Stanford

Joachim Hallmayer

Professor of Psychiatry and Behavioral Sciences

Psychiatry and Behavioral Sciences - Child and Adolescent Psychiatry

NIH Biosketch available Online Curriculum Vitae available Online

CONTACT INFORMATION

- **Alternate Contact**

  Karen Doty - Administrative Associate

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Bio

ACADEMIC APPOINTMENTS

- Professor, Psychiatry and Behavioral Sciences - Child and Adolescent Psychiatry
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

HONORS AND AWARDS

- Fellow of the German Research Association, Deutsche Forschungsgemeinschaft (German Research Foundation) (1989)
- Young Investor Award, National Alliance for Research on Schizophrenia and Depression (1991)
- Editorial Board, Pscychiatric Genetics (1994)
- Temporary Member, Genome Study Section Center for Scientific Review (2001-2002)
- Section Editor, Current Psychiatry Reports - Nonschizophrenic Psychotic Disorders (2001)

PROFESSIONAL EDUCATION

- Dr. med., University of Cologne, Germany , Medicine (1989)
- M.D., University of Cologne, Germany , Medicine (1986)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Principal Investigator

Infrastructure to facilitate discovery of autism genes

The purpose of this project is to facilitate the discovery of the genes that contribute autism by maintaining an infrastructure which research groups studying the genetics of autism can work collaboratively. This will be

accomplished through workshops, a Virtual Private Network, and access to a database that includes phenotype and genotype data from all participating groups.

Principal Investigator

A California Population-Based Twin Study of Autism

This will address several fundamental questions: (1) What is the heritability of autism (2) What is the contribution of genetic factors to variation in symptom dimensions? (3) Is there a continuum between the quantitative neurocognitive traits and clinical disorder? (4) What proportion of the variance in the neurocognitive traits is accounted for by genetic and non-genetic factors?

Co-Investigator

Center for Integrating Ethics in Genetics Research(Cho)

The goal of this project is to serve as a center of excellence in neurogenetics research, to develop a national model for bench, to bedside research ethics consultation, and to provide training opportunity in biomedical ethics.

Co-Investigator

Gene, Brain and Behavior in Turner Syndrome(Reiss)

The primary objective of this project is to use advanced, multi-modal magnetic resonance imaging (MRI) techniques, analyses of X chromosome parent-of-origin and cognitive-behavioral assessment to elucidate the effects of monosomy and X-linked imprinting on neurodevelopment and neural function in a large cohort of young girls with Turner syndrome, pre-estrogen replacement.

Project Director

Project F: Genomic Analysis in narcolepsy cataplexy

The goal of the project is to locate genes outside the HLA region that influence susceptibility to narcolepsy. In order to localize these genes we will carry out a linkage and association study in the most extensive world-wide collection of DNAs from well-characterized patients with narcolepsy and their families.

Teaching

COURSES

2019-20

- Autism Spectrum Disorder: HUMBIO 164 (Aut)

2018-19

- Autism Spectrum Disorder: HUMBIO 164 (Aut)

2017-18

- Autism Spectrum Disorder: HUMBIO 164 (Aut)

2016-17

- Autism Spectrum Disorder: HUMBIO 164 (Aut)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Christina Chick, Jing Jiang, Yu Zhang

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Genetics (Phd Program)
- Neurosciences (Phd Program)

Publications

PUBLICATIONS

- **Genetic and environmental influences on cortico-striatal circuits in twins with autism.** *Genetic and environmental influences on cortico-striatal circuits in twins with autism.*
  Hegarty, J. P., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. C., Cleveland, S. C., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
  2019

- **Assembly of functionally integrated human forebrain spheroids** *NATURE*
  Birey, F., Andersen, J., Makinson, C. D., Islam, S., Wei, W., Huber, N., Fan, H. C., Metzler, K. R., Panagiotakos, G., Thom, N., O'Rourke, N. A., Steinmetz, L. M., Bernstein, et al
  2017; 545 (7652): 54-?

