

CURRICULUM VITAE

JOSEPH PIVEN, M.D.

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Personal Information

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Birthdate: November 2, 1954

Birthplace: Baltimore, Maryland

Languages Spoken: English, Spanish

Current Position

Sarah Graham Kenan Professor of Psychiatry, Pediatrics, and Psychology
Director, Neurodevelopmental Disorders Research Center
Founding Director, Carolina Institute for Developmental Disabilities

Education

1972-1976	B.S. with honors Psychology	University of Maryland College Park, Maryland
1977-1981	M.D., Medicine	University of Maryland Medical School Baltimore, Maryland

Postgraduate Training

1981-1982	Internship, Internal Medicine	Good Samaritan Hospital Phoenix, Arizona
1982-1985	Residency, Psychiatry	Johns Hopkins Hospital Baltimore, Maryland

1984-1985 (6months)	Registrar to Professor Michael Rutter	Children's Department Maudsley Hospital London, England
1984-1986	Fellowship, Child and Adolescent Psychiatry	Johns Hopkins Hospital Baltimore, Maryland
1986-1988	Fellowship, Psychiatric Genetics Supervisor, Susan Folstein	John Merck Scholars Program in Development Disabilities Johns Hopkins University Baltimore, Maryland
1986-1988	26 credits towards MS in Epidemiology	Regular Special Student Department of Epidemiology Johns Hopkins University Sch Hygiene & Public Health Baltimore, Maryland

Professional Experience

1985-1986	Chief Resident Child and Adolescent Psychiatry	Johns Hopkins Hospital
1987-1991	Active Staff, Psychiatry	Johns Hopkins Hospital
1987-1988	Instructor, Child and Adolescent Psychiatry	Johns Hopkins University School of Medicine
1988-1991	Assistant Professor, Psychiatry	Johns Hopkins University School of Medicine
1991-1994	Assistant Professor, Psychiatry	University of Iowa College of Medicine
1994-1999	Associate Professor, Psychiatry	University of Iowa College of Medicine
1999-1999	Professor, Psychiatry	University of Iowa College of Medicine
1999-present	Professor, Psychiatry,	University of North Carolina School of Medicine

1999-present	Director, University of North Carolina, Neurodevelopmental Disorders Research Center	University of North Carolina School of Medicine
2000-present	Fellow, Frank Porter Graham Child Development Institute	University of North Carolina
2000-present	Member, University of North Carolina Neuroscience Center	University of North Carolina School of Medicine
2001-present	Director, NIH T-32 Post-Doctoral Research Training Program, Neurodevelopmental Disorders Research Center	University of North Carolina
2002-present	Professor, Pediatrics	University of North Carolina School of Medicine
2003-present	Primary Faculty, Annual seminar in Neurobiology entitled "Autism"	University of North Carolina Graduate School
2006-present	Research Professor, Psychology	University of North Carolina
12/2006-01/2007	Lady Day Visiting Professor	Hebrew University, Israel
July 1, 2007-present	Sarah Graham Kenan Professor of Psychiatry, Pediatrics, and Psychology	
July 1, 2007-present	Founding Director, Carolina Institute for Developmental Disabilities	

Board Status

National Board of Medical Examiners, 1982	No. 250661
American Board of Psychiatry and Neurology, General Psychiatry, 1986	No. 28526
American Board of Psychiatry and Neurology, Child and Adolescent Psychiatry, 1988	No. 2332

Licensure Status

Maryland	1982-1991	Permanent	D28443
Iowa	1991-2000	Permanent	27941
North Carolina	1999-2005	Permanent	9901290

Societies

American Academy of Child and Adolescent Psychiatry
 American Society of Human Genetics
 Psychiatric Genetics Society
 Society for Neuroscience
 Autism Society of America
 International Society for Autism Research

