

Brain Research Meeting Poster Program

**Poster Session- Diamond Ballroom
18:00-19:30 November 11th, 2010**

[P001]	Social context gates other-regarding preferences in rhesus macaques (macaca mulatta) S.W.C. Chang*, M.L. Platt, <i>Duke University, USA</i>
[P002]	Transcranial magnetic stimulation in autism spectrum disorders: GABA, mirror neurons, and avenues for novel treatments P.G. Enticott, N.J. Rinehart, B.J. Tonge, J.L. Bradshaw, H.A. Kennedy, P.B Fitzgerald, <i>Monash University and the Alfred, Australia</i>
[P003]	Altered social reward and attention in anorexia nervosa K.K. Watson* ¹ , N.L. Zucker ¹ , D.M. Werling ² , M.L. Platt ¹ , ¹ <i>Duke University, USA</i> , ² <i>UCLA, USA</i>
[P004]	Recognizing emotions from moving point light figures: Development of an adult test of 'social understanding' K. Alaerts*, S.P. Swinnen, N. Wenderoth, <i>Katholieke Universiteit Leuven, Belgium</i>
[P005]	Neurobiological correlates underlying aberrant integration of social and executive processes in adults with high-functioning autism K.L.H. Carpenter* ^{1,2} , A. Belger ^{1,2} , ¹ <i>University of North Carolina at Chapel Hill, USA</i> , ² <i>Duke University, USA</i>
[P006]	MeCP2 deficiency in GABAergic neurons recapitulates Rett syndrome phenotypes H.T. Chao* ¹ , H. Chen ¹ , R. C. Samaco ¹ , M. Xue ² , C. Rosenmund ^{1,3} , H. Y. Zoghbi ^{1,4} , ¹ <i>Baylor College of Medicine, USA</i> , ² <i>University of California at San Diego, USA</i> , ³ <i>Charite Universitaetsmedizin, Germany</i> , ⁴ <i>Howard Hughes Medical Institute, USA</i>
[P007]	Using zebrafish to understand the neurodevelopment role of susceptibility genes for autism spectrum disorder B. Key*, <i>University of Queensland, Australia</i>
[P008]	Social play impairment following status epilepticus during early development R.M. Cysneiros* ¹ , A.S.S. Castelhana ¹ , F.A. Scorza ² , M.C.T. V. Teixeira ¹ , R.M. Arida ² , E.A. Cavaleiro ² , ¹ <i>Universidade Presbiteriana Mackenzie, Brazil</i> , ² <i>Universidade Federal de Sao Paulo, Brazil</i>
[P009]	Fluorescent based measures of altered glutamatergic activity following MeCP2 and Mef2A gene knockdowns A. Probert ¹ , C-N. Liu ² , E. Guilmette ¹ , A. Shrikhande ¹ , N. Pozdnyakov ³ , J.E. Finley ¹ , C.J. Somps ² , D. T. Stephenson ¹ , R. H. Ring ¹ , ¹ <i>Autism TIVU</i> , ² <i>Investigative Tox.</i> , ³ <i>Alzheimers TIVU, Pfizer Inc, Groton, CT</i>
[P010]	Epac2 mediates Neuroligin-3 dependent synapse remodeling and its disease-associated forms alter spine morphology P. Penzes* ¹ , K. Woolfrey ¹ , D. Srivastava ¹ , H. Photowala ¹ , M. Yamashita ¹ , M. Barbolina ² , et al, ¹ <i>Northwestern University, USA</i> , ² <i>University of Illinois, USA</i>
[P011]	Differences in working memory processing in adults with autism spectrum disorders M. A. E. Colby ^{1,2} , M. A. Motes ^{1,2} , A. A. Coleman ¹ , B. Rypma* ^{1,2} , ¹ <i>University of Texas, USA</i> , ² <i>Center for Brain Health, USA</i>
[P012]	GAD65 autoantibody: a potential common marker of autism and attention-deficit hyperactivity disorder U.K. Rout*, N. Mungan, D.M. Dhossche, <i>University of Mississippi Medical Center, USA</i>
[P013]	Thimerosal induces VEGF release from human mast cells, but its effect is weakened by its thiosalicylate component and is blocked by luteolin S. Asadi*, B. Zhang, Z. Weng, A. Angelidou, D. Kempuraj, K-D. Alysandratos, T. T. theoharides, <i>Tufts University, USA</i>
