

**1446 WTh-PM**

**Improved Assessment of Brainstem Neuroanatomy with High Resolution MRI and DTI**

Guadalupe Soria, Matteo de Notaris, Raúl Tudela, Gerard Blasco, Josep Puig, Anna Planas, Salvador Pedraza, Alberto Prats-Galino, Experimental MRI 7T Unit, IDIBAPS, IIBB-CSIC, Barcelona, Spain

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**1448 WTh-PM**

**The Right Amygdala and Adolescent Male Substance Use**

Rebecca Blanton, Marc Potenza, Rajita Sinha, Linda Mayes, Yale University, New Haven, United States

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**1450 WTh-PM**

**Studying structural human brain networks using cortical surface area as morphometric descriptor**

Gretel Sanabria-Díaz, Lester Melie-García, Yasser Iturria-Medina, Yasser Alemán-Gómez, Gertrudis Hernández-González, Lourdes Valdés-Urrutia, Lidice Galán, Pedro Valdés-Sosa, Cuban Neuroscience Center, Havana, Cuba

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**1452 WTh-PM**

**Sex effects on small-world organization of structural brain networks in young healthy individuals**

Kai Wu, Yasuyuki Taki, Kazunori Sato, Ken Okada, Ryoji Goto, Ryuta Kawashima, Hiroshi Fukuda, Department of Nuclear Medicine and Radiology, IDAC, Tohoku University, Sendai, Japan

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**1454 WTh-PM**

**Generational differences of head shape and brain shape of Japanese**

Kazunori Sato, Shigeo Kinomura, Yasuyuki Taki, Ryoji Goto, Ken Okada, Ryuta Kawashima, Hiroshi Fukuda, IDAC, Tohoku University, Sendai, Japan

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**1456 WTh-PM**

**Brain size and gender effects on the development of inter-hemispheric connectivity**

John Lewis, Junki Lee, Alan Evans, The Brain Development Cooperative Group, Montreal Neurological Institute, McGill University, Montreal, Canada

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**1458 WTh-PM**

**Brain Tissue Thickness Estimation using a Projection Scheme**

Robert Dahnke, Rachel Aine Yotter, Gabriel Ziegler, Christian Gaser, Structural Brain Mapping Group, Department of Psychiatry, University of Jena, Jena, Germany

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**1460 WTh-PM**

**Almost nothing is left in the association between corpus callosum size and handedness**

Eileen Luders, Nicolas Cherbuin, Paul Thompson, Boris Gutman, Kaarin Anstey, Perminder Sachdev, Arthur Toga, UCLA, Los Angeles, United States

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**1462 WTh-PM\***

**The Human Connectome: Exploring Nerve Fiber Tracts at a Micrometer Scale by Means of Polarized Light (O-T1)**

Markus Axer, Uwe Pietrzyk, David Graessel, Jürgen Dammers, Björn Eiben, Kurt Hoffmann, Philipp Schloemer, Karl Zilles, Katrin Amunts, Institute of Neuroscience and Medicine (INM-1), Research Centre, Jülich, Germany

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**1464 WTh-PM**

**MorphoConnect: Toolbox for studying structural brain networks using morphometric descriptors**

Lester Melie-García, Gretel Sanabria-Díaz, Yasser Iturria-Medina, Yasser Alemán-Gómez, Cuban Neuroscience Center, Havana, Cuba

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**1466 WTh-PM**

**White matter asymmetries in the human brain: an in vivo diffusion tractography study**

Michel Thiebaut de Schotten, Flavio Dell'Acqua, Dominic ffytche, Matt Allin, Muriel Walshe, Robin Murray, Williams Steven, Declan Murphy, Marco Catani, Institute of Psychiatry, London, United Kingdom

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**1468 WTh-PM**

**Semi-automated in-vivo segmentation of visual area V1 based on structural 7 Tesla MRI**

Marcel Weiss, Gabriele Lohmann, Gerik Scheuermann, Robert Turner, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany

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**1470 WTh-PM**

**Thalamic Volume, Shape and White Matter Integrity in First-Episode Schizophrenia**

Anqi Qiu, Kang Sim, National University of Singapore, Singapore, Singapore

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**1472 WTh-PM**

**The frequency of sulcal pits and intellectual ability in the adult human brain**

Kiho Im, Yu Yong Choi, Kun Ho Lee, Sun I. Kim, Lee Jong-Min, Children's Hospital Boston, Harvard Medical School, Boston, United States

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**1474 WTh-PM**

**On alignment techniques for statistical shape analysis of brain structures using landmark coordinate**

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

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**1476 WTh-PM**

**Mental Toughness and Brain Structure**

Peter Clough, Samuel Newton, Peita Bruen, Earle Keith, Earle Fiona, Francesca Benuzzi, Simona Gardini, Alexa Huber, Fausta Lui, Annalena Venneri, University of Hull, Hull, United Kingdom

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