Professional Service

Ad Hoc Examiner: Child Psychiatry Boards
 American Board of Psychiatry and Neurology
 American Academy of Child and Adolescent Psychiatry
 American Journal of Psychiatry
 American Journal of Medical Genetics
 Archives of General Psychiatry
 Biological Psychiatry
 Brain Dysfunction
 Canadian Journal of Psychiatry
 Genomics
 European Child and Adolescent Psychiatry
 Journal of Child Psychology and Psychiatry
 Journal of Nervous and Mental Disease
 Journal of Autism and Developmental Disorders
 Journal of Psychiatric Research
 Life Sciences
 Neurology
 Pediatrics
 Psychiatric Genetics
 The Journal of the American Medical Association
 Molecular Psychiatry

Grant Review – Ad Hoc

National Institute of Health
 William T. Grant Foundation
 Medical Research Council of Canada
 United States-Israel Binational Science Foundation, 2008
 The Wellcome Trust
 Autism Speaks
 “Special Emphasis Panel” Study Section Review for NINDS, February 2006
 Reviewer on NICHD Special Emphasis Panel for Mental Retardation and Development
 Disabilities Research Center

Editorial Boards

1995-2001	Journal of the American Academy of Child and Adolescent Psychiatry
1999-2007	American Journal of Medical Genetics – Neuropsychiatric Genetics
1999-present	Mental Retardation and Developmental Disabilities Research Reviews
2000-present	Journal of Autism and Developmental Disorders
2002-present	International Journal of Developmental Neuroscience

International and National Local Committees

1997-present	Autism Society of America Scientific Advisory Board
2000-2001	Program Committee of the First International Meeting for Autism Research (IMFAR)
2001-present	ARC of Orange County, Board of Directors
2002-present	Chair, International Society for Autism Research Nominations Committee
2004-2005	Chair, NIH STAART Centers Executive Committee
2006	Member, 2006 NIH Autism Matrix
2006-present	Member, American College of Neuropsychopharmacology (ACNP)
2007	NIMH Autism Strategic Planning “Brainstorming” Meeting
2007	Member, DSM V Autism and Other PDD Work Group
2008	NIH IACC Strategic Planning Workshops for Autism
2008	Conference Organizer, Keystone Conference, Santa Fe, New Mexico, “Towards Identifying the Pathophysiology of Autistic Syndromes”
2008	Consultant, Shafallah Center Genetics Department, Doha, Qatar 3 rd Annual International Forum on Children with Special Needs “Sports and Ability”

Hospital and University Committees

1994-1999	Assistant Professors Promotions Committee Department of Psychiatry, University of Iowa
1998-1999	Finance Committee and Research Committee Department of Psychiatry, University of Iowa
2000-present	Chair, Executive Committee, Neurodevelopmental Disorders Research Center
2000-present	Dean’s Advisory Committee, UNC School of Medicine
2001-present	Center for Development and Learning, Medical School Oversight Committee
2002-2004	Advisory Committee for the Office of Postdoctoral Services, UNC
2002-present	Advisory Board, Duke-UNC Brain Imaging and Analysis Center
2003	UNC Imaging Task Force; Stephen M. Pizer, Ph.D., Chair

2004-present	Advisory Board of the UNC Biomedical Research Imaging Center (BRIC)
2005	5 year Review Committee of the UNC Chair of Pediatrics
2005-2008	UNC School of Medicine Dean's Research Advisory Committee
2006-present	UNC School of Medicine Neurology Chair Search

Honors and Awards

NIMH Scientist Development Award for Clinicians (R01) 1992-97

Phi Beta Kappa

NIMH Independent Scientist Award (K02) 1998-2003

Best Doctors 1996-present

“2007 Eugene A. Hargrove Award for Outstanding Performance in Mental Health Research” awarded by the Psychiatric Foundation of North Carolina

