CURRICULUM VITAE

JOACHIM FRANZ HALLMAYER

DATE OF BIRTH:	12 February, 1959
PLACE OF BIRTH:	Heilbronn, GERMANY
CITIZENSHIP:	GERMAN
CURRENT POSITION:	Associate Professor of Psychiatry
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EDUCATION AND PROFESSIONAL QUALIFICATIONS:

1980 - 1982	University of Düsseldorf (Premedical)
1982 - 1986	University of Cologne (Clinical)
June 1986	3rd State Examination and Doctor's Licence (MD equivalent)
DOCTORAL DEGREE (1989)	Dr. med. (University of Cologne) "The effect of pentobarbital on the selective vulnerability in the CA1 sector of the hippocampus after shortlasting ischemia in the Mongolian gerbil (Meriones Unguiculatus)" (magna cum laude) Supervisor: Professor K.-A. Hossmann, Max-Planck-Institute for Neurological Research

PROFESSIONAL APPOINTMENTS:

1983 - 1986	Postgraduate Fellow: Max-Planck-Institute for Neurological Research in Cologne (Director: Professor Dr. K.-A. Hossmann)
1986 - 1987	Research Officer: Max-Planck-Institute in Cologne
1987 - 1989	Scientific Employee: Psychiatric Hospital of the Johannes Gutenberg University of Mainz (Director: Professor Dr. O. Benkert)
1989 - 1991	Research Fellow (German Research Association - DFG) at the Department of Genetics, Stanford University (Laboratory of

	Professor Dr. L. L. Cavalli-Sforza)
1991 - 1994	Research Fellow: Department of Genetics, Stanford University (Laboratory of Professor Dr. L. L. Cavalli-Sforza)
1994 - 1995	Research Associate: Nancy Pritzker Laboratories, Department of Psychiatry and Behavioural Sciences, Stanford University (Director: Professor Dr. R. Ciaranello)
1995 - 2001	Associate Professor of Psychiatry, University of Western Australia; Co-Director: Centre for Clinical Research in Neuropsychiatry
2001- present	Associate Professor, Department of Psychiatry and Behavioural Sciences, Stanford University
CLINICAL ACADEMIC TITLE:	Clinical Professor, Department of Psychiatry and Behavioral Sciences, University of Western Australia (since 2001)
PRIZES AND HONOURS:	Fellow of the German Research Association (DFG), 1989
	NARSAD (National Alliance for Research in Schizophrenia and Depression) Young Investigator Award, 1991
MEMBERSHIPS:	American Society of Human Genetics
	International Society of Genetic Epidemiology
	International Society of Psychiatric Genetics
	Australasian Society of Psychiatry Research
COMMITTEES:	Board of the Australasian Society of Human Genetics WA Branch – 1997-2001
	Executive Member of the Australasian Society of Biological Psychiatry – 1997 - 2001
	Board Member: Autism Association of Western Australia – 1997 - 2001
	Chair: Research Committee, WA Schizophrenia Research Group – 1996 - 2001
	Centre for Human Genetics Advisory Committee, Edith Cowan University 1998 - 2001
	Scientific Advisory Committee McCusker Foundation for Alzheimer Research – 1998 - 2001

Committee for Postgraduate Education; Department of Psychiatry and Behavioural Sciences – 1998 –2001, UWA, Australia

Chair: Executive Committee for Autism Genetics Project – 2004-present

California Center for Autism and Developmental Disabilities Research and Epidemiology Science Council - 2003 – present

Autism Genetics Resource Exchange (AGRE): Steering Committee Member – 2008 – present

Chair Executive Committee of the Bay Area Autism Consortium

Member Behavioral Genetics and Epidemiology Study Sections

EDITORIAL BOARD:

Psychiatric Genetics (since 1994)
Section Editor Current Psychiatry Reports – Nonschizophrenic Psychotic Disorders - 2001, 2002, 2003, 2004, 2005, 2006; 2007; 2008, 2009, 2010, 2011

PUBLICATIONS

Peer reviewed

1. **Hallmayer J**, Hossmann KA, Mies G (1985) Low dose of barbiturates for prevention of hippocampal lesions after brief ischemic episodes. Acta Neuropathologica (Berlin) 68:27-31.

2. Paschen W, **Hallmayer J**, Mies G (1987) Regional profile of polyamines in reversible cerebral ischemia of Mongolian gerbils. Neurochememical Pathology 7:143-56.

3. Paschen W, **Hallmayer J**, Rohn G (1988) Relationship between putrescine content and density of ischemic cell damage in the brain of Mongolian gerbils: effect of nimodipine and barbiturate. Acta Neuropathologica (Berlin) 76:388-394.

4. Paschen W, Schmidt-Kastner R, **Hallmayer J**, Djuricic B (1988) Polyamines in cerebral ischemia. Neurochemical Pathology 9:1-20.

5. Paschen W, **Hallmayer J**, Rohn G (1988) Regional changes of polyamine profiles after reversible cerebral-ischemia in Mongolian gerbils - effects of nimodipine and barbiturate. Neurochemical Pathology 8:27-41.

6. Paschen W, Rohn G, **Hallmayer J**, Mies G (1988) Polyamine metabolism in reversible cerebral ischemia of Mongolian gerbils. Metabolic Brain Disease 3:297-302.

7. Paschen W, **Hallmayer J**, Meese CO (1989) Effects of alpha-difluoromethylornithine on postischemic changes in regional polyamine profiles. Iugoslavica Physiologica et Pharmacologica Acta 25: 475-483.

8. Xie YX, Herget T, **Hallmayer J**, Starzinski-Powitz A, Hossmann KA (1989) Determination of RNA content in postichemic gerbil brain by in situ hybridization. Metabolic Brain Disease 4:239-251.

9. Paschen W, **Hallmayer J**, Mies G, Roehn G, (1990) Ornithine decarboxylase activity and putrescine levels in reversible cerebral ischemia of Mongolian gerbils: Effect of barbiturates. Journal of Cerebral Blood Flow and Metabolism 10:236-242.

10. Maier W, **Hallmayer J**, Lichtermann D, Phillip M, Klingler T (1991) The impact of the endogenous subtype on the familial aggregation of unipolar depression. European Archives of Psychiatry and Clinical Neuroscience 240:355-363.

11. Maier W, Lichtermann D, Minges J, Heun R, **Hallmayer J**, Klingler T (1991) Unipolar depression in the aged: Determinants of familial aggregation. Journal of Affective Disorders 23:53-61.

12. **Hallmayer J**, Maier W, Ackenheil M, Ertl MA, Schmidt S, Minges J, Lichermann D, Wildenauer D (1992) Evidence against linkage of schizophrenia to chromosome 5q11-q13 markers in systematically ascertained families. Biological Psychiatry 31:83-94.

13. **Hallmayer J**, Kennedy JL, Wetterberg L, Sjøgren B, Kidd KK, Cavalli-Sforza LL (1992) Exclusion of linkage between the serotonin 5HT2 receptor and schizophrenia in a large Swedish kindred. Archives of General Psychiatry 49:216-219.

14. Maier W, Lichtermann D, Minges J, Heun R, **Hallmayer J** (1992) The risk of minor depression in families of probands with major depression: sex differences and familiality. European Archives of Psychiatry and Clinical Neuroscience 242:89-92.

15. Maier W, Lichtermann D, Minges J, Heun R, **Hallmayer J**, Benkert O (1992) Schizoaffective disorder and affective disorder with mood incongruent psychotic features: keep separate or combine? Evidence from a family study. American Journal of Psychiatry 149:1666-1673.

16. Weissman MM, Wickramaratne P, Greenwald S, Hsu HY, Ouellette R, Robins LN, Escobar JI, Bland R, Newman S, Orn H, Canino G, Rubiostipec M, Wittchen HU, Essau CA, Faravelli C, Incerpi G, Deglinnocenti BG, Aiazzi L, Pallanti S, Lepine JP, Pariente P, Lellouch J, Karam E, Wells JE, Joyce PR, Oakleybrowne M, Bushnell JA, Hwu HG, Yeh EK, Chang LY, Klerman GL, Leon AC, Lavori P, Warshaw M, Maier W, Marx A, Lichtermann D, Minges J, Heun R, **Hallmayer J** (1992) The changing rate of major depression: cross-national comparisons. JAMA 268: 3098-3105.

17. Maier W, Lichtermann D, Minges J, Heun R, **Hallmayer J** (1993) The impact of gender and age at onset on the familial aggregation of schizophrenia. European Archives of Psychiatry and Clinical Neurosciences 242:279-285.

18. Maier W, Lichtermann D, Minges J, Franke P, Heun R, **Hallmayer J** (1993) Concordance for gender in sib pairs affected with schizophrenia and related disorders. Schizophrenia Research 9:71-76.

19. Noethen MM, Wildenauer D, Cichon S, Schwab S, Kramer R, **Hallmayer J**, Maier W, Lichtermann D, Minges J, Lanczik M, Rietschel M, Koerner J, Ertl MA, Ackenheil M, Propping P (1993) No association or linkage between polymorphisms at the porphobilinogen deaminase locus and schizophrenia. Psychiatric Genetics 101-107.

20. Maier W, Lichtermann D, Minges J, **Hallmayer J**, Heun R, Marx A, Benkert O, Levinson DF (1993) Continuity and discontinuity of affective disorders and schizophrenia. Results of a controlled family study. Archives of General Psychiatry 50:871-883.

21. Spiker D, Lotspeich L, Kraemer HC, **Hallmayer J**, McMahon W, Petersen PB, Nicholas P, Pingree C, Wiese-Slater S, Chiotti C, Wong DL, Dimicelli S, Ritvo E, Cavalli-Sforza LL, Ciaranello RD (1994) The genetics of infantile autism: Characteristics of affected and unaffected children from 37 multiplex families. American Journal of Medical Genetics (Neuropsychiatric Genetics) 54:27-35.