[P014]	Neurotensin is increased in serum of young children with autism A. Angelidou* ¹ , K. Francis ² , M. Vasiadi ¹ , K-D. Alysandratos ¹ , B. Zhang ¹ , S Asadi ¹ , T. T. theoharides ¹ , ¹ <i>Tufts University, USA</i> , ² <i>Institute of Social Health Insurance, Greece</i>
[P015]	Two single nucleotide polymorphism in CD38: A relation to high-functioning autism or autism S. Yokoyama*, T. Munesue, K. Koizumi, M.S. Islam, J-J. Huang, W-J. Ma, O. Lopatina, M. Hashii, S Amina, H. Higashida, <i>Kanazawa University, Japan</i>
[P016]	Improved social communication after nasal oxytocin administration in a Japanese autistic patient with severe mental retardation H. Higashida*, T. Munesue, S. Yokoyama, <i>Kanazawa University, Japan</i>
[P017]	A 23 month longitudinal actigraphic, psychometric and observational study of risperidone response in an autism spectrum disordered child with Kabuki syndrome: implications for pharmacological strategies B.J. Duke*, <i>Child Psychopharmacology Institute, USA</i>
[P018]	Breaking pharmacological barriers to innovation: the case for assessing Dextromethorphan/Quinidine in autistic spectrum disorders B. Duke* ¹ , R. Kaye ^{1,2} , ¹ <i>Child Psychopharmacology Institute, USA</i> , ² <i>Avanir Pharmaceuticals, USA</i>

[P019]	Brain systems for action comprehension and mentalising in autism L. Marsh, A. Hamilton*, <i>University of Nottingham, UK</i>
[P020]	Imbalance between glutamatergic neuron and GABAergic neuron in animal model of autism is mediated by HDAC inhibition K.C. Kim* ¹ , H.S. Go ¹ , S.H. Lee ² , C.S. Choi ² , C.Y. Shin ² , K.H. Ko ¹ , ¹ <i>Seoul National University, South Korea</i> , ² <i>Konkuk University, South Korea</i>
[P021]	Homologous pairing of chromosome 15q11-q13 is associated with significant disruption of gene expression in human maternal chromosome 15 microcell transferred neurons M. Meguro-Horike ^{1,2} , K. N. Leung ³ , D. H. Yasui ³ , M. Oshimura ⁴ , J. M. LaSalle ³ , S. Horike* ⁵ , ¹ <i>Kanazawa University, Japan</i> , ² <i>JSPS, Japan</i> , ³ <i>University of California, Davis, USA</i> , ⁴ <i>Tottori University, Japan</i> , ⁵ <i>Kanazawa University, Japan</i>
[P022]	Investigating auditory cortical responses in autism using magnetoencephalography J. Brock*, B. Johnson, S. Bzishvili, M. Reid, <i>Macquarie University, Australia</i>
[P023]	Visual attention and neural response to faces in infants at high risk for ASD R. Luyster* ^{1,2} , J. Wagner ^{1,2} , V. Vogel-Farley ² , L. Kasparian ³ , H. Tager-Flusberg ³ , C. A. Nelson ^{1,2} , ¹ <i>Harvard Medical School, USA</i> , ² <i>Children's Hospital Boston, USA</i> , ³ <i>Boston University, USA</i>
[P024]	In utero exposure to valproic acid changes sleep patterns in juvenile rats: a potential model for studying sleep disturbances in autism spectrum disorders D. M. Cusmano*, M. A. Castello, J. A. Mong, <i>University of Maryland, USA</i>
[P025]	The amygdala in autism demonstrates alterations in microglial number and somal volume J.T. Morgan*, C.M. Schumann, D.G. Amaral, <i>University of California, USA</i>