2008 Faculty Member within Faculty of 1000 Medicine

Teaching Responsibilities

Lectures/Seminars

1988-1991	Seminar: Autism	4/yr.	one hour
1989-1991	Course: Risk and Protective Factors in Child Adolescent Psychopathology		wkly over 4 mos.
	Course: Developmental Psychopathology		wkly over 4 mos
1991-1994	Medical student Year two lecture	1/yr	one hour
1991-1996	Child Psychiatry (R3/4) Seminar	3/yr.	one hour
	R3/4 Neuroscience Seminar	1/yr	one hour
1992-1999	Medical student Year three seminar	6/yr.	one hour
1993-1999	Course Director: Risk and Protective Factors course Spring (even years) for Child Fellows		
1995-1999	Medical Student Year 1 Genetics Seminar	4/yr.	two hours
1997-1999	Medical Student	1/yr.	one hour

Year 1 Neuroscience Center

1999-present	Teaching Seminars on Mental Retardation and For PGY3 UNC Psychiatry Residents
2000-2001	Seminar to Psychiatry residents on Developmental Disorders
2000-2001	Seminar to Undergraduates on Autism
2000-present	Director, NDRC Monthly Investigator Forums
2001-present	Co-Director, NDRC Postdoctoral Training Program seminar series
2002-present	UNC Psychology Undergraduate course on Autism: Lecture on the biological basis of autism
2003-present	Diseases of the Nervous System course on autism for graduate students in the UNC curriculum in Neurobiology
2004-present	Teaching Seminar, Duke University Psychiatry Residents presentation on autism and mental retardation
Spring 2006	Lecture to the second year UNC Medical Students on "Autism" as part of the 'Year 2 Psychiatry course'

Clinical Teaching

1987-1988	Inpatient Child Psychiatry Unit	12 wks.	4 hrs. /wk.
1987-present	Outpatient Psychiatry Clinic	52 wks.	4 hrs. /wk.
1989-1999	Supervision of child fellows in Individual psychotherapy and case management	52 wks	1 hr. /wk.

Mentoring**NIH K Award Mentor**

08/01/05-06/30/05	Tom Wassink, M.D. NIMH, K08 "A Multi-faceted Search for Autism Disease Genes" University of Iowa
07/01/04-2006	Kevin Pelphrey, Ph.D. NIMH, K01 MH06172 "Functional Neuroimaging of Children with Autism" University of North Carolina

2006-present Maria Escolar, M.D. – UNC Program in Translational Science

2006-present Molly Losh, Ph.D., UNC K12 Award

Post Doctoral Fellows

1997-1999 Lonnie Sears, Ph.D.
 1997-1999 Tom Wassink, M.D.
 1996-1997 Peggy Baker, M.D.
 1999-2001 Heather Cody, Ph.D.
 2000-2001 Greg Paul, M.D.
 2003-2006 Molly Losh, Ph.D.
 2003-2006 Carissa Cascio, Ph.D.
 2005-2006 Noah Sasson, Ph.D.
 2007- Deb Childress, Ph.D.

Doctoral Students/Medical Students Research

2002-present	Debra Childress	Psychology
2002-2006	Matt Mosconi	Psychology, Pre-doctoral Grant Award, National Alliance for Autism Research
2005 2006-present	Heather Baudet, Ph.D. Kimberly Hills	Medical Student UNC Program in Neurobiology, grant in transitional Medicine from the Howard Hughes Medical Institute
2006-2007	Vickie West	Psychology, Pre-doctoral Grant Awarde, National Alliance for Autism Research

Dissertation Committees

1995 Xuyang Zhang, Ph.D. – Speech Pathology, University of Iowa
 2002-2005 Heather Baudet – Neuroscience, UNC
 2001-2002 Kevin Pelphrey – Psychology, UNC
 2002-present Debra Childress – Psychology, UNC
 2004-2005 Noah Sasson – Psychology, UNC
 2005-2006 Matt Mosconi – Psychology, UNC

2005-2006 Shannon Couture – Psychology, UNC
 2007-2008 Meagan Clement – Biostatistics, UNC

Graduate Students

2006-present Jed Elison

Undergraduate Students

2002-2004	Elizabeth Misiti	Undergraduate Honors Thesis in Psychology, UNC
2004-2005	Carolyn Klystra	Summer Intern, Dartmouth College
2005	Natalie Rubinstein	Summer Intern, MIT
2006	Ayesha Kelly	Summer Intern 2nd year UNC Medical Student
2006	Sharon Weeks	Summer Intern, Princeton University