- **Characterizing regression in Phelan McDermid Syndrome (22q13 deletion syndrome).** *Journal of psychiatric research*
  Reierson, G., Bernstein, J., Froehlich-Santino, W., Urban, A., Purmann, C., Berquist, S., Jordan, J., O'Hara, R., Hallmayer, J.
  2017; 91: 139-144

- **Autism genetics: opportunities and challenges for clinical translation.** *Nature reviews. Genetics*
  Vorstman, J. A., Parr, J. R., Moreno-De-Luca, D., Anney, R. J., Nurnberger, J. I., Hallmayer, J. F.
  2017

- **Whole genome sequencing resource identifies 18 new candidate genes for autism spectrum disorder.** *Nature neuroscience*
  C Yuen, R. K., Merico, D., Bookman, M., L Howe, J., Thiruvahindrapuram, B., Patel, R. V., Whitney, J., Deflaux, N., Bingham, J., Wang, Z., Pellecchia, G., Buchanan, J. A., Walker, et al
  2017

- **Sleep Disturbances in Individuals With Phelan-McDermid Syndrome: Correlation With Caregivers' Sleep Quality and Daytime Functioning** *SLEEP*
  Bro, D., O'Hara, R., Primeau, M., Hanson-Kahn, A., Hallmayer, J., Bernstein, J. A.
  2017; 40 (2)

- **Individuals with Autism Spectrum Disorders Have Equal Success Rate But Require Longer Periods of Systematic Desensitization than Control Patients to Complete Ambulatory Polysomnography** *JOURNAL OF CLINICAL SLEEP MEDICINE*
  Primeau, M., Gershon, A., Talbot, L., Cotto, I., Lotspeich, L., Hardan, A., Hallmayer, J., O'Hara, R.
  2016; 12 (3): 357-362

- **A deleterious Nav1.1 mutation selectively impairs telencephalic inhibitory neurons derived from Dravet Syndrome patients.** *eLife*
  Sun, Y., Pasca, S. P., Portmann, T., Goold, C., Worringer, K. A., Guan, W., Chan, K. C., Gai, H., Vogt, D., Chen, Y. J., Mao, R., Chan, K., Rubenstein, et al
  2016; 5

- **Identification of Human Neuronal Protein Complexes Reveals Biochemical Activities and Convergent Mechanisms of Action in Autism Spectrum Disorders.** *Cell systems*
  Li, J., Ma, Z., Shi, M., Malty, R. H., Aoki, H., Minic, Z., Phanse, S., Jin, K., Wall, D. P., Zhang, Z., Urban, A. E., Hallmayer, J., Babu, et al
  2015; 1 (5): 361-374

- **Impact of 5-HTTLPR on hippocampal subregional activation in older adults** *TRANSLATIONAL PSYCHIATRY*
  Garrett, A., Gupta, S., Reiss, A. L., Waring, J., Sudheimer, K., Anker, L., Sosa, N., Hallmayer, J. F., O'Hara, R.
  2015; 5

- **Association of Anxiety Symptoms in Offspring of Bipolar Parents with Serotonin Transporter-Linked Polymorphic Region (5-HTTLPR) Genotype** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*
  Park, M., Sanders, E., Howe, M., Singh, M., Hallmayer, J., Kim, E., Chang, K.
  2015; 25 (6): 458-466

- **Telomere length and cortisol reactivity in children of depressed mothers.** *Molecular psychiatry*
  Gotlib, I. H., LeMoult, J., Colich, N. L., Foland-Ross, L. C., Hallmayer, J., Joormann, J., Lin, J., Wolkowitz, O. M.
  2015; 20 (5): 615-620

- **Psychiatric genome-wide association study analyses implicate neuronal, immune and histone pathways** *NATURE NEUROSCIENCE*

O'Dushlaine, C., Rossin, L., Lee, P. H., Duncan, L., Parikshak, N. N., Newhouse, S., Ripke, S., Neale, B. M., Purcell, S. M., Posthuma, D., Nurnberger, J. I., Lee, S. H., Faraone, et al
2015; 18 (2): 199-209

