

1473 WTh-AM

Relationship between age and brain structure in a large, elderly, population based sample

Richard Beare, Thanh Phan, Velandai Srikanth, Monash University, Melbourne, Australia

1475 WTh-AM

Finding Stable Sulcal Subunits : a Group Analysis of Primal Sketches of the Cortex Mean Curvature

Grégory Operto, Jean Régis, Olivier Coulon, Jean-François Mangin, Denis Rivière, Arnaud Cachia, LNAO / NeuroSpin / I2BM / CEA, Gif-sur-Yvette, France

1477 WTh-AM

Self reported physical activity is related to anterior hippocampal and parahippocampal volume

Traute Demirakca, Wencke Brusniak, Nuran Tunc-Skarka, Isabella Wolf, Carsten Diener, Gabriele Ende, Central Institute of Mental Health, Mannheim, Germany

1479 WTh-AM

In vivo Imaging of the cortical architecture of the frontal lobe

Daniel Barazany, Ory Levy, Yaniv Assaf, Tel Aviv University, Tel Aviv, Israel

1481 WTh-AM

Stochastic Neurography

Sylvain Jaume, Martin Loeprich, Ehud Schmidt, Ron Kikinis, Massachusetts Institute of Technology, Cambridge, United States

1483 WTh-AM

Selection of registration parameters with diffeomorphic registration for TBM studies on ADNI data

Matias Bossa, Ernesto Zacur, Salvador Olmos, University of Zaragoza, Zaragoza, Spain

1485 WTh-AM

Comparing the patterns of cortical correlation and fibre tract connectivity across the human brain

Gong Gaolang, Zhang Chen, Yong He, Alan Evans, McConnell Brain Imaging Center, Montreal Neurological Institute and Hospital, McGill University, Montreal, Canada

1487 WTh-AM

Lifespan stability of structural covariance in human cortex assessed using voxel-based morphometry

Jonathan Peelle, Richard Henson, Rhodri Cusack, MRC Cognition and Brain Sciences Unit, Cambridge, United Kingdom

1489 WTh-AM

Brain sub-structure atrophy in multiple sclerosis measured by automated tissue-lesion segmentation

Navid Shiee, Pierre-Louis Bazin, Peter Calabresi, Dzong Pham, Daniel Reich, Johns Hopkins University, Baltimore, United States

1491 WTh-AM*

Subpial Pathology as a Substrate for Cortical Thinning in Multiple Sclerosis: a 7T MRI study (O-Th2)

Caterina Mainero, Julien Cohen Adad, Doug Greve, Thomas Benner, Andre' van der Kouwe, Bruce Fischl, R Kinkel, Bruce Rosen, Massachusetts General Hospital, Charlestown, United States

1493 WTh-AM

Cortical gyrification and the underlying axonal connectivity in 22q11 deletion syndrome

Marie Schaer, Marie-Christine Ottet, Leila Cammoun, Djalel Meskaldji, elda fischl, Patric Hagmann, Jean-Philippe Thiran, Stephan Eliez, University Hospital Zürich, Switzerland, Zürich, Switzerland

1495 WTh-AM

Functional Anatomy of the Human Massa Intermedia

Patrick Schweder, Peter Hansen, Alex Green, Gerardine Quaghebeur, Tipu Aziz, University of Oxford, Department of Neurosurgery, Oxford, United Kingdom

NEUROANATOMY

Pharmacology

1497 WTh-AM

Methylphenidate (MPH) Effects on Response Inhibition Networks: the Role of Attentional Capture

Astrid Pauls, Owen O'Daly, Mitul Mehta, Institute of Psychiatry, London, United Kingdom

1499 WTh-AM

Combined glucose and caffeine effects on neural activity: an fMRI study

Josep M Serra-Grabulosa, Ana Adan, Carles Falcon, Nuria Bargallo, University of Barcelona, Barcelona, Spain

1501 WTh-AM

Scopolamine Reduces Response Selectivity in Visual Cortex during Selective Attention: an fMRI Study

Elana Hoffman, Wayne Drevets, Maura Furey, National Institutes of Mental Health, Bethesda, United States

1503 WTh-AM

Modulation of limbic system reward processing after methamphetamine challenge

Javier Bernacer, Philip Corlett, Pranathi Ramachandra, Brady McFarlane, Luke Clark, Trevor Robbins, Paul Fletcher, Graham Murray, University of Cambridge, Cambridge, United Kingdom

1505 WTh-AM

Segregation of Cortical Layers by Differential Responses of Dopamine D1 and D3 Receptors

Bruce Jenkins, Joseph Mandeville, Yin-Ching Chen, Amy Newman, Ji-Kyung Choi, MGH, Charlestown, United States