22. Barr CL, Kennedy JL, Pakstis AJ, Wetterberg L, Sjoegren B, Bierut L, Wadelius C, Wahlstroem J, Martinsson T, Gjuffra L, Gelernter J, **Hallmayer J**, Moises HW, Kurth J, Cavalli-Sforza LL, Kidd KK (1994) Progress in a genome scan for linkage in a large Swedish kindred. American Journal of Medical Genetics (Neuropsychiatric Genetics) 54:51-58.

23. **Hallmayer J**, Maier W, Schwab SG, Ertl M, Minges J, Ackenheil M, Lichtermann D, Wildenauer DB (1994) No evidence of linkage between the dopamine2 receptor gene and schizophrenia. Psychiatry Research 53:203-217.

24. Mignot E, Lin X, Arrigoni J, Macaubas C, Olive F, **Hallmayer J**, Underhill P, Guilleminault C, Dement WC, Grumet FC (1994) DQB1*0602 and DQA1*0102 (DQ1) are better markers than DR2 for narcolepsy in Caucasian and black Americans. Sleep 17:S60-S67.

25. **Hallmayer J**, Pintado E, Lotspeich L, Spiker D, McMahon P, Nicholas P, Pingree C, Kraemer HC, Wong DL, Ritvo E, Lin A, Hebert J, Ciaranello RD, Cavalli-Sforza LL (1994) Molecular analysis and test of linkage between the FMR-1 gene and infantile autism in multiplex families. American Journal of Human Genetics 55:951-959.

26. Maier W, Schwab SG, **Hallmayer J**, Ertl M, Minges J, Ackenheil M, Lichtermann D, Wildenauer DB (1995) Absence of linkage between schizophrenia and the dopamine D4-receptor gene. Psychiatry Research 53:77-86.

27. Macaubas C, **Hallmayer J**, Kalil J, Kimura A, Yasanuga S, Grumet FC, Mignot E (1995) Extensive polymorphism of a (CA)n microsatellite located in the HLA-DQA1/DQB1 class II region Human Immunology 42:209-220.

28. Schwab SG, Lerer B, Albus M, Maier W, **Hallmayer J**, Fimmers R, Lichtermann D, Minges J, Bondy B, Ackenheil M, Altmark D, Hasib D, Gur E, Ebstein RP, Wildenauer DB (1995) Potential linkage for schizophrenia on chromosome 22q12-q13: a replication study. American Journal of Medical Genetics (Neuropsychiatric Genetics) 60:436-43.

29. Maier W, Schmidt F, Schwab SG, **Hallmayer J**, Minges J, Ackenheil M, Lichtermann D, Wildenauer DB (1995) Lack of linkage between schizophrenia and markers at the telomeric end of the pseudoautosomal region of the sex chromosomes. Biological Psychiatry 37:344-347.

30. Schwab SG, Albus M, **Hallmayer J**, Hönig S, Borrmann M, Lichtermann D, Ebstein RP, Avnon M, Ley-Reuss E, Ackenheil M, Minges J, Lerer B, Risch N, Maier W, Wildenauer DB (1995) Evaluation of a susceptibility gene for schizophrenia on chromosome 6p by affected sib-pair linkage analysis. Nature Genetics, 11:325-327.

31. Bogdanova N, Dworniczak B, Dragova D, Todorov V, Dimitrakov D, Kalinov K, **Hallmayer J**, Horst J, Kalaydjieva L (1995) Genetic heterogeneity of polycystic kidney disease in Bulgaria. Human Genetics 95:645-650.

32. Maier W, **Hallmayer J**, Zill P, Bondy B, Lichtermann D, Ackenheil M, Minges J, Wildenauer D (1995) Linkage analysis between pericentrometric markers on chromosome 18 and bipolar disorder: a replication test. Psychiatry Research 59:7-15.

33. **Hallmayer J**, Hebert J M, Spiker D, Lotspeich L, McMahon WM, Brent Petersen P, Nicholas P, Pingree C, Lin A A, Cavalli-Sforza L L, Risch N, Ciaranello RD (1996) Autism and the X Chromosome: Multipoint Sib Pair Analysis. Archives of General Psychiatry 53:985-989.

34. **Hallmayer J**, Spiker D, Lotspeich L, McMahon WM, Petersen PB, Nicholas P, Pingree C, Ciaranello R. (1996) Male-to-male transmission in extended pedigrees with multiple cases of autism. American Journal of Medical Genetics (Neuropsychiatric Genetics) 67:13-18.

35. Kalaydjieva L, **Hallmayer J**, Chandler D, Savov A, Nikolova A, Angelicheva D, King R H H, Ishpekova B, Honeyman K, Calafell F, Shmarov A, Petrova J, Turnev I, Hristova A, Moskov M, Stancheva S, Petkova I, Bittles A, Georgieva V, Middleton L, Thomas P K. (1996) Gene Mapping in Gypsies: Novel Demyelinating Neuropathy on 8q24. Nature Genetics 14(2):214-218.

36. Jin L, Macaubas C, **Hallmayer J**, Kimura A, Mignot E (1996) Mutation rate varies among alleles at a microsatellite locus: Phylogenetic evidence. Proceedings of the National Academy of Science, U.S.A., 93, 15285-15288.

37. Maier W, Minges J, Eckstein N, Brodski C, Albus M, Lerer B, **Hallmayer J**, Fimmers R, Ackenheil M, Ebstein R E, Borrmann M, Lichtermann D, Wildenauer DB (1996) Genetic relationship between dopamine transporter gene and schizophrenia: linkage and association. Schizophrenia Research 20: 175-180.

38. Schizophrenia Collaborative Linkage Group for Chromosomes 3, 6 and 8 (1996) Support for schizophrenia linkage findings on chromosomes 6 and 8: a multicentre study American Journal of Medical Genetics (Neuropsychiatric Genetics) 67:580-594.

39. Schizophrenia Collaborative Linkage Group (Chromosome 22) (1996) A Combined Analysis of D22S278 Marker Alleles in Affected Sib-Pairs: Support for a Susceptibility Locus for Schizophrenia at 22q12. American Journal of Medical Genetics (Neuropsychiatric Genetics) 67:40-45.

40. Macaubas C, Jin L, **Hallmayer J**, Kimura A, Mignot E (1997) The complex mutation pattern of a microsatellite. Genome Research 7:635-641.

41. Schwab SG, Eckstein GN, **Hallmayer J**, Lerer B, Albus M, Borrmann M, Lichtermann D, Ertl MA, Maier W, Wildenauer DB (1997) Evidence suggestive of a locus on chromosome 5q31 contributing to susceptibility for schizophrenia in German and Israeli families by multipoint affected sib-pair linkage analysis. Molecular Psychiatry 2: 156-160.

42. Leder RO, Mansbridge JN, **Hallmayer J**, Hodge SE (1998) Familial Psoriasis and HLA-B: Unambiguous Support for Linkage in 97 Published Families. Human Heredity. 48: 198-211.

43. Taddei K, Yang D, Fisher C, Clarnette R, **Hallmayer J**, Barnetson R, Maller R, Brooks WS, Whyte S, Nicholson GA, Masters CL, Broe GA, Gandy SE, Martins RN (1998) No association of Presenilin-1 intronic polymorphism and Alzheimer's disease in Australia. Neuroscience Letters 246:178-180.

44. Schwab SG, **Hallmayer J**, Hanses C, Albus M, Lerer B, Kanyas K, Segman R, Borrman M, Dreikorn B, Lichtermann D, Rietschel M, Held T, Trixler M, Maier W, Wildenauer DB (1998) Further evidence for a susceptibility locus on chromosome 10p14-p11 in 72 families with schizophrenia by non parametric linkage analysis. American Journal of Medical Genetics (Neuropsychiatric Genetics) 81:302-307.

45. Schwab SG, **Hallmayer J**, Lerer B, Albus M, Borrmann M, Hönig S, Strauß S, Segman R, Lichtermann D, Knapp M, Trixler M, Maier W, Wildenauer DB (1998) Support for a Chromosome 18p Locus Conferring Susceptibility to Functional Psychoses in Families with Schizophrenia, by Association and Linkage Analysis. American Journal of Human Genetics 63: 1139-1152.

46. Kaneva R, Milanova V, Onchev G, Stoyanova V, Chakarova Ch, Nikolova A, **Hallmayer J**, Belemezova M, Milenska T, Kirov G, Kremensky I, Kalaydjieva L, Jablensky A (1998) A linkage study of affective disorders in two Bulgarian Gypsy families: results for candidate regions on chromosomes 18 and 21. Psychiatric Genetics 8:245-249.

47. Franke P, Schwab SG, Knapp M, Gansicke M, Delmo C, Zill P, Trixler M, Lichtermann D, **Hallmayer J**, Wildenauer DB, Maier W (1999) DAT1 gene polymorphism in alcoholism: a family based association study. Biological Psychiatry 45: 652-654.

48. Laws SM, Taddei K, Martins G, Paton A, Fisher C, Clarnette R, **Hallmayer J**, Brooks WS, Gandy SE, Martins RN (1999) The -491AA polymorphism in the APOE gene is associated with increased plasma apoE levels in Alzheimer's disease. Neuroreport 10:879-882.

49. Felice KJ, Meredith C, Binz N, Butler A, Jacob R, Akkari P, **Hallmayer J**, Laing N (1999) Autosomal myopathy not linked ot the known distal myopathy loci. Neuromuscular Disorders 9:59-65.