- **Preliminary study of anxiety symptoms, family dysfunction, and the brain-derived neurotrophic factor (BDNF) Val66Met genotype in offspring of parents with bipolar disorder.** *Journal of psychiatric research*
  Park, M., Chang, K. D., Hallmayer, J., Howe, M. E., Kim, E., Hong, S. C., Singh, M. K.
  2015; 61: 81-88

- **Individuals with Autism Spectrum Disorders Have Equal Success Rate But Require Longer Periods of Systematic Desensitization than Control Patients to Complete Ambulatory Polysomnography.** *Journal of clinical sleep medicine*
  Primeau, M., Gershon, A., Talbot, L., Cotto, I., Lotspeich, L., Hardan, A., Hallmayer, J., O'Hara, R.
  2015; 12 (3): 357-362

- **Connectivity Underlying Emotion Conflict Regulation in Older Adults with 5-HTTLPR Short Allele: A Preliminary Investigation.** *American journal of geriatric psychiatry*
  Waring, J. D., Etkin, A., Hallmayer, J. F., O'Hara, R.
  2014; 22 (9): 946-950

- **Plasma oxytocin concentrations and OXTR polymorphisms predict social impairments in children with and without autism spectrum disorder** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Parker, K. J., Garner, J. P., Libove, R. A., Hyde, S. A., Hornbeak, K. B., Carson, D. S., Liao, C., Phillips, J. M., Hallmayer, J. F., Hardan, A. Y.
  2014; 111 (33): 12258-12263

- **Prenatal and perinatal risk factors in a twin study of autism spectrum disorders.** *Journal of psychiatric research*
  Froehlich-Santino, W., Londono Tobon, A., Cleveland, S., Torres, A., Phillips, J., Cohen, B., Torigoe, T., Miller, J., Fedele, A., Collins, J., Smith, K., Lotspeich, L., Croen, et al
  2014; 54: 100-108

- **Convergence of Genes and Cellular Pathways Dysregulated in Autism Spectrum Disorders** *AMERICAN JOURNAL OF HUMAN GENETICS*
  Pinto, D., Delaby, E., Merico, D., Barbosa, M., Merikangas, A., Klei, L., Thiruvahindrapuram, B., Xu, X., Ziman, R., Wang, Z., Vorstman, J. A., Thompson, A., Regan, et al
  2014; 94 (5): 677-694

- **Serotonin transporter polymorphism is associated with increased apnea-hypopnea index in older adults.** *International journal of geriatric psychiatry*
  Schröder, C. M., Primeau, M. M., Hallmayer, J. F., Lazzeroni, L. C., Hubbard, J. T., O'Hara, R.
  2014; 29 (3): 227-235

- **Blood levels of brain derived neurotrophic factor in women with bipolar disorder and healthy control women.** *Journal of affective disorders*
  Kenna, H. A., Reynolds-May, M., Stepanenko, A., Ketter, T. A., Hallmayer, J., Rasgon, N. L.
  2014; 156: 214-218

- **Cortisol, cytokines, and hippocampal volume interactions in the elderly.** *Frontiers in aging neuroscience*
  Sudheimer, K. D., O'Hara, R., Spiegel, D., Powers, B., Kraemer, H. C., Neri, E., Weiner, M., Hardan, A., Hallmayer, J., Dhabhar, F. S.
  2014; 6: 153-?

- **Integrated systems analysis reveals a molecular network underlying autism spectrum disorders.** *Molecular systems biology*
  Li, J., Shi, M., Ma, Z., Zhao, S., Euskirchen, G., Ziskin, J., Urban, A., Hallmayer, J., Snyder, M.
  2014; 10 (12): 774-?

- **Cortisol, cytokines, and hippocampal volume interactions in the elderly.** *Frontiers in aging neuroscience*
  Sudheimer, K. D., O'Hara, R., Spiegel, D., Powers, B., Kraemer, H. C., Neri, E., Weiner, M., Hardan, A., Hallmayer, J., Dhabhar, F. S.
  2014; 6: 153-?

- **Integrated systems analysis reveals a molecular network underlying autism spectrum disorders.** *Molecular systems biology*
  Li, J., Shi, M., Ma, Z., Zhao, S., Euskirchen, G., Ziskin, J., Urban, A., Hallmayer, J., Snyder, M.
  2014; 10: 774-?