Attending on Clinical Service

Inpatient

1987-1988	Attending Psychiatrist	Child Psychiatry Unit Johns Hopkins Hospital
1991-1992	Attending Psychiatrist	Child Psychiatry Unit UIHC

Outpatient

1987-1991	Attending Psychiatrist	Child Psychiatry Clinic Johns Hopkins Hospital
1988-1989	Attending Psychiatrist	John F. Kennedy Institute for Handicapped Children Baltimore, Maryland
1989-1991	Director and Pervasive Developmental Attending Psychiatrist	Disorders Clinic Johns Hopkins Hospital
1991-1999	Director and Developmental Attending Psychiatrist	Disorders Clinic UIHC
1991-1996	Director	Outpatient Child Psychiatry Clinic UIHC

2002-present Attending Psychiatrist TEACCH UNC Autism
Clinic

Grants Funded

Current

UNC Mental Retardation and Developmental Disabilities Research Center, NICHD P30, Principal Investigator, 2003-2008, \$929,221 annual

Gene-Brain-Behavior Relationships in Autism – STAART Center, NIH U54, Principal Investigator, 2002 - 2007, \$1,215,691 annual

STAART Project 1. A Family Study of Autism and the Broad Autism Phenotype, Principal Investigator

STAART Project 2. Neuroimaging of Autism Co- Investigator

STAART Project 3 Novel Approaches to the Molecular Genetics of Autism, Subcontract (Thomas Wassink, PI) Principal Investigator

Longitudinal MRI Study of Brain Development in Fragile X, NIH - R01, Principal Investigator, 2002 - 2008, \$516,931 annual direct

Postdoctoral Research in Neurodevelopmental Disorders, NIH T32, Principal Investigator, 2001 - 2011, \$254,856 annual direct

A Molecular Genetic Study of Autism and Related Phenotypes in Extended Pedigrees, NIH R01, Principal Investigator, 2007-2012, \$392,867 annual direct

Neurodevelopment Processes of Social Cognition in Anorexia Nervosa and Autism NIH R01, Co- Investigator (Nancy Zucker, PI), 2006-2008, \$153,000

Neural Circuitry of Social Cognition in the Broad Autism Phenotype NIMH R01, Principal Investigator, 2007-2012, \$470,525 annual direct

A Longitudinal MRI Study of Infants at Risk for Autism (ACE Network) NIH, R01, Principal Investigator, 2007-2012, \$2,478,911 annual direct

A Pilot MRI Study of Infants at High Risk for Autism
Cure Autism Now (Heather Cody-Hazlett, PI) (Joseph Piven, Co-Investigator for no support), 2007-2009

MRI Study of Brain Development in School Age Children with Autism
Autism Speaks (Heather Cody-Hazlett, PI) (Joseph Piven, Co-Investigator for no support), 9/2007-8/2010

North Carolina Center for Excellence for Autism and Developmental Disabilities
Epidemiology

Centers for Disease Control and Prevention, Co-Investigator (Julie Daniels, PI)
09/30/06-09/29/11, FY06 \$1,012,060 direct & indirect.

Completed

A Family Study of Multiple Incidence Autism Families, NIH K01 Award, Principal Investigator, 1992-1997, \$91,185

Pathogenesis of Autism: Towards an Integrated Approach, NIH K02, Principal Investigator, 1998-2003, \$91,222

Magnetic Resonance Imaging in Autism: Examination of Cerebral Cortical Malformations, March of Dimes, Principal Investigator, 1992-1994, \$80,000

A Family Study of Autism, NIH First Award, Principal Investigator, 1993-1998, \$69,9771

Collaborative Linkage Study of Autism, NIH R01, Principal Investigator, 1996-1999, \$392,193

Collaborative Linkage Study of Autism, NIH - R01, Principal Investigator, 1999-2004, \$582,161