50. Yang DS, Small DH, Seydel U, Smith JD, **Hallmayer J**, Gandy SE, Martins RN (1999) Apolipoprotein E promotes the binding and uptake of beta-amyloid into Chinese hamster ovary cells in an isoform-specific manner. Neuroscience 90:1217-1226

51. Wittekindt O, Schwab SG, Burgert E, Knapp M, Albus M, Lerer B, **Hallmayer J**, Rietschel M, Segman R, Borrmann M, Lichtermann D, Crocq M-A, Maier W, Morris-Rosendahl DJ, Wildenauer DB (1999) Association between hSKCa3 and schizophrenia not confirmed by transmission disequilibrium test in 193 offspring/parents trios. Molecular Psychiatry 4:267-270.

52. Mastaglia FL, Nowak K, Stell R, Phillips BA, Edmonston JE, Dorosz SM, Wilton SD, **Hallmayer J**, Kakulas BA, Laing NG (1999) Novel mutation in the myelin protein zero gene (MPZ) in a family with 'intermediate' hereditary motor and sensory neuropathy. Journal Neurology Neurosurgery and Psychiatry 67:174-179.

53. Risch N, Spiker D, Lotspeich L, Nouri N, Hinds D, **Hallmayer J**, Kaladjieva L, McCague P, Dimicelli S, Pitts T, Nguyen L, Yang J, Harper C, Thorpe D, Vermeer S, Yong H, Hebert J, Lin A, Ferguson J, Chiotti C, Wiese-Slater S, Rogers T, Salmon B, Nicholas P, Petersen PB, Pingree C, McMahon W, Wong DL, Cavalli-Sforza LL, Kraemer HC, Myers RM (1999) A genomic screeen of autism: evidence for polygenic inheritance. American Journal of Human Genetics 65:453-508.

54. Rogers T, Kalaydjieva L, **Hallmayer J**, Petersen PB, Nicholas P, Pingree C, McMahon W, Spiker D, Lotspeich L, Kraemer H, McCague P, Dimiceli S, Myers R, Nouri N, Peachy T, Yang J, Hinds D, Risch N (1999) Exclusion of linkage to the HLA region in multiplex families with autism. Journal of Autism and Developmental Disorders 29:195-201.

55. Patterson R, Douglas C, **Hallmayer J**, Hagan M, Krupenia Z (1999) A randomized double blind placebo-controlled trial of dexamphetamine in adults with attention deficit hyperactivity disorder. Australian and New Zealand Journal of Psychiatry 33:494-502.

56. **Hallmayer J** Report of the Chromosome 1, 2 and 7 workshop. (1999) American Journal of Medical Genetics (Neuropsychiatric Genetics) 88:219-223.

57. Salmon B, Rogers T, Kalaydjieva L, **Hallmayer J**, Petersen PB, Nicholas P, Pingree C, McMahon W, Spiker D, Lotspeich L, Kraemer H, McCague P, Dimiceli S, Myers R, Nouri N, Pitts T, Hinds D, Risch N (1999) Absence of linkage chromosome 15q11-q13 markers in ninety multiplex families with autism. American Journal of Medical Genetics (Neuropsychiatric Genetics) 88:551-556.

58. Kalaydjieva L, Perez-Lezaun A, Angelicheva D, Onengut S, Dye D, Bosshard NU, Jordanova A, Savov A, Yanakiev P, Kremensky I, Radeva B, **Hallmayer J**, Markov A, Nedkova V (1999) A founder mutation in the GK1 gene is responsible for galactokinase deficiency in Roma (gypsies). American Journal of Human Genetics 65:1299-1307.

59. Schwab S, Wildenauer DB, **Hallmayer J** (1999) No evidence for segregation distortion in females in a sample of 72 families with schizophrenia with potential linkage to chromosome 10p14-11. American Journal of Medical Genetics (Neuropsychiatric Genetics) 88:750-751.

60. Boyt A, Taddei K, **Hallmayer J**, Mamo J, Helmerhorst E, Gandy SE, Craft S, Martins R (1999) Relationship between lipid metabolism and plasma concentration of amyloid precursor protein and apolipoprotein E. Alzheimer's Reports 2:339-346.

61. Laws SM, Taddei K, Fisher C, Small D, Clarnette R, **Hallmayer J**, Brooks WS, Kwok JBJ, Schofield PR, Gandy SE, Martins RN (1999) Evidence that the butyrylcholinesterase K variant can protect against late-onset Alzheimer's disease Alzheimer's Report 4, 219-223.

62. Boyt A, Taddei K, **Hallmayer J**, Helmerhorst E, Gandy SE, Craft S, Martins R (2000) The effect of insulin and glucose on the plasma concentration of Alzheimer's amyloid precursor protein. Neuroscience 95, 727-734.

63. Lee J, Schwartz DL, **Hallmayer J** (2000) Incidence and response to treatment of catatonia in a psychiatric intensive care facility. Annals of Clinical Psychiatry 12:89-96.

64. Schwab SG, **Hallmayer J**, Albus M, Lerer B., Eckstein GN, Hanses CA, Freymann J, Borrmann M, Kanyas K, Segman R, Trixler M, Falkai P, Rietschel M, Maier W, Wildenauer DB (2000) Genome-

wide Screen for Schizophrenia Susceptibility Loci in 71 Families with Affected Siblings: Support for Loci on Chromosome 10p and 6. Molecular Psychiatry 5:638-649.

65. Sklar P, Schwab SG, Williams N, Daly M, Schaffner S, Maier W, Albus M, Trixler M, Eichhammer P , Lerer B, **Hallmayer J**, Nadine Norton N, Williams H, Zammit S, Jones L, Sanders R, McCarthy, G, Milanova V, Kirov G, O'Donovan M, Lander ES, Owen MJ, Wildenauer DB (2001). Association analysis of NOTCH4 loci using family and population based controls. Nature Genetics 28:126-128.

66. Schiavello T, Burke V, Bogdanova N, Jasik P, Melsom S, Boudville N, Robertson K, Angelicheva D, Dworniczak B, Lemmens M, Horst J. Todorov V, Dimitrakov D, Sulowicz W, Krasniak A, Stompor T, Beilin L, **Hallmayer J**, Kalaydjieva L, Thomas M (2001) Angiotensin-converting enzyme and the ACE ALU polymorphism in autosomal dominant kidney disease. Nephrology, Dialysis, Transplantation 16:2323-2327.

67. Merlini L, Gooding R, Lochmüller H, Müller-Felber W, Walter MC, Angelicheva D, Talim B, **Hallmayer J**, L. Kalaydjieva, L (2002) A subtype of Marinesco-Sjogren syndrome is genetically identical to congenital cataracts facial dysmorphism neuropathy. Neurology 58:231-236.

68. Schwab SG, **Hallmayer J**, Freimann J, Lerer B, Albus M, Borrmann-Hassenbach M, Segman RH, Trixler M, Rietschel M, Maier W, Wildenauer DB. (2002) Investigation of linkage and association/linkage disequilibrium of HLA A-, DQA1-, DQB1-, and DRB1-alleles in 69 sib-pair- and 89 trio-families with schizophrenia. American Journal of Medical Genetics (Neuropsychiatric Genetics) 114:315-320.

69. Hedley R, **Hallmayer J**, Groth DM, Brooks WS, Gandy SE, Martins RN (2002) Association of interleukin-1 polymorphisms with Alzheimer's disease in Australia. Annals of Neurology 51: 795-797.

70. Taddei, K, Fisher C, Laws SM, Martins G, Paton A, Clarnette RM, Chung C, Brooks WS, **Hallmayer J**, Miklossy J, Relkin N, St. George-Hyslop PH, Gandy, SE, Martins RN (2002) Association between presenilin-1 Glu318Gly mutation and familial AD in the Australian population. Molecular Psychiatry 7:776-781.

71. Laws SM, Clarnette RM, Taddei K, Martins G, Paton A, **Hallmayer J**, Almeida OP, Groth DM, Gandy SE, Förstl H, Martins RN (2002) APOE-4 and APOE -491A polymorphisms in individuals with subjective memory loss. Molecular Psychiatry. 7:768-775.

72. **Hallmayer J**, Glasson EJ, Bower C, Petterson B, Croen L, Grether J, Risch N (2002). On The Twin Risk in Autism. American Journal of Human Genetics 71:941-946.

73. Schwab SG, Knapp M, Moncabon S, **Hallmayer J**, Borrmann-Hassenbach M, Lerer B, Trixler M, Maier W, Wildenauer DB (2003). Support for association of schizophrenia with genetic variation in the 6p22.3 gene, Dysbindin, in sib-pair families with linkage and in an additional sample of triad families. American Journal of Human Genetics 72:185-90.

74. **Hallmayer J**, Jablensky A, Michie O, Woodbury M, Salmon B, Combrinck J, Wichman H, Rock D, D'Ercole M, Howell S, Dragović M, Kent A (2003) Linkage analysis of candidate regions using a composite phenotype correlated with schizophrenia. Molecular Psychiatry 8:511-523.

75. Rock D, Greenberg DM, **Hallmayer J** (2003) Cyclical changes of homicide rates: a reanalysis of Brearley's 1932 data. Journal of Interpersonal Violence 18:942-952.

76. Rock D, Greenberg DM, **Hallmayer J** (2003) The seasonality of suicide in Australia 1970-99. Psychiatry Research. 120:43-51.

77. McIntire JJ, Umetsu SE, Macaubas C, Hoyte EG, Cinnioğlu C, Barsh GS, **Hallmayer JF**, Underhill PA, Risch NJ, Freeman GJ, DeKruyff RH, Umetsu DT (2003) Association of TIM-1 with atopy: Gene interaction with hepatitis A infection and the hygiene hypothesis. Nature 425:576.

