

NEUROANATOMY

DTI Studies, Application

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- 490 SA-PM **The Relationship of Anterior Thalamic Radiation Integrity to Psychosis Risk Associated Neuregulin-1 Variants**, *E Sprooten, GKS Lymer, S Muñoz Maniega, J McKirdy, JD Clayden, ME Bastin, D Porteous, EC Johnstone, SM Lawrie, J Hall, AM McIntosh, Edinburgh University, Edinburgh, United Kingdom*
- 492 SA-PM **Multiparametric MRI analysis of patients with amyotrophic lateral sclerosis compared to controls**, *J. Kassubek, D. Lule, A. Riecker, A.C. Ludolph, A. Unrath, H.P. Müller, University of Ulm, Ulm, Germany*
- 494 SA-PM **Corticospinal Tract Location at the Upper Pons in the Human Brain**, *MC Chang, SH Ahn, WM Byeon, SH Jang, Yeungnam university medical center physical medicine & rehabilitation, Daegu, South Korea*
- 496 SA-PM **Investigating the Relationship between Body Weight and Brain Connectivity using Diffusion Tensor Imaging**, *K Mueller, A Anwender, F Busse, A Horstmann, B Pleger, D Margulies, J Lepsien, H Moeller, M Stumvoll, A Villringer, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany*
- 498 SA-PM **Associations of systemic Interleukin-6 and caloric restriction on age-induced atrophy and microstructural indices**, *AA Willette, E Canu, EK Kastman, DG McLaren, CL Coe, SC Johnson, University of Wisconsin - Madison, Department of Psychology, Madison, WI, USA*
- 500 SA-PM **Connectivity-Based Parcellation of the Human Inferior Parietal Cortex – New Insights into the Problem of Structure-Function Relationships in Humans and Macaques**, *M Ruschel, A Anwender, TR Knösche, R Turner, S Geyer, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany*
- 502 SA-PM **Validating the Tensor Distribution Function for Fiber Reconstruction in HARDI (High-Angular Resolution Diffusion Imaging)**, *L. Zhan, A.D. Leow, S. Zhu, M.C. Chiang, M. Barysheva, A.W. Toga, K.L. McMahon, G.I. de Zubicaray, M.J. Wright, P.M. Thompson, Laboratory of Neuro Imaging, Department of Neurology, UCLA School of Medicine, University of California, Los Angeles, Los Angeles, CA, USA*
- 504 SA-PM **Detecting optic nerve changes after optic neuritis with diffusion tensor MR imaging**, *M. Li, J. Li, H.G. He, B. Lv, W.J. Li, Z.C. Wang, J.F. Xian, Institute of Automation, Chinese Academy of Sciences, Beijing, China*
- 506 SA-PM **A DTI Study of Monozygotic Twins Discordant for Obsessive-Compulsive Symptoms**, *A den Braber, D van 't Ent, DC Cath, DI Boomsma, M Barysheva, AD Lee, LC Foland-Ross, JL Stein, PM Thompson, EJC de Geus, VU University Amsterdam, Amsterdam, Netherlands*
- 508 SA-PM **Resting-state functional connectivity partitions the cerebellar cortex into lobules**, *J.X. O'Reilly, C.F. Beckmann, V. Tomassini, N. Ramnani, H. Johansen-Berg, FMRI Centre, Dept Clinical Neurology, Oxford University, Oxford, United Kingdom*
- 510 SA-PM **Reproducibility of Small World Metrics from Diffusion Tensor Tractography at 3 Tesla**, *M.J. Vaessen, P.A. Hofman, J.F. Jansen, H.N. Tijssen, A. Aldenkamp, W.H. Backes, Department of Radiology, Maastricht University Medical Centre, Maastricht, Netherlands*
- 512 SA-PM **Spin Tracking: A Novel Global Tractography Algorithm**, *P. Fillard, C. Poupon, J.F. Mangin, LNAO - CEA/DSV/I2BM/Neurospin, Saclay, France*
- 514 SA-PM **Brain Fiber Architecture in the Blind**, *AD Lee, N Lepore, F Lepore, F Alary, P Voss, YY Chou, C Brun, M Barysheva, AW Toga, PM Thompson, UCLA- Laboratory of Neuro Imaging - UCLA, Los Angeles, CA, USA*
- 516 SA-PM **Identification of the Rubro-olivary Tract in the Human Brain: A Diffusion Tensor Tractography Study**, *SS Yeo, SH Jang, SH Kim, WM Byun, SH Ahn, Major in Physical Therapy, Department of Rehabilitation science, Graduate school of Daegu University, Daegu, South Korea*