- **The Autism Simplex Collection: an international, expertly phenotyped autism sample for genetic and phenotypic analyses.** *Molecular autism*
  Buxbaum, J. D., Bolshakova, N., Brownfeld, J. M., Anney, R. J., Bender, P., Bernier, R., Cook, E. H., Coon, H., Cuccaro, M., Freitag, C. M., Hallmayer, J., Geschwind, D., Klauck, et al

2014; 5: 34-?

- **SHANK3 and IGF1 restore synaptic deficits in neurons from 22q13 deletion syndrome patients.** *Nature*
  Shcheglovitov, A., Shcheglovitova, O., Yazawa, M., Portmann, T., Shu, R., Sebastiano, V., Krawisz, A., Froehlich, W., Bernstein, J. A., Hallmayer, J. F., Dolmetsch, R. E.
  2013; 503 (7475): 267-271

- **SHANK3 and IGF1 restore synaptic deficits in neurons from 22q13 deletion syndrome patients** *NATURE*
  Shcheglovitov, A., Shcheglovitova, O., Yazawa, M., Portmann, T., Shu, R., Sebastiano, V., Krawisz, A., Froehlich, W., Bernstein, J. A., Hallmayer, J. F., Dolmetsch, R. E.
  2013; 503 (7475): 267-?

- **Genome wide analysis of narcolepsy in China implicates novel immune loci and reveals changes in association prior to versus after the 2009 H1N1 influenza pandemic.** *PLoS genetics*
  Han, F., Faraco, J., Dong, X. S., Ollila, H. M., Lin, L., Li, J., An, P., Wang, S., Jiang, K. W., Gao, Z. C., Zhao, L., Yan, H., Liu, et al
  2013; 9 (10)

- **Head circumferences in twins with and without autism spectrum disorders.** *Journal of autism and developmental disorders*
  Froehlich, W., Cleveland, S., Torres, A., Phillips, J., Cohen, B., Torigoe, T., Miller, J., Fedele, A., Collins, J., Smith, K., Lotspeich, L., Croen, L. A., Ozonoff, et al
  2013; 43 (9): 2026-2037

- **Genetic relationship between five psychiatric disorders estimated from genome-wide SNPs** *NATURE GENETICS*
  Lee, S. H., Ripke, S., Neale, B. M., Faraone, S. V., Purcell, S. M., Perlis, R. H., Mowry, B. J., Thapar, A., Goddard, M. E., Witte, J. S., Absher, D., Agartz, I., Akil, et al
  2013; 45 (9): 984-?

- **Genomic imprinting effects of the x chromosome on brain morphology.** *journal of neuroscience*
  Lepage, J., Hong, D. S., Mazaika, P. K., Raman, M., Sheau, K., Marzelli, M. J., Hallmayer, J., Reiss, A. L.
  2013; 33 (19): 8567-8574

- **Structural MRI Investigations in Twins with Autism** *68th Annual Scientific Meeting of the Society-of-Biological-Psychiatry*
  Hardan, A. Y., Hallmayer, J., Lazzeroni, L., Berquist, S., Raman, M. R., Patnaik, S., Phillips, J., Reiss, A. L., Cleveland, S.
  ELSEVIER SCIENCE INC.2013: 88S–88S

- **Brain-derived neurotrophic factor val66met genotype and early life stress effects upon bipolar course** *JOURNAL OF PSYCHIATRIC RESEARCH*
  Miller, S., Hallmayer, J., Wang, P. W., Hill, S. J., Johnson, S. L., Ketter, T. A.
  2013; 47 (2): 252-258

- **ImmunoChip Study Implicates Antigen Presentation to T Cells in Narcolepsy** *PLOS GENETICS*
  Faraco, J., Lin, L., Kornum, B. R., Kenny, E. E., Trynka, G., Einen, M., Rico, T. J., Lichtner, P., Dauvilliers, Y., Arnulf, I., Lecendreux, M., Javidi, S., Geisler, et al
  2013; 9 (2)