Child Development and Mental Retardation Center, NICHD P30, Principal Investigator, 1999-2003, \$712,122

A Longitudinal MRI Study of the Brain in Autism, NIH - R01, Principal Investigator, 1999-2006, (no cost extension, \$363,962 annual direct)

Infrastructure to Facilitate Discovery of Autism Genes, NIH - R01, Principal Investigator of subcontract, (Joachim Hallmayer, PI) 2002 - 2007, \$20,977 annual direct

Molecular Genetics of Autism, NIH R01, Principal Investigator of subcontract, (Thomas Wassink, PI), 2002 - 2007, \$1,250,000

Social Perception in Young Children with Autism, Pre-doctoral Mentor, Matt Mosconi, National Alliance for Autism Research, Principal Investigator, 2005-2006, \$26,000 annual

fMRI and Electrophysiological Studies of Autism, Predoctoral Mentor, Vickie West, National Alliance of Autism Research, Principal Investigator, 2006-2007

Publications

Articles

1. **Piven J**, Gayle J, Chase G, Fink B, Landa R, Wzorek M, Folstein S. A family history study of neuropsychiatric disorders in the adult siblings of autistic individuals, Journal of the American Academy of Child and Adolescent

- Psychiatry, 29:177-183, 1990. (Reprinted in Japanese for: Advances in: Research on Autism and Developmental Disorders).
2. **Piven J**, Starkstein S, Berthier M. Temporal lobe atrophy versus open operculum in Asperger's Syndrome, British Journal of Psychiatry, letter to the editor, September, 1990.
 3. **Piven J**, Tsai G, Nehme E, Coyle JT, Chase GA, Folstein SE. Platelet serotonin, a possible marker for familial autism, Journal of Autism and Developmental Disorders, 21:51-59, 1991.
 4. **Piven J**, Landa R, Gayle J, Cloud D, Chase G, Folstein SE. Psychiatric disorders in the parents of autistic individuals, Journal of the American Academy of Child and Adolescent Psychiatry, 30:471-478, 1991.
 5. Folstein SE and **Piven J**. Etiology of autism: Genetic influences, Pediatrics, vol. 87(5): 767-773, 1991 (supplement).
 6. **Piven J**, Gayle J, Landa R, Wzorek M, Folstein S. The prevalence of Fragile X in a sample of autistic individuals diagnosed using a standardized interview, Journal of the American Academy of Child and Adolescent Psychiatry vol. 30(5):825-830, 1991.
 7. **Piven J**, Berthier ML, Starkstein SE, Nehme E, Pearlson G, Folstein S. Magnetic resonance imaging in autism: Evidence for a defect of cerebral cortical development, American Journal of Psychiatry, 147:734-739, 1990. Reprinted in Annual Progress in Child Psychiatry and Child Development 1991, edited by Stella Chess, M.D., and Margaret E. Hertzog, M.D., Brunner/Mazel, New York, p. 455-465, 1992.
 8. Landa R, **Piven J**, Wzorek MM, Gayle JO, Chase GA, Folstein SE. Social language use in the parents of autistic individuals, Psychological Medicine, 22:245-254, 1992.
 9. **Piven J**, Nehme E, Simon J, Barta P, Pearlson G, Folstein S. Magnetic resonance imaging in autism: Measurement of the cerebellum, pons, and fourth ventricle, Biological Psychiatry, 31:491-504, 1992.
 10. **Piven J**, Simon J, Chase G, Wzorek M, Landa R, Gayle J, Folstein S. The etiology of autism: Pre-, peri- and neonatal factors, Journal of the American Academy of Child and Adolescent Psychiatry, 32(6):1256-1263, 1993.
 11. Baker P, **Piven J**, Schwartz S, Patil S. Brief Report: Duplication of chromosome 15q11-13 in two individuals with autistic disorder, Journal of Autism and Developmental Disorders, 24(4):529-535, 1994.