[P026]	Activation of melanocortin receptors enhances oxytocin-dependent social cognition in an animal model relevant to autism M.E. Modi* ^{1,2,3} , L.J. Young ^{1,2,3} , ¹ <i>Emory University, USA</i> , ² <i>Yerkes National Primate Center, USA</i> , ³ <i>Center for Behavioral Neuroscience, USA</i>
[P027]	Abnormal adrenergic modulation of gabaergic synaptic transmission in a valproic acid animal model of autism F. Garcia-Oscos ¹ , L.C. Galindo ² , H. Salgado ³ , R. Ramirez ¹ , G. Flores ⁴ , M. Atzori* ¹ , ¹ <i>University of Texas at Dallas, USA</i> , ² <i>University of Texas Southwestern, USA</i> , ³ <i>Universidad Autonoma de Yucatan, Mexico</i> , ⁴ <i>Benemerita Universidad Autonoma de Puebla, Mexico</i>
[P028]	Quantitative characterization of von Economo neurons in the frontoinsular cortex in autism N. Uppal* ¹ , M. Santos ¹ , C. Butti ¹ , B. Wicinski ¹ , H. Heinsen ^{2,3} , C. Schmitz ¹ , P.R. Hof ¹ , ¹ <i>Mount Sinai School of Medicine, USA</i> , ² <i>University of Wuerzburg, Germany</i> , ³ <i>Maastricht University, The Netherlands</i>
[P029]	Transcranial magnetic stimulation : A therapeutic option in neuropsychiatric disorders L. Gomez*, B. Vidal, C. Maragoto, L. Morales, E. Padilla, M. Zaldivar, <i>CIREN, Cuba</i>
[P030]	Collaborative remembering: Beneficial to adolescents on the autism spectrum? M.A. Borlase*, E. Neumann, <i>University of Canterbury, New Zealand</i>
[P031]	Anterior cingulate and frontoinsular cortices in familial dysautonomia: A clinicopathologic exploration of the role of von economo neurons in interoception M. Santos* ¹ , N. Uppal ¹ , B. Wicinski ¹ , T. Wisniewski ² , F.B. Axelrod ² , D. Zagzag ² , ¹ <i>Mount Sinai School of Medicine, USA</i> , ² <i>New York University, USA</i>
[P032]	Neural correlates of direct versus averted gaze examined with magnetoencephalography (MEG) in autism A. Moore* ¹ , N. Morris ¹ , A. Mansour ¹ , R. Lajiness-O'Neill ¹ , S. Bowyer ² , ¹ <i>Eastern Michigan University, USA</i> , ² <i>Henry Ford Hospital, USA</i>
[P033]	Diffusion magnetic resonance imaging for the study of neural pathways in developmental disorders R.X. Moldrich* ¹ , K. Pannek ¹ , R. Hoch ² , N. Kurniawan ¹ , J.L. Rubenstein ² , L.J. Richards ¹ , ¹ <i>University of Queensland, Australia</i> , ² <i>University of California, USA</i>
[P034]	Study of CGG trinucleotide repeats in the FMR1 gene in autistic patients C. M. Ribeiro*, T. A. Hamaji, K. Griesi-Oliveira, V. N. V. O. Takahashi, E. Vasdaz, M. R. Passos-Bueno, <i>University of Sao Paulo, Brazil</i>
[P035]	Implications of TRPC6 expression to the neuronal phenotype of an autistic patient: using human induced pluripotent cells to model autism spectrum disorders K. Griesi-Oliveira* ¹ , X. Nicol ² , E. Vadasz ³ , M.W. State ⁴ , M.R. Passos-Bueno ¹ , A.R. Muotri ² , ¹ <i>Institute of Biosciences, Brazil</i> , ² <i>University of California at San Diego, USA</i> , ³ <i>University of São Paulo, Brazil</i> , ⁴ <i>Yale University School of Medicine, USA</i>
[P036]	A diathesis approach to modelling autism in rats: Interaction of immune activation in dams of either normal or inhibited temperament A.L. Agley* ^{1,2} , X. Jiao ² , K.D. Beck ^{2,3} , K.C.H. Pang ^{2,3} , N.M. Ponzio ⁴ , R.J. Servatius ^{2,3} , ¹ <i>Rutgers Honors College, USA</i> , ² <i>Stress & Motivated Behavior Institute, USA</i> , ³ <i>New Jersey Health Care System, USA</i> , ⁴ <i>University of Medicine and Dentistry of New Jersey, USA</i>