- **ImmunoChip study implicates antigen presentation to T cells in narcolepsy.** *PLoS genetics*
  Faraco, J., Lin, L., Kornum, B. R., Kenny, E. E., Trynka, G., Einen, M., Rico, T. J., Lichtner, P., Dauvilliers, Y., Arnulf, I., Lecendreux, M., Javidi, S., Geisler, et al
  2013; 9 (2)

- **Individual common variants exert weak effects on the risk for autism spectrum disorderspi** *HUMAN MOLECULAR GENETICS*
  Anney, R., Klei, L., Pinto, D., Almeida, J., Bacchelli, E., Baird, G., Bolshakova, N., Boelte, S., Bolton, P. F., Bourgeron, T., Brennan, S., Brian, J., Casey, et al
  2012; 21 (21): 4781-4792

- **Mutations in DNMT1 cause autosomal dominant cerebellar ataxia, deafness and narcolepsy** *HUMAN MOLECULAR GENETICS*
  Winkelmann, J., Lin, L., Schormair, B., Kornum, B. R., Faraco, J., Plazzi, G., Melberg, A., Cornelio, F., Urban, A. E., Pizza, F., Poli, F., Grubert, F., Wieland, et al
  2012; 21 (10): 2205-2210

- **5-HTTLPR Short Allele, Resilience, and Successful Aging in Older Adults** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*
  O'Hara, R., Marcus, P., Thompson, W. K., Flournoy, J., Vahia, I., Lin, X., Hallmayer, J., Depp, C., Jeste, D. V.
  2012; 20 (5): 452-456

- **Neuroanatomical Similarities and Differences in Twin Pairs with Autism** *67th Annual Meeting of the Society-of-Biological-Psychiatry*
  Harden, A. Y., Hallmayer, J., Frazier, T., Lazzeroni, L., Reiss, A.
  ELSEVIER SCIENCE INC.2012: 188S–188S

- **A novel approach of homozygous haplotype sharing identifies candidate genes in autism spectrum disorder** *HUMAN GENETICS*
  Casey, J. P., Magalhaes, T., Conroy, J. M., Regan, R., Shah, N., Anney, R., Shields, D. C., Abrahams, B. S., Almeida, J., Bacchelli, E., Bailey, A. J., Baird, G., Battaglia, et al
  2012; 131 (4): 565-579

- **Genomic Imprinting Effects on Cognitive and Social Abilities in Prepubertal Girls with Turner Syndrome** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
  Lepage, J., Hong, D. S., Hallmayer, J., Reiss, A. L.
  2012; 97 (3): E460-E464

- **Catechol-O-Methyltransferase Val158Met Polymorphism Moderates Anterior Cingulate Volume in Posttraumatic Stress Disorder** *BIOLOGICAL PSYCHIATRY*
  Schulz-Heik, R. J., Schaer, M., Eliez, S., Hallmayer, J. F., Lin, X., Kaloupek, D. G., Woodward, S. H.
  2011; 70 (11): 1091-1096

- **Using iPSC-derived neurons to uncover cellular phenotypes associated with Timothy syndrome** *NATURE MEDICINE*
  Pasca, S. P., Portmann, T., Voineagu, I., Yazawa, M., Shcheglovitov, A., Pasca, A. M., Cord, B., Palmer, T. D., Chikahisa, S., Nishino, S., Bernstein, J. A., Hallmayer, J., Geschwind, et al
  2011; 17 (12): 1657-U176

- **Genetic Heritability and Shared Environmental Factors Among Twin Pairs With Autism** *ARCHIVES OF GENERAL PSYCHIATRY*
  Hallmayer, J., Cleveland, S., Torres, A., Phillips, J., Cohen, B., Torigoe, T., Miller, J., Fedele, A., Collins, J., Smith, K., Lotspeich, L., Croen, L. A., Ozonoff, et al
  2011; 68 (11): 1095-1102