78. Schwab SG, Mondabon S, Knapp M, Albus M, **Hallmayer J**, Bormann-Hassenbach M, Trixler M, Gross M, Schulze T, Lerer B, Maier W, Wildenauer DB (2003) Tumor necrosis factor alpha gene-G308 polymorphism: evidence for linkage disequilibrium in 79 sib-pair-families with linkage to the MHC region and in 128 trio-families with family history of psychiatric disorder. Schizophrenia Research. 65:19-25

79. Sporn A, Addington A, Reiss AL, Dean M, Gogtay N, Potocnik U, Greenstein D, **Hallmayer J**, Gochman P, Lenane M, Baker N, Tossell J, Rapoport JL. (2004) 22q11 deletion syndrome in childhood onset schizophrenia: an update. Mol Psychiatry. 9:225-226.

80. Nair-Miranda K, Murch A, Petterson P, Hill W, Nikolova-Hill A, Bradley L, Jackson S, **Hallmayer J** (2004) An investigation into sub-telomeric deletions of chromosome 22 and pervasive developmental disorders. American Journal of Genetics (Neuropsychiatric Genetics) 125B: 99-104.

81. Glasson EJ, Bower C, Petterson B, de Klerk N, Chaney G, **Hallmayer J** (2004) Perinatal factors and the development of autism: A population study. Archives of General Psychiatry. 61:618-627

82. Dyck MJ, Hay D, Anderson M, Smith LM, Piek J, **Hallmayer J** (2004) Is the Discrepancy Criterion for Defining Developmental Disorders Valid? Journal of Child Psychology and Psychiatry, and Allied Disciplines. 45:979-995.

83. Bishop D, Maybery M, Wong D, Maley A, Hill W, **Hallmayer J** (2004) Are phonological processing deficits part of the broader autism phenotype? American Journal of Genetics (Neuropsychiatric Genetics) 128B:54-60.

84. Bishop D, Maybery M, Wong D, Maley A, Hill W, **Hallmayer J** (2004) Using self-report to identify the broad phenotype in parents of children with autistic spectrum disorders: a study using the Autism-Spectrum Quotient. Journal of Child Psychology and Psychiatry, and Allied Disciplines 45:1431-1436.

85. Piek JP, Dyck MJ, Nieman A, Anderson M, Hay D, Smith LM, McCoy M, **Hallmayer J** (2004). The relationship between motor coordination, executive functioning and attention in school aged children. Archives of Clinical Neuropsychology. 19(8):1063-1076.

86. **Hallmayer JF**, Kalaydjieva L, Badcock J, Dragovic M, Howell S, Michie PT, Rock D, Vile D, Williams R, Corder EH, Hollingsworth K, Jablensky A. (2005) Genetic Evidence for a Distinct Subtype of Schizophrenia Characterized by Pervasive Cognitive Deficit. American Journal of Human Genetics 77:468-76.

87. Rock, D. Greenberg, DM, **Hallmayer, J** (2005) The impact of case-fatality on the seasonality of

suicidal behaviour. Psychiatry Research. 137:21-27

88. Rock D, Greenberg DM, **Hallmayer J** (2006) Season of birth as a risk factor for the seasonaility of suicidal behaviour. European Archives of Psychiatry and Clinical Neuroscience. 56:98-105.

89. Dyck M, Piek J, Hay D, Smith L, **Hallmayer J** (2006). Are abilities abnormally interdependent in children with autism? Journal of Clinical Child and Adolescent Psychology. 35:20-33.

90. Bishop D, Maybery M, Wong D, Maley A, **Hallmayer J** (2006). Characteristics of the broader phenotype in autism: a study of siblings using the Children's Communication Checklist-2. American Journal of Genetics (Neuropsychiatric Genetics). 141:117-121.

91. Larkin EK, Patel SR, Redline S, Mignot E, Elston R, **Hallmayer J** (2006). Apolipoprotein E and Obstructive Sleep Apnea: Evaluating whether a candidate gene explains a linkage peak. Genetic Epidemiology. 30:101-110.

92. Schwab SG, Knapp M, Sklar P, Eckstein GN, Sewekow C, Borrmann-Hassenbach M, Albus M, Becker T, **Hallmayer JF**, Lerer W, Maier W, Wildenauer DB (2006). Evidence for association of DNA sequence variants in the phosphatidylinositol-4-phosphate 5-kinase IIα gene (PIP5K2a) with schizophrenia. Molecular Psychiatry 11:837-846.

93. Baumer FM, Howe M, Galleli K, Simeonova DI, **Hallmayer J**, Chang KD (2006). A Pilot Study of antidepressant-induced mania in pediatric bipolar Disorder: Characteristics, risk factors, and the serotonin transporter gene. Biological Psychiatry. ;60:1005-1112.

94. Wong D, Maybery M, Bishop DV, Maley A, **Hallmayer J (**2006**)**. Profiles of executive functioning in parents and siblings of individuals with autism spectrum disorders. Genes, Brain and Behavior 5:561-576.

95. Baxter A, Lotspeich L, Spiker D, Martin J, Grether JK, **Hallmayer J** (2006). Affect of maternal age on severity of autism. Journal of Autism and Develompental Disorders [Epub ahead of print]

96. O'Hara R, Miller E, Liao C-P, Way N, Lin X, **Hallmayer J** (2006). COMT Genotype, Gender and Cognition in Community-Dwelling, Older Adults. Neuroscience Letters. 409:205-209.

97. Wisdom S, Dyck M, Piek JP, Hay D, **Hallmayer J** (2007). Can autism, language and coordination disorders be differentiated based on characteristic ability Profiles? European Child and Adolescent Psychiatry. 16(3):178-86.

98. Singh J. **Hallmayer J,** Illes J.(2007). Paradoxical Relationships in the Science of Autism. Nature Reviews Neuroscience 8:153-60.

99. The Autism Genome Project Consortium (2007) Mapping autism risk loci using genetic linkage and chromosomal rearrangements. Nature Genetics 39:319-328.

100. O'Hara R, Schröder CM, Gray H, Schatzberg AF, Kraemer HC, Noda A, Lin X, **Hallmayer J** (2007). Serotonin Transporter Polymorphism, Cortisol and Cognition in Older Adults. Molecular Psychiatry; Mol Psychiatry 12:544-555.

101. Gothelf D, Hoeft F, Hinard C, **Hallmayer J**, Stoecker JV, Antonarakis SE, Morris MA, Reiss AL

(2007). Abnormal cortical activation during response inhibition in 22q11.2 deletion syndrome. Hum Brain Mapp. 28:533-42.

102. 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 A (2008). Bipolar disorder in the Bulgarian Gypsies: Genetic heterogeneity in a young founder population. Am J Med Genet B Neuropsychiatr Genet. [Epub ahead of print]

103. Gotlib IH, Joormann J, Minor KL, **Hallmayer J**. HPA axis reactivity: a mechanism underlying the associations among 5-HTTLPR, stress, and depression. Biol Psychiatry. 2008 May 1;63(9):847-51.

104. Liu XQ, Paterson AD, Szatmari P; Bailey AJ, Baird G, Bartlett C, Battaglia A, Berney T, Betancur C, Bölte S, Bolton PF, Brian J, Bryson SE, Buxbaum JD, Cantor RM, Cook EH, Coon H, Corsello C, Cuccaro ML, Davis KL, Dawson G, de Jonge M, Devlin B, Ennis S, Estes A, Fombonne E, Freitag CM, Gallagher L, Geschwind DH, Gilbert J, Gill M, Gillberg C, Goldberg J, Green A, Green J, Guter SJ, Haines JL, **Hallmayer J**, Hus V, Klauck SM, Korvatska O, Lamb JA, Laskawiec M, Leboyer M, Le Couteur A, Leventhal BL, Lord C, Lotspeich L, Maestrini E, Mahoney W, Mantoulan C, McConachie H, McDougle CJ, McMahon WM, Miller J, Monaco AP, Munson J, Nurnberger JI Jr, Oliveira G, Papanikolaou K, Parr JR, Pericak-Vance MA, Pickles A, Piven J, Posey DJ, Poustka A, Poustka F, Renshaw K, Roberts W, Roge B, Rutter ML, Salt J, Schellenberg GD, Scherer SW, Sheffield VC, Sutcliffe JS, Thompson AP, Tsiantis J, Van Engeland H, Vicente AM, Vieland VJ, Volkmar F, Wallace S, Wassink TH, Wijsman EM, Wittemeyer K, Zwaigenbaum L (2008). Genome-wide linkage analyses of quantitative and categorical autism subphenotypes. Biological Psychiatry 64:561-70.

105. Rock DJ, Judd K, **Hallmayer JF** (2008). The seasonal relationship between assault and homicide in England and Wales. Injury. 39:1047-53.

106. Gnjec A, D'Costa KJ, Laws SM, Hedley R, Balakrishnan K, Taddei K, Martins G, Paton A, Verdile G, Gandy SE, Broe GA, Brooks WS, Bennett H, Piguet O, Price P, Miklossy J, **Hallmayer J**, McGeer PL, Martins RN (2008). J Neuroinflammation. 5:36.

107. Rock DJ, **Hallmayer JF** (2008). The seasonal risk for deliberate self-harm. Determined by place of birth, but occurrence determined by place of residence. Crisis. 29:191-201.

108. Chen MC, Joormann J, **Hallmayer J**, Gotlib IH (2009). Serotonin transporter polymorphism predicts waking cortisol in young girls. Psychoneuroendocrinology. 34(5):681-6.

109. Singh J, Illes J, Lazzeroni L, **Hallmayer J**. (2009) Trends in US Autism Research Funding. J Autism Dev Disord. 39(5):788-95.

