volume reductions are associated with preclinical cognitive decline
Rosanna Olsen, Rotman Research Institute, Baycrest

2:15pm  Advanced age, vascular risk and inflammation exacerbate differential shrinkage of hippocampal subfields in healthy adults: a two-year longitudinal study
Ana Daugherty, University of Illinois

2:30pm  Effects of ApoE and BDNF polymorphisms on hippocampal subfield volumes in a healthy cognitive aging
Nikolai Malykhin, University of Alberta

2:45pm  Acute mild exercise enhances hippocampal pattern separation and hippocampal-neocortical functional connectivity
Zach Reagh, UC Irvine

COFFEE AND POSTER SESSION

3:00pm  Steps towards a harmonized protocol for medial temporal lobe segmentation: initial results of the 3T protocol for the hippocampal body
Laura Wisse, University of Pennsylvania

  How are temporal and cognitive contexts represented by hippocampal subfields?
Halle Dimsdale-Zucker, UC Davis

  Hippocampal subfield volumes contribute to episodic memory development
Attila Keresztes, Max Planck Institute

  Unfolded hippocampal coordinate system for quantitative mapping and subfield segmentation
Jordan DeKraker, University of Western Ontario

CLOSING REMARKS AND SOCIAL EVENT

4:00pm  Summary and future plans
Valerie Carr, San Jose State University

4:30pm  Meeting adjourns

5:00pm  Happy hour at M Winehouse
1918 India St
San Diego, CA 92101