- **Insulin resistance and hippocampal volume in women at risk for Alzheimer's disease** *NEUROBIOLOGY OF AGING*
  Rasgon, N. L., Kenna, H. A., Wroolie, T. E., Kelley, R., Silverman, D., Brooks, J., Williams, K. E., Powers, B. N., Hallmayer, J., Reiss, A.
  2011; 32 (11): 1942-1948

- **Gene-ontology enrichment analysis in two independent family-based samples highlights biologically plausible processes for autism spectrum disorders.** *European journal of human genetics*
  Anney, R. J., Kenny, E. M., O'Dushlaine, C., Yaspan, B. L., Parkhomenka, E., Buxbaum, J. D., Sutcliffe, J., Gill, M., Gallagher, L., Buxbaum, J. D., Sutcliffe, J., Gill, M., Gallagher, et al
  2011; 19 (10): 1082-1089

- **Design Considerations for Characterizing Psychiatric Trajectories Across the Lifespan: Application to Effects of APOE-epsilon 4 on Cerebral Cortical Thickness in Alzheimer's Disease** *AMERICAN JOURNAL OF PSYCHIATRY*
  Thompson, W. K., Hallmayer, J., O'Hara, R.
  2011; 168 (9): 894-903

- **Circadian Clock Gene Polymorphisms and Sleep-Wake Disturbance in Alzheimer Disease** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*
  Yesavage, J. A., Noda, A., Hernandez, B., Friedman, L., Cheng, J. J., Tinklenberg, J. R., Hallmayer, J., O'Hara, R., David, R., Robert, P., Landsverk, E., Zeitzer, J. M.
  2011; 19 (7): 635-643

- **Novel method for combined linkage and genome-wide association analysis finds evidence of distinct genetic architecture for two subtypes of autism** *JOURNAL OF NEURODEVELOPMENTAL DISORDERS*
  Vieland, V. J., Hallmayer, J., Huang, Y., Pagnamenta, A. T., Pinto, D., Khan, H., Monaco, A. P., Paterson, A. D., Scherer, S. W., Sutcliffe, J. S., Szatmari, P.
  2011; 3 (2): 113-123

- **Do interactions between family stress and 5HTTLPR predict general psychopathology in youth at risk for pediatric bipolar disorder?** *9th International Conference on Bipolar Disorder (ICBD)*
  Cosgrove, V. E., Howe, M. E., Acquaye, T., Li, S., Hallmayer, J., Chang, K. D.
  WILEY-BLACKWELL.2011: 36–36

- **Using induced pluripotent stem cells to investigate cardiac phenotypes in Timothy syndrome** *NATURE*
  Yazawa, M., Hsueh, B., Jia, X., Pasca, A. M., Bernstein, J. A., Hallmayer, J., Dolmetsch, R. E.
  2011; 471 (7337): 230-U120

- **Rare familial 16q21 microdeletions under a linkage peak implicate cadherin 8 (CDH8) in susceptibility to autism and learning disability** *JOURNAL OF MEDICAL GENETICS*

Pagnamenta, A. T., Khan, H., Walker, S., Gerrelli, D., Wing, K., Bonaglia, M. C., Giorda, R., Berney, T., Mani, E., Molteni, M., Pinto, D., Le Couteur, A., Hallmayer, et al

2011; 48 (1): 48-54

- **Common variants in P2RY11 are associated with narcolepsy** *NATURE GENETICS*

  Kornum, B. R., Kawashima, M., Faraco, J., Lin, L., Rico, T. J., Hesselson, S., Axtell, R. C., Kuipers, H., Weiner, K., Hamacher, A., Kassack, M. U., Han, F., Knudsen, et al

  2011; 43 (1): 66-U90

- **Oxytocin receptor gene polymorphism (rs2254298) interacts with familial risk for psychopathology to predict symptoms of depression and anxiety in adolescent girls** *PSYCHONEUROENDOCRINOLOGY*

  Thompson, R. J., Parker, K. J., Hallmayer, J. F., Waugh, C. E., Gotlib, I. H.

  2011; 36 (1): 144-147

- **COMT genotype affects prefrontal white matter pathways in children and adolescents** *NEUROIMAGE*

  Thomason, M. E., Dougherty, R. F., Colich, N. L., Perry, L. M., Rykhlevskaia, E. I., Louro, H. M., Hallmayer, J. F., Waugh, C. E., Bammer, R., Glover, G. H., Gotlib, I. H.