12. **Piven J**, Wzorek M, Landa R, Lainhart J, Bolton P, Chase GA, Folstein S. Personality characteristics of the parents of autistic individuals, Psychological Medicine, 24:783-795, 1994.
13. Lainhart JE, **Piven J**. Diagnosis, treatment, and neurobiology of autism in children. Current Opinion in Pediatrics, 7:392-400, 1995.
14. **Piven J**, Arndt S. The cerebellum in autism, Letter to the Editor, Neurology, 45:398-399, 1995.
15. **Piven J**, Arndt S, Bailey J, Havercamp S, Andreasen N. An MRI study of brain size in autism, American Journal of Psychiatry 152:1145-1149, 1995. Reprinted in Advances in Research on Autism and Developmental Disorders ed. M. Rutter, A. Schopler, R. Takagi, 1996; and selected by the Japanese Society for the Promotion of Research on Autism as one of the five most important articles of 1995.
16. **Piven J**, Arndt S, Bailey J, Andreasen N. Regional Brain Enlargement in Autism: An MRI Study, Journal of the American Academy of Child and Adolescent Psychiatry, 35:530-536, 1996.
17. Swayze VW, Johnson VP, Hanson JW, **Piven J**, Sato Y, Giedd JN, Mosnik D, Andreasen NC. Magnetic resonance imaging of brain anomalies in fetal alcohol syndrome, Pediatrics, 99:232-240, 1996.
18. Jones M, Szatmari P, **Piven J**. Nonfamiliarity of the sex ratio in autism, American Journal of Medical Genetics, 67(5):499-500, 1996.
19. **Piven J**, Harper J, Arndt S. Course of behavioral change in autism: a retrospective study of high-IQ adolescents and adults, Journal of the American Academy of Child and Adolescent Psychiatry, 35:523-9, 1996.
20. Lainhart J, **Piven J**, Wzorek MA, Landa R, Santangelo S, Leon H, Folstein S. Macrocephaly in children and adults with autism, Journal of the American Academy of Child and Adolescent Psychiatry, 36(2):282-289, 1997.
21. **Piven J**, Bailey J, Ranson BJ, Arndt S. An MRI study of the corpus callosum in autism, American Journal of Psychiatry, 154:1041-1056, 1997. (Reprinted in "Coleccion Trabajos Distinguidos, Serle Psiquiatria" Volumen 2, Numero 2, Diciembre 1997) (Reprinted in Japanese for: Advances in: Research on Autism and Developmental Disorders).
22. **Piven J**, Jacobi D, Childress, Arndt S. Broader autism phenotype: evidence from a family history study of multiple-incidence autism families. American Journal of Psychiatry, 154:185-190, 1997.

23. **Piven J**, Saliba K, Bailey J, Arndt S. An MRI study of autism: The cerebellum revisited. Neurology, 49:546-551, 1997.
24. **Piven J**. Cognitive deficits in parents from multiple-incidence autism families. Journal of Child Psychology and Psychiatry, 38:1011-1021, 1997.
25. **Piven J**, Landa R, Santangelo S, Jacobi D, Childress D. Personality and language characteristics in parents from multiple-incidence autism families. American Journal of Medical Genetics, 74:398-411, 1997.
26. **Piven J**: The Biological Basis of Autism. Current Opinion in Neurobiology, 7:708-712, 1997.
27. **Piven J**, Bailey J, Ranson BJ, Arndt S. No difference in hippocampus volume detected on MRI in autistic individuals, Journal of Autism and Developmental Disorders, 28(2):105-110, 1998.
28. Baker P, **Piven J**, Sato Y. Autism and tuberous sclerosis complex: Prevalence and clinical features, Journal of Autism and Developmental Disorders, 23(4):279-285, 1998.
29. Folstein S, Bisson J, Santangelo S, **Piven J**. Finding specific genes that cause autism: A combination of approach will be needed to maximize power. Journal of Autism and Developmental Disorders, 28(5):439-445, 1998.
30. Sears L, Vest C, Mohamed S, Bailey J, Ranson B and **Piven J**. An MRI Study of the Basal Ganglia in Autism. Progress in Neuropsychopharmacology in Biological Psychiatry, 23: 613-624, 1999.
31. Collaborative Linkage Study of Autism Group: Barrett S, Beck J, Bernier R, Bisson E, Braun T, Casavant T, Childress D, Folstein S, Garcia M, Gardiner M, Gilman S, Haines J, Hopkins K, Landa R, Meyer N, Mullane J, Nishimura D, Palmer P, **Piven J**, Purdy J, Santangelo S, Searby C, Sheffield V, Singleton J, Slager S, Struchen T, Svenson S, Vieland V, Wang K, Winklsoky B: An autosomal genomic screen for Autism. American Journal of Medical Genetics – Neuropsychiatric Genetics, 88:609-615, 1999. (Republished American Journal of Medical Genetics, 105(8):609-15, 2001 Dec.)
32. **Piven J**. An MRI Study of Autism: The cerebellum revisited. - Reply from the Authors (Letter to Editor). Neurology, 52(5):1106-1107, 1999.
33. **Piven J**. Psychiatric disorder and the broad autism phenotype: evidence from a family study of multiple-incidence autism families. American Journal of Psychiatry, 156:557-63, 1999.