110. **Hallmayer J**, Faraco J, Lin L, Hesselson S, Winkelmann J, Kawashima M, Mayer G, Plazzi G, Nevsimalova S, Bourgin P, Hong SC, Honda Y, Honda M, Högl B, Longstreth WT Jr, Montplaisir J, Kemlink D, Einen M, Chen J, Musone SL, Akana M, Miyagawa T, Duan J, Desautels A, Erhardt C, Hesla PE, Poli F, Frauscher B, Jeong JH, Lee SP, Ton TG, Kvale M, Kolesar L, Dobrovolná M, Nepom GT, Salomon D, Wichmann HE, Rouleau GA, Gieger C, Levinson DF, Gejman PV, Meitinger T, Young T, Peppard P, Tokunaga K, Kwok PY, Risch N, Mignot E (2009). Narcolepsy is strongly associated with the T-cell receptor alpha locus. Nat Genet. 2009 Jun;41(6):708-11.

111. Hah M, Lotspeich LJ, Phillips JM, Torres AD, Cleveland SC, **Hallmayer JF** (2009). Twins with KBG Syndrome and Autism. J Autism Dev Disord. 39(12):1744-1746.

112. Weiss LA, Arking DE; Gene Discovery Project of Johns Hopkins & the Autism Consortium, Daly MJ, Chakravarti A (2009). A genome-wide linkage and association scan reveals novel loci for autism. Nature. 461(7265):802-8.

113. Rasgon NL, Kenna HA, Wroolie TE, Kelley R, Silverman D, Brooks J, Williams KE, Powers BN, **Hallmayer J**, Reiss A. Insulin resistance and hippocampal volume in women at risk for Alzheimer's disease. Neurobiol Aging. 2009 Dec 24. [Epub ahead of print]

114. Chandler D, Dragović M, Cooper M, Badcock JC, Mullin BH, Faulkner D, Wilson SG, **Hallmayer J**, Howell S, Rock D, Palmer LJ, Kalaydjieva L, Jablensky A. Impact of Neuritin 1 (NRN1) polymorphisms on fluid intelligence in schizophrenia. Am J Med Genet B Neuropsychiatr Genet. 2010 Mar 5;153B(2):428-37.

115. Fredericks CA, Drabant EM, Edge MD, Tillie JM, **Hallmayer J**, Ramel W, Kuo JR, Mackey S, Gross JJ, Dhabhar FS (2010). Healthy young women with serotonin transporter SS polymorphism show a pro-inflammatory bias under resting and stress conditions. Brain Behav Immun. 24(3):350-7.

116. Thomason ME, Dougherty RF, Colich NL, Perry LM, Rykhlevskaia EI, Louro HM, **Hallmayer JF**, Waugh CE, Bammer R, Glover GH, Gotlib IH. COMT genotype affects prefrontal white matter pathways in children and adolescents. Neuroimage. 2010 Nov 15;53(3):926-34.

117. Yang P, Shu BC, **Hallmayer JF**, Lung FW (2010) Intronic single nucleotide polymorphisms of engrailed homeobox 2 modulate the disease vulnerability of autism in a Han Chinese population. Neuropsychobiology. 62(2):104-15.

118. Pinto D, Pagnamenta AT, Klei L, Anney R, Merico D, Regan R, Conroy J, Magalhaes TR, Correia C, Abrahams BS, Almeida J, Bacchelli E, Bader GD, Bailey AJ, Baird G, Battaglia A, Berney T, Bolshakova N, Bölte S, Bolton PF, Bourgeron T, Brennan S, Brian J, Bryson SE, Carson AR, Casallo G, Casey J, Chung BH, Cochrane L, Corsello C, Crawford EL, Crossett A, Cytrynbaum C, Dawson G, de Jonge M, Delorme R, Drmic I, Duketis E, Duque F, Estes A, Farrar P, Fernandez BA, Folstein SE, Fombonne E, Freitag CM, Gilbert J, Gillberg C, Glessner JT, Goldberg J, Green A, Green J, Guter SJ, Hakonarson H, Heron EA, Hill M, Holt R, Howe JL, Hughes G, Hus V, Igliozzi R, Kim C, Klauck SM, Kolevzon A, Korvatska O, Kustanovich V, Lajonchere CM, Lamb JA, Laskawiec M, Leboyer M, Le Couteur A, Leventhal BL, Lionel AC, Liu XQ, Lord C, Lotspeich L, Lund SC, Maestrini E, Mahoney W, Mantoulan C, Marshall CR, McConachie H, McDougle CJ, McGrath J, McMahon WM, Merikangas A, Migita O, Minshew NJ, Mirza GK, Munson J, Nelson SF, Noakes C, Noor A, Nygren G, Oliveira G, Papanikolaou K, Parr JR, Parrini B, Paton T, Pickles A, Pilorge M, Piven J, Ponting CP, Posey DJ, Poustka A, Poustka F, Prasad A, Ragoussis J, Renshaw K, Rickaby J, Roberts W, Roeder K, Roge B, Rutter ML, Bierut LJ, Rice JP, Salt J, Sansom K, Sato D, Segurado R, Sequeira AF, Senman L, Shah N, Sheffield VC, Soorya L, Sousa I, Stein O, Sykes N, Stoppioni V, Strawbridge C, Tancredi R, Tansey K, Thiruvahindrapduram B, Thompson AP, Thomson S, Tryfon A, Tsiantis J, Van Engeland H, Vincent JB, Volkmar F, Wallace S, Wang K, Wang Z, Wassink TH, Webber C, Weksberg R, Wing K, Wittemeyer K, Wood S, Wu J, Yaspan BL, Zurawiecki D, Zwaigenbaum L, Buxbaum JD, Cantor RM, Cook EH, Coon H, Cuccaro ML, Devlin B, Ennis S, Gallagher L, Geschwind DH, Gill M, Haines JL, **Hallmayer J**, Miller J, Monaco AP, Nurnberger JI Jr, Paterson AD, Pericak-Vance MA, Schellenberg GD, Szatmari P, Vicente AM, Vieland VJ, Wijsman EM, Scherer SW, Sutcliffe JS, Betancur C (2010). Functional impact of global rare copy number variation in autism spectrum disorders. Nature.

15;466(7304):368-72.

119. Anney R, Klei L, Pinto D, Regan R, Conroy J, Magalhaes TR, Correia C, Abrahams BS, Sykes N, Pagnamenta AT, Almeida J, Bacchelli E, Bailey AJ, Baird G, Battaglia A, Berney T, Bolshakova N, Bölte S, Bolton PF, Bourgeron T, Brennan S, Brian J, Carson AR, Casallo G, Casey J, Chu SH, Cochrane L, Corsello C, Crawford EL, Crossett A, Dawson G, de Jonge M, Delorme R, Drmic I, Duketis E, Duque F, Estes A, Farrar P, Fernandez BA, Folstein SE, Fombonne E, Freitag CM, Gilbert J, Gillberg C, Glessner JT, Goldberg J, Green J, Guter SJ, Hakonarson H, Heron EA, Hill M, Holt R, Howe JL, Hughes G, Hus V, Igliozzi R, Kim C, Klauck SM, Kolevzon A, Korvatska O, Kustanovich V, Lajonchere CM, Lamb JA, Laskawiec M, Leboyer M, Le Couteur A, Leventhal BL, Lionel AC, Liu XQ, Lord C, Lotspeich L, Lund SC, Maestrini E, Mahoney W, Mantoulan C, Marshall CR, McConachie H, McDougle CJ, McGrath J, McMahon WM, Melhem NM, Merikangas A, Migita O, Minshew NJ, Mirza GK, Munson J, Nelson SF, Noakes C, Noor A, Nygren G, Oliveira G, Papanikolaou K, Parr JR, Parrini B, Paton T, Pickles A, Piven J, Posey DJ, Poustka A, Poustka F, Prasad A, Ragoussis J, Renshaw K, Rickaby J, Roberts W, Roeder K, Roge B, Rutter ML, Bierut LJ, Rice JP, Salt J, Sansom K, Sato D, Segurado R, Senman L, Shah N, Sheffield VC, Soorya L, Sousa I, Stoppioni V, Strawbridge C, Tancredi R, Tansey K, Thiruvahindrapduram B, Thompson AP, Thomson S, Tryfon A, Tsiantis J, Van Engeland H, Vincent JB, Volkmar F, Wallace S, Wang K, Wang Z, Wassink TH, Wing K, Wittemeyer K, Wood S, Yaspan BL, Zurawiecki D, Zwaigenbaum L, Betancur C, Buxbaum JD, Cantor RM, Cook EH, Coon H, Cuccaro ML, Gallagher L, Geschwind DH, Gill M, Haines JL, Miller J, Monaco AP, Nurnberger JI Jr, Paterson AD, Pericak-Vance MA, Schellenberg GD, Scherer SW, Sutcliffe JS, Szatmari P, Vicente AM, Vieland VJ, Wijsman EM, Devlin B, Ennis S, **Hallmayer J** (2010). A genome-wide scan for common alleles affecting risk for autism. Hum Mol Genet. 19(20):4072-82.