  2010; 53 (3): 926-934

- **A genome-wide scan for common alleles affecting risk for autism** *HUMAN MOLECULAR GENETICS*

  Anney, R., Klei, L., Pinto, D., Regan, R., Conroy, J., Magalhaes, T. R., Correia, C., Abrahams, B. S., Sykes, N., Pagnamenta, A. T., Almeida, J., Bacchelli, E., Bailey, et al

  2010; 19 (20): 4072-4082

- **Functional impact of global rare copy number variation in autism spectrum disorders** *NATURE*

  Pinto, D., Pagnamenta, A. T., Klei, L., Anney, R., Merico, D., Regan, R., Conroy, J., Magalhaes, T. R., Correia, C., Abrahams, B. S., Almeida, J., Bacchelli, E., Bader, et al

  2010; 466 (7304): 368-372

- **Impact of Neuritin 1 (NRN1) Polymorphisms on Fluid Intelligence in Schizophrenia** *AMERICAN JOURNAL OF MEDICAL GENETICS PART B-NEUROPSYCHIATRIC GENETICS*

  Chandler, D., Dragovic, M., Cooper, M., Badcock, J. C., Mullin, B. H., Faulkner, D., Wilson, S. G., Hallmayer, J., Howell, S., Rock, D., Palmer, L. J., Kalaydjieva, L., Jablensky, et al

  2010; 153B (2): 428-437

- **Healthy young women with serotonin transporter SS polymorphism show a pro-inflammatory bias under resting and stress conditions** *BRAIN BEHAVIOR AND IMMUNITY*

  Fredericks, C. A., Drabant, E. M., Edge, M. D., Tillie, J. M., Hallmayer, J., Ramel, W., Kuo, J. R., Mackey, S., Gross, J. J., Dhabhar, F. S.

  2010; 24 (3): 350-357

- **Intronic Single Nucleotide Polymorphisms of Engrailed Homeobox 2 Modulate the Disease Vulnerability of Autism in a Han Chinese Population** *NEUROPSYCHOBIOLOGY*

  Yang, P., Shu, B., Hallmayer, J. F., Lung, F.

  2010; 62 (2): 104-115

- **Twins with KBG Syndrome and Autism** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*

  Hah, M., Lotspeich, L. J., Phillips, J. M., Torres, A. D., Cleveland, S. C., Hallmayer, J. F.

  2009; 39 (12): 1744-1746

- **A genome-wide linkage and association scan reveals novel loci for autism** *NATURE*

  Weiss, L. A., Arking, D. E.

  2009; 461 (7265): 802-U62

- **Narcolepsy is strongly associated with the T-cell receptor alpha locus** *NATURE GENETICS*

  Hallmayer, J., Faraco, J., Lin, L., Hesselson, S., Winkelmann, J., Kawashima, M., Mayer, G., Plazzi, G., Nevsimalova, S., Bourgin, P., Hong, S. S., Honda, Y., Honda, et al

  2009; 41 (6): 708-711

- **Bipolar Disorder in the Bulgarian Gypsies: Genetic Heterogeneity in a Young Founder Population** *AMERICAN JOURNAL OF MEDICAL GENETICS PART B-NEUROPSYCHIATRIC GENETICS*

  Kaneva, R., Milanova, V., Angelicheva, D., Macgregor, S., Kostov, C., Vladimirova, R., Aleksiev, S., Angelova, M., Stoyanova, V., Loh, A., Hallmayer, J., Kalaydjieva, L., Jablensky, et al

2009; 150B (2): 191-201

- **The seasonal relationship between assault and homicide in England and Wales** *INJURY-INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED*
  Rock, D. J., Judd, K., Hallmayer, J. F.
  2008; 39 (9): 1047-1053

- **Association of alleles carried at TNFA-850 and BAT1-22 with Alzheimer's disease** *JOURNAL OF NEUROINFLAMMATION*
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