[P037]	The visual cognitive style versus deficit debate in ASD: A comparative approach with other neurodevelopmental models S. Mouga* ^{1,2} , I. Bernardino ¹ , J. Almeida ² , M. van Asselen ¹ , G. Oliveira ² , M. Castelo-Branco ¹ , ¹ University of Coimbra, Portugal, ² Pediatric Hospital of Coimbra, Portugal
[P038]	The visual processing of social information in adults G.H. Serlin* ^{1,2} , T.A. Wang ³ , M.J. Siller ^{1,2} , ¹ Hunter College of CUNY, USA, ² The Graduate Center of CUNY, USA, ³ Mount Sinai School of Medicine, USA
[P039]	Altered connectivity in the default mode and task positive networks in children with autism spectrum disorders J. D. Rudie* ¹ , L. Hernandez ¹ , Z. Shehzad ² , N. L. Colich ¹ , S. Y. Bookheimer ¹ , M. Dapretto ¹ , ¹ University of California, USA, ² Yale University, USA
[P040]	Factor structure of the social responsiveness scale in individuals with autism and their non-affected siblings V. Hus* ¹ , M. Huerta ¹ , S.-H. Kim ¹ , C. Lord ¹ , A. Buja ² , A. Krieger ² , ¹ University of Michigan Autism & Communication Disorders Center, USA, ² University of Pennsylvania, USA
[P041]	Analyses of neurexin-1 functions in synaptic targeting of alpha4beta2 nicotinic receptors S.A. Amici* ¹ , G. Ponath ¹ , J.I. Robson ¹ , S.B. McKay ¹ , J.M. Lindstrom ² , R. Anand ¹ , ¹ Ohio State University, USA, ² University of Pennsylvania, USA
[P042]	Social and repetitive behavior phenotypes of mice lacking the integrin beta3 receptor subunit gene C. Shah ¹ , M. Carter ¹ , C. Muller ¹ , J. Crawley ² , A. Carneiro ¹ , J. Veenstra-VanderWeele* ¹ , ¹ Vanderbilt University, USA, ² National Institute of Mental Health, USA
[P043]	Neurexins modulate synaptic targeting of the Alpha7 nicotinic receptor, a mediator of neuroimmune signaling G. Ponath* ¹ , S. Amici ¹ , J.I. Robson ¹ , S.B. McKay ¹ , J.M. Lindstrom ² , R. Anand ¹ , ¹ Ohio State University, USA, ² University of Pennsylvania, USA
[P044]	Morphological correlates of synaptic plasticity in a mouse model of autism D. Papapetrou*, D. Dickstein, T. Sakurai, O. Bozdagi, P. Hof, J. Buxbaum, Mount Sinai School of Medicine, USA
[P045]	Differences in grey matter volume between autistic children and healthy controls F. Kurth*, K.L. Narr, R.P. Woods, J. O'Neill, J.T. McCracken, J.G. Levitt, University of California—Los Angeles, USA
[P046]	Neurophysiological correlates of treatment outcomes in children with autism J. Stieben*, York University, Canada
[P047]	Gamma oscillations, delayed auditory evoked responses: towards translational biomarkers of autism M.J. Gandal* ¹ , M. Mehta ¹ , J.C. Edgar ² , T.P. Roberts ² , S.J. Siegel ¹ , ¹ University of Pennsylvania, USA, ² The Children's Hospital of Philadelphia, USA
[P048]	TOMTASS- A social skills group training program with focus on theory of mind for children/ adolescents with high-functioning autism spectrum disorders M.S. Mueller*, M. Biscaldi, R. Rauh, C. Fleig, E. Schulz, University of Freiburg, Germany
[P049]	Experimental investigation of implicit and explicit theory of mind abilities of children and adolescents with high functioning autism spectrum disorders R. Rauh, M.S. Mueller*, U. Schaller, M. Biscaldi, University of Freiburg, Germany