34. **Piven J**, Genetic liability for autism: The behavioral expression in relatives. The International Review of Psychiatry, 11: 299-308, 1999.
35. Folstein SE, Santangelo LS, Gilman SE, **Piven J**, Landa R, Hein J, and Wzorek M. Predictors of cognitive Test Patterns in Autism Families. Journal of Child Psychology and Psychiatry, 40(7): 1117-1128, October 1999.
36. Manes F, **Piven J**, Vrancic D, Nanclares V, Plebst C, and Starkstein S. An MRI Study of the corpus callosum and cerebellum in mentally retarded autistic individuals. Journal of Neuropsychiatry and Clinical Neurosciences, 11(4):470-474, 1999.
37. Murphy M, Bolton P, Pickles A, Fombonne E, **Piven J**, Rutter M. Personality traits of the relatives of autistic probands. Psychological Medicine. 30:1411-1424, 2000.
38. Starkstein SE, Vazquez A, Vranic D, Nanclares V, Manes F, **Piven J**, Plebst C. SPECT Findings In Mentally Retarded Autistic Individuals. Journal of Neuropsychiatry and Clinical Neurosciences 12(3):370-5, 2000.
39. **Piven J**. The Broad Autism Phenotype: A Complementary Strategy for Molecular Genetic Studies of Autism. American Journal of Medical Genetics. 105:34-35, 2001.
40. Adolphs R, Sears L, **Piven J**. Abnormal Processing of Social Information from Faces in Autism. Journal of Cognitive Neuroscience, 13(2): 232-240, 2001.
41. Wassink, T, **Piven J**, Patil SR. Chromosomal abnormalities in a clinic sample of individuals with autistic disorder. Psychiatric Genetics, 11(2):57-63, 2001.
42. Collaborative Linkage Study of Autism Group: Bradford Y, Haines J, Hutcheson H, Gardiner M, Braun T, Sheffield V, Cassavant T, Huang W, Wang K, Vieland V, Folstein S, Santangelo S, **Piven J**. Incorporating Language Phenotypes Strengthens Evidence of Linkage to Autism. American Journal of Medical Genetics- Neuropsychiatric Genetics, 105(6):539-547, 2001 August. (Republished American Journal of Medical Genetics 105(8):539-47, 2001 Dec.)
43. Nurmi EL, Bradford Y, Chen Y-h, Arnone B, Gardiner MB; Hutcheson HB, Gilbert JR; Pericak-Vance MA, Sopoland-Yates SA, Michaelis RC, Wassink TH, Santangelo SL, Sheffield VC, **Piven J**, Folstein SE, Haines JL, Sutcliffe JS. Linkage Disequilibrium at the Angelman Syndrome Gene UBE3A in Autism Families. Genomics, 77(1-2):105-113, 2001.
44. Wassink T, **Piven J**, Vieland V, Huang J, Swiderski R, Pietila J, Braun T, Beck G, Folstein SE, Haines JL, Sheffield V. Evidence Supporting WNT2 as an Autism Susceptibility Gene. American Journal of Medical Genetics – Neuropsychiatric Genetics, 105:406-413, 2001.