120. Thompson RJ, Parker KJ, **Hallmayer JF**, Waugh CE, Gotlib IH. Oxytocin receptor gene polymorphism (rs2254298) interacts with familial risk for psychopathology to predict symptoms of depression and anxiety in adolescent girls. Psychoneuroendocrinology (2011). Jan;36(1):144-7

121. Pagnamenta AT, Khan H, Walker S, Gerrelli D, Wing K, Bonaglia MC, Giorda R, Berney T, Mani E, Molteni M, Pinto D, Le Couteur A, **Hallmayer J**, Sutcliffe JS, Szatmari P, Paterson AD, Scherer SW, Vieland VJ, Monaco AP. Rare familial 16q21 microdeletions under a linkage peak implicate cadherin 8 (CDH8) in susceptibility to autism and learning disability. J Med Genet. 2011 Jan;48(1):48-54

122. Kornum BR, Kawashima M, Faraco J, Lin L, Rico TJ, Hesselson S, Axtell RC, Kuipers H, Weiner K, Hamacher A, Kassack MU, Han F, Knudsen S, Li J, Dong X, Winkelmann J, Plazzi G, Nevsimalova S, Hong SC, Honda Y, Honda M, Högl B, Ton TG, Montplaisir J, Bourgin P, Kemlink D, Huang YS, Warby S, Einen M, Eshragh JL, Miyagawa T, Desautels A, Ruppert E, Hesla PE, Poli F, Pizza F, Frauscher B, Jeong JH, Lee SP, Strohl KP, Longstreth WT Jr, Kvale M, Dobrovolna M, Ohayon MM, Nepom GT, Wichmann HE, Rouleau GA, Gieger C, Levinson DF, Gejman PV, Meitinger T, Peppard P, Young T, Jennum P, Steinman L, Tokunaga K, Kwok PY, Risch N, **Hallmayer J**, Mignot E. Common variants in P2RY11 are associated with narcolepsy. Nat Genet. 2011 Jan;43(1):66-71.

123. Yazawa M, Hsueh B, Jia X, Pasca AM, Bernstein JA, **Hallmayer J**, Dolmetsch RE. Using induced pluripotent stem cells to investigate cardiac phenotypes in Timothy syndrome. Nature. 2011 Mar 10;471(7337):230-4.

124. Yesavage JA, Noda A, Hernandez B, Friedman L, Cheng JJ, Tinklenberg JR, **Hallmayer J**, O'hara R, David R, Robert P, Landsverk E, Zeitzer JM; Alzheimer's Disease Neuroimaging Initiative.Circadian clock gene polymorphisms and sleep-wake disturbance in Alzheimer disease. Am J Geriatr Psychiatry. 2011 Jul;19(7):635-43.

125. Vieland VJ, **Hallmayer J**, Huang Y, Pagnamenta AT, Pinto D, Khan H, Monaco AP, Paterson AD, Scherer SW, Sutcliffe JS, Szatmari P; The Autism Genome Project (AGP). Novel method for combined linkage and genome-wide association analysis finds evidence of distinct genetic architecture for two subtypes of autism Neurodev Disord. 2011 Jun;3(2):113-123.]

126. Thompson W, **Hallmayer J**, O'Hara R Design Considerations for Characterizing Psychiatric Trajectories across the Lifespan. Am J Psychiatry. 2011 Sep;168(9):894-903.

127. Schulz-Heik RJ, Schaer M, Eliez S, **Hallmayer JF**, Lin X, Kaloupek DG, Woodward SH (2011). Catechol-O-methyltransferase Val158Met Polymorphism Moderates Anterior Cingulate Volume in Posttraumatic Stress Disorder. Biol Psychiatry 15;71(4):388

128. **Hallmayer J**, Cleveland S, Torres A, Phillips J, Cohen B, Torigoe T, Miller J, Fedele A, Collins J, Smith K, Lotspeich L, Croen LA, Ozonoff S, Lajonchere C, Grether JK, Risch N (2011). Genetic Heritability and Shared Environmental Factors Among Twin Pairs With Autism. Arch Gen Psychiatry 68(11):1095-102.

129. Casey JP, Magalhaes T, Conroy JM, Regan R, Shah N, Anney R, Shields DC, Abrahams BS, Almeida J, Bacchelli E, Bailey AJ, Baird G, Battaglia A, Berney T, Bolshakova N, Bolton PF, Bourgeron T, Brennan S, Cali P, Correia C, Corsello C, Coutanche M, Dawson G, de Jonge M, Delorme R, Duketis E, Duque F, Estes A, Farrar P, Fernandez BA, Folstein SE, Foley S, Fombonne E, Freitag CM, Gilbert J, Gillberg C, Glessner JT, Green J, Guter SJ, Hakonarson H, Holt R, Hughes G, Hus V, Igliozzi R, Kim C, Klauck SM, Kolevzon A, Lamb JA, Leboyer M, Le Couteur A, Leventhal BL, Lord C, Lund SC, Maestrini E, Mantoulan C, Marshall CR, McConachie H, McDougle CJ, McGrath J, McMahon WM, Merikangas A, Miller J, Minopoli F, Mirza GK, Munson J, Nelson SF, Nygren G, Oliveira G, Pagnamenta AT, Papanikolaou K, Parr JR, Parrini B, Pickles A, Pinto D, Piven J, Posey DJ, Poustka A, Poustka F, Ragoussis J, Roge B, Rutter ML, Sequeira AF, Soorya L, Sousa I, Sykes N, Stoppioni V, Tancredi R, Tauber M, Thompson AP, Thomson S, Tsiantis J, Van Engeland H, Vincent JB, Volkmar F, Vorstman JA, Wallace S, Wang K, Wassink TH, White K, Wing K, Wittemeyer K, Yaspan BL, Zwaigenbaum L, Betancur C, Buxbaum JD, Cantor RM, Cook EH, Coon H, Cuccaro ML, Geschwind DH, Haines JL, **Hallmayer J**, Monaco AP, Nurnberger JI Jr, Pericak-Vance MA, Schellenberg GD, Scherer SW, Sutcliffe JS, Szatmari P, Vieland VJ, Wijsman EM, Green A, Gill M, Gallagher L, Vicente A, Ennis S. A novel approach of homozygous haplotype sharing identifies candidate genes in autism spectrum disorder. Hum Genet 131(4):565-79.

130. Pașca S, Portmann T, Yazawa M, Voineagu I, Pașca A, Cord B, Palmer T, Chikahisa S, Seiji N, Bernstein JA, **Hallmayer J**, Geschwind D, Dolmetsch RE (2011) Using iPS cell-derived neurons to uncover the cellular basis of autism in patients with Timothy Syndrome Nat Medicine 27;17(12):1657-62.

131. Lepage JF, Hong DS, **Hallmayer J**, Reiss AL. Genomic imprinting effects on cognitive and social abilities in prepubertal girls with turner syndrome. J Clin Endocrinol Metab. 2012 Mar;97(3):E460-4.

132. O'Hara R, Marcus P, Thompson WK, Flournoy J, Vahia I, Lin X, **Hallmayer J**, Depp C, Jeste DV. 5-HTTLPR Short Allele, Resilience, and Successful Aging in Older Adults. Am J Geriatr Psychiatry. 2012 Jan 9. [Epub ahead of print]

133. Winkelmann J, Lin L, Schormair B, Kornum BR, Faraco J, Plazzi G, Melberg A, Cornelio F, Urban AE, Pizza F, Poli F, Grubert F, Wieland T, Graf E, **Hallmayer J**, Strom TM, Mignot E. Mutations in DNMT1 cause autosomal dominant cerebellar ataxia, deafness and narcolepsy. Hum Mol Genet. 2012 May 15;21(10):2205-10.

134. Anney R, Klei L, Pinto D, Almeida J, Bacchelli E, Baird G, Bolshakova N, Bölte S, Bolton PF, Bourgeron T, Brennan S, Brian J, Casey J, Conroy J, Correia C, Corsello C, Crawford EL, de Jonge M, Delorme R, Duketis E, Duque F, Estes A, Farrar P, Fernandez BA, Folstein SE, Fombonne E, Gilbert J, Gillberg C, Glessner JT, Green A, Green J, Guter SJ, Heron EA, Holt R, Howe JL, Hughes G, Hus V, Igliozzi R, Jacob S, Kenny GP, Kim C, Kolevzon A, Kustanovich V, Lajonchere CM, Lamb JA, Law-Smith M, Leboyer M, Le Couteur A, Leventhal BL, Liu XQ, Lombard F, Lord C, Lotspeich L, Lund SC, Magalhaes TR, Mantoulan C, McDougle CJ, Melhem NM, Merikangas A, Minshew NJ, Mirza GK, Munson J, Noakes C, Nygren G, Papanikolaou K, Pagnamenta AT, Parrini B, Paton T, Pickles A, Posey DJ, Poustka F, Ragoussis J, Regan R, Roberts W, Roeder K, Roge B, Rutter ML, Schlitt S, Shah N, Sheffield VC, Soorya L, Sousa I, Stoppioni V, Sykes N, Tancredi R, Thompson AP, Thomson S, Tryfon A, Tsiantis J, Van Engeland H, Vincent JB, Volkmar F, Vorstman J, Wallace S, Wing K, Wittemeyer K, Wood S, Zurawiecki D, Zwaigenbaum L, Bailey AJ, Battaglia A, Cantor RM, Coon H, Cuccaro ML, Dawson G, Ennis S, Freitag CM, Geschwind DH, Haines JL, Klauck SM, McMahon WM, Maestrini E, Miller J, Monaco AP, Nelson SF, Nurnberger JI Jr, Oliveira G, Parr JR, Pericak-Vance MA, Piven J, Schellenberg GD, Scherer SW, Vicente AM, Wassink TH, Wijsman EM, Betancur C, Buxbaum JD, Cook EH, Gallagher L, Gill M, Hallmayer J, Paterson AD, Sutcliffe JS, Szatmari P, Vieland VJ, Hakonarson H, Devlin B. Individual common variants exert weak effects on the risk for autism spectrum disorders. Hum Mol Genet. 2012 Nov 1;21(21):4781-92

135. Miller S, **Hallmayer J**, Wang PW, Hill SJ, Johnson SL, Ketter TA. Brain-derived neurotrophic factor val66met genotype and early life stress effects upon bipolar course. J Psychiatr Res. 2013 Feb;47(2):252-8**.**

136. Froehlich W, Cleveland S, Torres A, Phillips J, Cohen B, Torigoe T, Miller J, Fedele A, Collins J, Smith K, Lotspeich L, Croen LA, Ozonoff S, Lajonchere C, Grether JK, **Hallmayer J**. Head Circumferences in Twins With and Without Autism Spectrum Disorders. J Autism Dev Disord. 2013 Jan 16. [Epub ahead of print].