[P050]	Neuromotor performance and imitation abilities in autism spectrum disorders (ASD) and attention deficit/hyperactivity disorder (ADHD) M. Biscaldi, R. Rauh, M.S. Mueller*, C. Klein, University of Freiburg, Germany
[P051]	Neural correlates of cognitive control in children with autism T.R. van Raalten*, J. van Belle, D. Bos, M. Langen, S. Durston, UMC Utrecht Department of Child- and Adolescent Psychiatry, The Netherlands
[P052]	Reduced left pars opercularis volume is associated with reduced action execution proficiency in children on the autistic spectrum K.A. Kellett*, J.L. Stevenson, B.A. Vlach, M.A. Gernsbacher, University of Wisconsin-Madison, USA
[P053]	Implementing the MCHAT in an urban continuity clinic K. Schaus* ^{1,2} , J. Harrington* ¹ , ¹ Children's Hospital of The King's Daughters, USA, ² Eastern Virginia Medical School, USA
[P054]	Reduced BDNF gene expression and impaired neurogenesis in the hippocampus of the inbred mouse strain BTBR E. Arnold* ¹ , S. M. O'Neill ¹ , H. Samaroo ¹ , D. Hannah ¹ , S. Shetty ² , D. T. Stephenson ¹ , A. Tiwari ² , V. Vaidya ² , B. Cambell ¹ , R. H. Ring ¹ , ¹ Pfizer Global Research and Development, USA, ² Tata Institute of Fundamental Research, India
[P055]	Deletion of dishevelled-interacting protein Dact1 leads to abnormal social behavior in mice P-M. Martin*, I. Merzlyac, C. Erdman, S. P Hamilton, P.H. Janak, B.N.R. Cheyette, University of California at San Francisco, USA,

[P056]	Is myelin content altered in young adults with autism? J. Zinkstok, S. Kolind, D.G.M. Murphy, S.C.L. Deoni*, <i>King's College London, UK</i>
[P057]	A fMRI study to investigate sensorimotor processing in high-functioning adults with autism spectrum disorder R. Ackerley* ^{1,2} , E. Hassan ² , A. Curran ³ , F. McGlone ⁴ , ¹ <i>University of Manchester, UK</i> , ² <i>University of Liverpool, UK</i> , ³ <i>Alder Hey Hospital, UK</i> , ⁴ <i>Liverpool John Moores University, UK</i>
[P058]	Observed behaviour of individuals with autism spectrum disorders: A comparison study of participants entering white versus black sensory room A.R. Amraotkar*, M. Boman, R.G Nair, <i>Western Kentucky University, USA</i>
[P059]	Positive behavior supports for 3 individuals diagnosed with autism spectrum disorders using non-prompted differential reinforcement strategy A.R Amraotkar*, M. Boman, <i>Western Kentucky University, USA</i>
[P060]	Enlarged brain size in autism and its relationship to local bias B. Bleier* ^{1,2} , F.F. Walkenfeld ¹ , ¹ <i>Touro College, USA</i> , ² <i>Queens College of New York, USA</i>
[P061]	The role of progesterone in affective, social preference, and stereotypic burying behavior in a mouse model of autism D.C. Llana*, A. Delprino, D. Tedeschi, C.A. Frye, <i>University at Albany-SUNY, USA</i>
[P062]	Central (ICV) administration of propionic acid as a rodent model of ASD: Behavioural validity K.-P. Ossenkopp*, D. P. Cain, F. Boon, M. Kavaliers, K. A. Foley, D. F. MacFabe, <i>University of Western Ontario, Canada</i>
[P063]	Central (ICV) administration of propionic acid as a rodent model of ASD: Neuropathological validity D. F. MacFabe*, D. P. Cain, A. R. Taylor, K. A. Foley, F. Boon, F. Possmayer, <i>University of Western Ontario, Canada</i>
[P064]	Receptive vocabulary knowledge in individuals with autism as assessed by eye movements, pupillary dilation, and event-related potentials K. Ledoux*, E.J. Pickett, L.V. Van Droof, E. Buz, N.M. Billings, B. Gordon, <i>Johns Hopkins University, USA</i>