137. Faraco J, Lin L, Kornum BR, Kenny EE, Trynka G, Einen M, Rico TJ, Lichtner P, Dauvilliers Y, Arnulf I, Lecendreux M, Javidi S, Geisler P, Mayer G, Pizza F, Poli F, Plazzi G, Overeem S, Lammers GJ, Kemlink D, Sonka K, Nevsimalova S, Rouleau G, Desautels A, Montplaisir J, Frauscher B, Ehrmann L, Högl B, Jennum P, Bourgin P, Peraita-Adrados R, Iranzo A, Bassetti C, Chen WM, Concannon P, Thompson SD, Damotte V, Fontaine B, Breban M, Gieger C, Klopp N, Deloukas P, Wijmenga C, **Hallmayer J**, Onengut-Gumuscu S, Rich SS, Winkelmann J, Mignot E. ImmunoChip study implicates antigen presentation to T cells in narcolepsy. PLoS Genet. 2013 Feb;9(2):e1003270. doi: 10.1371/journal.pgen.1003270. Epub 2013 Feb 14.

Other:

138. Paschen W, **Hallmayer J**, Djuricic B, Schmidt-Kastner R, Roehn G (1989). Veraenderungen der regionalen Polyamin-Gehalte nach reversibler zerebraler Ischaemie: Beziehung zum Ausmass desischaemischen Zellschadens. In: Funktionsanalysen biologischer Systeme 19, 151-161, Gustav Fischer Verlag.

139. Maier W, **Hallmayer J**, Buller R (1988) Comorbidity of anxiety and depression in families. A report from an ongoing family study. In: Hand I, Wittchen H (eds) Panic and Phobia II, Springer Verlag, Heidelberg-New York, 180-185.

140. Maier W, Heun R, **Hallmayer J** (1989) The relationship between hyperthermic disorders and personality disorders: Evidence from a family study. In Gaszner P (ed) Nosology, symptomatology and biology of hyperthermic disorders, National Institute for Nervous and Mental Disease, Budapest, Hungary.

141. **Hallmayer J**, Maier W, Phillip M (1989) Besteht ein Zusammenhang zwischen familiaerer Belastung und Verlaufstyp bei affectiven Erkrankungen? In: Saletu B (ed) Biologische Psychiatrie, Thieme Verlag, 178-179.

142. Maier W, **Hallmayer J**, Phillip M (1989) Die Charakterisierung des Phaenotyps bei genetischen Untersuchungen affektiver und schizophrener Erkrankungen. In: Saletu B (ed) Biologische Psychiatrie, Thieme Verlag, 493-497.

143. **Hallmayer J**, Maier W, Minges J (1989) Endogene und neurotische Depression: Gibt es Unterschiede in der familiaeren Belastung? In: Lungershausen E, Kaschka WP, Wittkowski G (eds) Affektive Psychosen, Schattauer Verlag 111-115.

144. Maier W, **Hallmayer J** (1990) Zur Genetik affektiver, schizoaffektiver und schizophrener Erkrankungen. In: Lungershausen E, Kaschka WP, Wittkowski G (eds) Affektive Psychosen, Schattauer Verlag 153-157.

145. Maier W, **Hallmayer J**, Heun R, Phillip M (1990) Endogenous and neurotic depression: Distinct patterns of familial loading? In: Stefanis C, Rabavilas AD, Soldatos CR (eds) Psychiatry, Vol 1, Classification and Psychopathology; Child Psychiatry; Substance Use. Elsevier Amsterdam. 446-451.

146. Maier W, **Hallmayer J**, Minges J, Lichtermann D (1990) Morbid risks in relatives of affective, schizoaffective, and schizophrenic patients – Results from a family study. In: Marneros A, Tsuang M (eds) Affective and Schizoaffective Psychoses: Similarities and Dissimilarities, Springer Verlag, 140-154.

147. Spiker D, Lotspeich D, **Hallmayer J**, Kraemer HC, Ciaranello RD (1993) Failure to find cytogenetic abnormalities in autistic children whose parents grew up near plastics manufacturing sites. Journal of Autism and Developmental Disorders 23:681:682.

148. Wildenauer DB, **Hallmayer J**, Schwab SG, Albus M, Eckstein GN, Zill P, Hönig S, Strauß M, Borrmann M, Lichtermann D, Ebstein RP, Lerer B, Risch N, Maier W (1996) Searching for Susceptibility Genes in Schizophrenia by Genetic Linkage Analysis. Cold Spring Harbor Symposia on Quantitative Biology 61:1-6.

149. Maier W, Lichtermann D, **Hallmayer J** (1994) Discontinuity and continuity in familial aggregation of major psychiatric disorders in: Basic Approaches to Genetic and Molecularbiological Developmental Psychiatry Editor: Fritz Poustka Verlag Quintessenz Muenchen pp 73-78.

150. Mignot E, Macaubas C, Jin L, **Hallmayer J**, Kimura A, Grumet FC (1997) The natural history of a microsatellite located in the HLA DQ region. Proceedings of the Twelfth International Histocompatibility Workshop and Conference.

151. **Hallmayer J**. (2000) Autismus und andere Tiefgreifende Entwicklungsstörungen in**:** Klinische Neuropsychiatrie. Editor: Hans Förstl. Stuttgart: Georg Thieme Verlag pp136-146.

152. **Hallmayer J** (2000) The epidemiology of the genetic liability of schizophrenia. Australian and New Zealand Journal of Psychiatry. Australian and New Zealand Journal of Psychiatry 34 (Suppl.): S47-S55.

153. **Hallmayer J** (2001) The use of atypical antipsychotics in the treatment of psychosis in the elderly. Current Psychiatry Reports 3:312-314.

154. **Hallmayer J** (2002) Clinical Trials Report. Current Psychiatry Reports 4:163-165.

155. Wildenauer DB, **Hallmayer J**, Schwab SG (2002) Genetics of complex psychiatric disorders: Scientific foundations. The Israel Journal of Psychiatry and Related Sciences 39:232-239.

156. **Hallmayer J** (2003) Clinical Trials Report. Current Psychiatry Reports 5:175-177.

157. Fabrikant S, Jansen B, **Hallmayer J**, Brett A, Johnston J, and Jablensky A (2003). The niacin skin-flush response in patients with schizophrenia, unaffected first-degree relatives and controls. In: Phospholipid Spectrum Disorders in Psychiatry and Neurology, ed by M. Peet, I. Glen, and D.F. Horrobin (Eds.). Second Edition, Marius Press, Lancashire, 333-340.

158. Martins RN, **Hallmayer J** (2004) Age at Onset: Important marker of genetic heterogeneity in Alzheimer's disease. The Pharmacogenomics Journal 4:138-140.

159. **Hallmayer J** (2004) Atypical neuroleptic medication and psychosis in adolescence. Current Psychiatry Reports. 6:159.

160. **Hallmayer J** (2004) Psychiatric Genetics: What to expect. Current Psychiatry Reports. 6:149-150.

161. **Hallmayer J** (2004) Genetics and psychopathology: How far have we come and where are we going? In: Handbook of Mental Health Interventions in Children and Adolescents: An Integrated Developmental Approach, ed. by H. Steiner, Jossey-Bass, San Francisco, 193-221.

162. **Hallmayer J** (2004). Getting Our AKT Together In Schizophrenia? Nature Genetics. 36:115-116.

163. **Hallmayer J** (2005) Clinical Trials Report. Repetitive transcranial magnetic stimulation and auditory hallucinations. Current Psychiatry Reports. 6:159-161.

164. **Hallmayer J** (2006) Clinical Trials Report. The Glycine site of NMDA receptors – a target for treatment of schizophrenia. Current Psychiatry Reports. 8:171-173.

165. O'Hara R, **Hallmayer J** (2007). Serotonin transporter polymorphism and stress: a view across the lifespan. Current Psychiatry Reports 9:173-175.

166. **Hallmayer J** (2007). Atypical antipsychotic medication in preschool children. Current Psychiatry Reports. 9:181-3.

167. Hah M, **Hallmayer JF** (2008). Clinical Trials Report. Current Psychiatry Reports. 10:199-201.

Books:

168. Boelte S, **Hallmayer J** (eds). Autism - Frequently asked Questions Hofgrefe Verlag (2011)

INVITED PRESENTATIONS (SELECTED)

XXIV Wissenschafliche Tagung der Deutschen Gesellschaft für Kinder- und Jugendpsychiatrie
Würzburg, Germany, 1995
Genetik des frühkindlichen Autismus

Human Development Conference
Perth, Australia, 1997
Multipoint sib pair analysis between X-chromosomal markers and autism.