[P065]	Phonological processing in individuals with autism L.B. Wilson*, E. Slason, B.E. Pasko, D.C. Rojas, <i>University of Colorado Denver, USA</i>
[P066]	Functional neuroimaging of phonological processing in individuals with autism L.B. Wilson*, J.R. Tregellas, E. Slason, B.E. Pasko, S. Hepburn, D.C. Rojas, <i>University of Colorado Denver, USA</i>
[P067]	Aberrant striatal resting state functional connectivity in children with autism A. Di Martino*, C. Kelly, F. X. Castellanos, M.P. Milham, <i>NYU CSC, USA</i>
[P068]	Does the broader autism phenotype questionnaire predict eye gaze patterns during a joint attention paradigm? A preliminary analysis of neurotypical adults M.R. Swanson*, M. Siller, <i>City University of New York, USA</i>
[P069]	BTBR T+tf/J mice show changes in social behaviors and anxiety, and enhanced stereotypy D.C. Blanchard* ¹ , V. Bolivar ² , R. Pobbe ¹ , E. Defensor ¹ , B. Pearson ¹ , R.J. Blanchard ¹ , ¹ <i>University of Hawaii, USA</i> , ² <i>Wadsworth, USA</i>
[P070]	The serotonergic and somatosensory systems in serotonin transporter Ala56 knock-in mice. C.L. Muller* ¹ , A. Bonnin ² , P. Levitt ² , J.S. Sutcliffe ¹ , R.D. Blakely ¹ , J. Veenstra-VanderWeele ¹ , ¹ <i>Vanderbilt University, USA</i> , ² <i>University of Southern California, USA</i>
[P071]	Brain activity for a child with Asperger syndrome who stutters and has volume reduction in the SMA M. J. Liu* ¹ , C. F. Chen ² , L. Y. Ma ³ , ¹ <i>National Kaohsiung Normal University, Taiwan</i> , ² <i>Chang Gung Memorial Hospital, Taiwan</i> , ³ <i>Autism Resource Center, Taiwan</i>
[P072]	Brain activation and connectivity of joint attention in children using near infrared spectroscopy U. Chaudhary* ¹ , M. Hall ¹ , A. Gutierrez ² , D. Messinger ² , G. Rey ³ , A. Godavarty ¹ , ¹ <i>Florida International University, USA</i> , ² <i>University of Miami, USA</i> , ³ <i>Miami Children's Hospital, USA</i>
[P073]	Plasma fatty acid profile in Saudi patients with autism A. El-Ansary*, L. Al-Ayahdi, <i>King Saud University, Saudi Arabia</i>
[P074]	Possible genetic association of MET gene with autism in the Indian population P.R. Choudhury*, S. Sinha, A.Chatterjee, U. Rajamma, <i>Manovikas Kendra Rehabilitation and Research Institute for the Handicapped Rehabilitation and Research Institute for the Handicapped, India</i>
[P075]	Characterization of Pten knockdown on synaptic phenotypes in primary mouse cortical neurons A. V. Shrikhande, A.W. Probert, E. R.Guilmette, J. E. Finley, M. Beyna, D. T. Stephenson, R. H.Ring. <i>Autism TIVU, Pfizer Inc, Groton CT</i>
[P076]	The dorsal anterior cingulate cortex (BA32) in autism: Morphometric analyses of deep cortical layers and subcortical white matter J.S. Dunham* ¹ , E.M. Del Valle Suarez ¹ , D.P.L. Wiles ² , C. Schmitz ³ , P.L. Gabbott ¹ , P. Rezaie ¹ , ¹ <i>Open University, UK</i> , ² <i>Media Cybernetics, UK</i> , ³ <i>Maastricht University, The Netherlands</i>

[P077]	Ventral striatum hyperactivates to highly salient, self-selected, non-social rewards in autism D.Shirinyan, M.Dapretto, J. Hopkins, S. Bookheimer, <i>UCLA Center for Autism Research and Treatment, USA</i>
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