Biennial Autism Conference
Leura, Australia, 1997
A linkage study of autism

32nd Congress The Royal Australian and New Zealand College of Psychiatrists,
Sydney, Australia, 1997
A linkage study of familial autism

World Congress on Psychiatric Genetics
Bonn, Germany, 1998
Chair - Workshop on chromosomes 1,2 and 7

Neuroscience and Behaviour Research Foundation
Sofia, Bulgaria, 1998
Genetics of Autism

Meeting of the Australasian Society for Biological Psychiatry
Brisbane, Australia, 1998
Update on the Genetics of Schizophrenia

Workshop on Autism
Jakarta, Indonesia, 1998
Genetics of autism and pervasive developmental disorders

Boden Conference
Thredbo, Australia, 1999
Multipoint sib-pair analysis in schizophrenia: Results from a genome scan for autosomal genes conferring risk

First Australian Schizophrenia Prevention Conference
Sydney, Australia, 1999
The Epidemiology of the Genetic Liability for Schizophrenia

9th Annual Molecular Psychiatry Meeting
Napa Valley, USA, 2002
Composite neurocognitive phenotype correlated with schizophrenia in Australian pedigrees: A grade of membership model and genetic linkage findings

5th Annual Child Psychiatry Symposium
Stanford, USA, 2002
Searching for Genes in Complex Disorders

Seminar der Sonderforschungsbereiche 400& TR3
Bonn, Germany, 2002
Autismus – Genetik und Epidemiologie

American Neuropsychiatric Association, 14th Annual Meeting
Honolulu, USA, 2003
Genetics and Neurobiology of Autism and Pervasive Developmental Disorders

Center for Autistic Spectrum Disorders International Conference
Long Beach, USA, 2004
Genetics and Neurobiology of Autism and Pervasive Developmental Disorders

Australasian Society for Psychiatric Research
Annual Scientific Meeting, Perth, Australia, 2004
Genetics of Autism and Pervasive Developmental Disorders

3rd Career Development Institute
Pittsburgh, USA, 2004
Longitudinal View of Research Training & Professional Development

4th Career Development Institute
Stanford, USA, 2005
Longitudinal View of Research Training & Professional Development

11th Annual Summer Research Institute in Geriatric Psychiatry
Stanford, USA, 2005
Careers in Translational Research

5th Career Development Institute
Pittsburgh, USA, 2006
Longitudinal View of Research Training & Professional Development

45th annual meeting of the Taiwanese Society of Psychiatry
Taipei, Taiwan, 2006
Autism – a complex genetic disorder

6th Career Development Institute

Stanford, USA, 2007
Longitudinal View of Research Training & Professional Development

7th Career Development Institute
Pittsburgh, USA, 2008
How to get promoted

AACAP Board Review
San Mateo, USA, 2008
Genetics

Gordon Conference - Neurobiology of Brain Diseases: Circuit Dysfunction and Neurodegeneration
Oxford, UK, 2008
The Phenotype of Autism - a Genetic Perspective

8th *Career Development Institute*
Stanford, USA, 2009
How to get promoted

UCLA CART Autism Affinity Lecture
Los Angeles, USA, 2009
The Phenotype of Autism: A Genetic Perspective

Society for Research in Child Development, Biennial Meeting
Denver, Colorado, USA, 2009
A Population-based Twin Study of Autism in California

9th *Career Development Institute*
Pittsburgh, USA, 2010
How to get promoted

Meeting of the Secretary's Advisory Committee on Human Research Protections (SACHRP)
Washington DC, 2010
Research Ethics Consultation

International Meeting for Autism Research
Philadelphia, USA, 2010
A population based Twin Study of Autism in California

Research Workshop on Autism Spectrum Disorders
Doha, Qatar, 2011
Genes, Genes, and More Genes – Finding the Right Fit

Epigenetics of Autism Spectrum Disorders
Washington DC, USA, 2011
Autism – Challenges to Etiologic Research

Joint Academic Conference on Autism Spectrum Disorders
Tokyo, Japan, 2011
Results and Suggestions from Genome Wide Association Studies

1st International Conference on Autism – Accepting the Difference
Muscat, Oman, 2012
California Autism Twin Study

1st International Conference on Consanguinity
Muscat, Oman, 2012
The Genetics of Autism

Using Patient-Derived Reprogrammed Cells for
Biological and Therapeutics Discovery in Mental Illness
NIMH Workshop, Bethesda, USA 2012
Induced Pluripotent Stem Cells to Study Autism Spectrum Disorders

NINDS Autism- Epilepsy Workshop
Bethesda, Maryland, USA, 2012
Autism and Epilepsy – Risk Genes and Molecular Pathways

Waisman Center John D Wiley Seminar Series
Madison, Wisconsin, USA, 2012
Autism – of Twins and Genes

CONFERENCE ORGANISER

4th Australasian Schizophrenia Conference,
Fremantle, Western Australia, 1996
Workshop on the Genetics of Psychiatric Disorders

Human Genetics - Diversity and Disease
Conference of the Australasian Society of Human Genetics
Fremantle, Western Australia, Australia, 1997

Minding the Brain in the 21st Century
34th Congress of the Royal Australian and New Zealand College of Psychiatrists
Perth, Western Australia, 1999

1st, 2nd, 3rd , 4th Annual Autism Spectrum Disorder Update
Stanford, CA, USA, 2008, 2009, 2010, 2011, 2012

TEACHING

COURSE DIRECTOR

With Dr Hardan: Neuroscience/Neuroanatomy for Child Psychiatry Residents

With Dr Sophia Colamarino) Human Biology - Autism Spectrum Disorders held in Fall Quarter.

GRANT SUPPORT

Tissue Collection for Disease Modeling (Hallmayer)
06/01/13 – 05/31/15
California Institute for Regenerative Medicine (CIRM)
Induced pluripotent stem cells from children with autism spectrum disorders

In this study our goal is to contribute blood and skin samples for hiPSC research from 200 children with an ASD and 100 control subjects to the CIRM repository. These cells will be made available to the wider research community for hiPSC research. All subjects will be assessed using a protocol that provides a thorough clinical picture as well as measurement of the intellectual abilities of the participants. This resource will enable research on hiPSC-derived neurons on a scale and depth that is unmatched anywhere else in the world.

R33 MH087898 (Hallmayer) 09/01/09-05/31/13 0.6 CM
NIMH $262,365
Exploring the Neuronal Phenotype of Autism Spectrum Disorders Using Induced Pluripotent Stem Cells
The goal of this project is to develop the methods to convert skin cells from patients with autism into neurons and to characterize these neurons using high content screens. These experiments will allow researchers to study the neurons of individuals diagnosed with autism and will lead to a better understanding of the development and differentiation of neurons.

R01 MH083972-03 (Hardan) 02/01/09 - 12/30/13 0.84 CM
NIMH $390,973
A Neuroimaging Study of Twin Pairs with Autism
This investigation examines brain anatomy and metabolism in monozygotic and dizygotic twins with autism along with cognitive and behavioral correlates using multimodal imaging techniques including structural MRI, diffusion tensor imaging, and proton spectroscopy.

P50 HG00338908 (Cho) 07/01/04-02/28/15 0.6 CM
NIH $670,652
Center for Integrating Ethics in Genetics Research
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.

R01 MH050047 (Reiss) 07/01/07-06/30/12 0.24 CM
NIMH $413,571
Longitudinal Outcomes and Neuroimaging of Fragile X Syndrome
Goal: 1) To use a longitudinal, prospective experimental design (with "Time 1" and "Time 2" assessments) to elucidate the developmental trajectory of cognitive, behavioral and emotional development in probands with fraX compared to their like-gender siblings; 2) to specify the longitudinal trajectory of hypothalamic-pituitary-adrenal (HPA) function and measures of FMR1 gene expression in probands with fraX; and 3) to utilize neuromaging techniques to specify the trajectory of brain structure and function in children with fraX compared to specific age-, gender, handedness-, SES- and lQ-matched control groups.

P50 NS023724 (Mignot) 08/15/06-7/31/16 1.02 CM

NINDS $1,003,588
Center for Narcolepsy and Related Disorders
Project F: Genomic Analysis in Narcolepsy-Cataplexy
To conduct a genome scan in 50 well characterized multiplex narcolepsy families and to conduct cSNP genome-wide association study in 250 well characterized trios.

MH080957 (Mignot) 09/15/07 – 05/31/12 0.54 CM
NIMH $256,302
Molecular Genetics of Kleine-Levin Syndrome
To conduct a genome wide association study in 200 trios to identify a major KLS genetic susceptibility locus; a sub-analysis will be performed on 40 Jewish trios to take advantage of the potential founder effect; will pursue regions of association through fine mapping and *in silico* analysis of gene content; to identify and characterize candidate genes within the critical regions and identify variants in KL S patients.

DP2 OD004445 (Kesler) 9/30/08-8/31/13 0.36 CM
NIH $300,000
Assessment and Treatment of Cognitive Deficits in Breast Cancer
This study will determine the neurobiologic and genetic correlates of cognitive deficits in women with breast cancer as well as examine programs for rehabilitating these deficits.

Sorenson Molecular Genealogy Fdn (Hallmayer) 9/1/06-06/30/12 0.12 CM
Private Foundation $60,000
Targeting novel y-chromosome binary polymorphisms

R01 MH087756 (Das) 9/1/09-8/31/12 2.4 CM
NIMH $250,000
CRCNS: Ontology-Based Multi-Scale Integration of the Autism Phenome
Development of the Phenologue, a novel knowledge-based technology that can support collaborative efforts to acquire, manage, and reason about a disease phenome given experimental data and published findings. The research team will use the Phenologue to integrate data and knowledge from multiple lines of research on autism spectrum disorders.

R01HL09492-01A1 (Krystal) 10/1/09 – 6/30/13 0.24 CM
Duke University Subcontract/NIH Prime $62,879
Biomarkers of the Response to CBT for Insomnia in Major Depression
The study goal is to develop non-REM EEG and genetic predictors of the CBT response in MDD, and also improve the understanding of homeostatic and arousal-related mechanisms that play a role in sleep disturbance in insomnia and are targeted by the components of CBT.

Simon's Foundation (O'Hara) 10/1/10 – 9/30/12 0.36 CM
Private Foundation $126,645
Characterizing the Type, Severity and Impact of Sleep Disorders in ASD
To use a combination of standard and novel objective assessments of sleep including polysomnography to examine and improve current approaches for characterization of sleep disorders in children with autism spectrum disorders.

106956 (Hallmayer) 03/01/12 – 02/28/15 0.24 CM
Alberta Heritage Foundation for Medical Research $5,172

Genomic Influence on Developmental Course and Outcomes in Infants at Risk of ASD: A BRSC Study