45. Wassink TH, **Piven J**, Vieland VJ, Pietila J, Goedken RJ, Folstein SE, Sheffield VC. Evaluation of FOXP2 as an Autism Susceptibility Gene. American Journal of Medical Genetics (Neuropsychiatric Genetics), 114:566-569, 2002.
46. Cody H., Pelphrey K., and **Piven J**. Structural and functional magnetic resonance imaging of autism. International Journal of Developmental Neuroscience 20:421-438, 2002.
47. **Piven J**. Introduction to the Special Section Contribution of the UNC Neurodevelopmental Disorders Research Center (NDRC). International Journal of Developmental Neuroscience, 20(3-5): 395, 2002.
48. Pelphrey KA, Sasson NJ, Reznick JS, Paul G, Goldman BD, **Piven J**. Visual Scanning of Faces in Adults with Autism. Visual Scanning of Faces in Autism. Journal of Autism and Developmental Disorders, 32:249-61, 2002.
49. Wassink TH, **Piven J**, Vieland VJ, Pietila J, Goedken RJ, Folstein SE, Sheffield VC. Examination of AVPR1a as an Autism Susceptibility Gene. Mol Psychiatry, 9:968-72, 2004.
50. Moy SS, Nadler JJ, Perez A, Barbaro RP, Johns JM, Magnuson TR, **Piven J**, Crawley JN. Sociability and preference for social novelty in five inbred strains: an approach to assess autistic-like behavior in mice. Genes, Brain and Behavior, 3:287-302, 2004.
51. Nadler J, Moy S, Dold G, Trang D, Simmons N, Perez A, Young N, Barbaro R, **Piven J**, Magnuson T, Crawley J. Automated Apparatus for Rapid Quantitation of Autism-like Social Deficits in Mice. Genes, Brain and Behavior, 3:303-14, 2004.
52. **Piven J**. Preface. Mental Retardation and Developmental Disabilities Research Reviews, December 2004.
53. Wassink TH, **Piven J**, Vieland V, Jenkins L, Frantz R, Bartlett C, Goedken R, Childress D, Spence MA, Smith M, Sheffield V. Evaluation of the Chromosome 2q37.3 gene CENTG2 as an Autism Susceptibility Gene. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 136:36-44, 2005.
54. Wassink TH, Losh M, Frantz RS, Vieland VJ, Goedken R, **Piven J**, Sheffield VC. A Case of Autism and Uniparental Disomy of Chromosome 1. Human Genetics, 117:200-6, (Epub 2005 May 11) July 2005.
55. Ross AK, Hazlett HC, Garrett NT, Wilkerson C, Piven J. Moderate Sedation for MRI in Young Children with Autism. Pediatric Radiology, 35:867-71, (Epub 2005 May 19) September 2005.

56. Hazlett HC, Poe MD, Gerig G, Smith RG, Provenzale J, Ross A, Gilmore J, **Piven J**. Magnetic resonance imaging and head circumference study of brain size in autism: birth through age two years. The Archives of General Psychiatry. 62(12): 1366-76, December 2005.
57. Hazlett HC, Poe MD, Gerig G, Gimpel R, **Piven J**. Cortical gray and white brain tissue volume in adolescents and adults with autism. Biological Psychiatry, 59:1-6, January 2006.
58. Yushkevich PA, **Piven J**, Cody HC, Smith RG, Ho S, Gee JC, Gerig G. User-guided 3D active contour segmentation of anatomical structures: Significantly improved efficiency and reliability. NeuroImage, 31(3); 1116-28 (Epub 2006 March 20) July 2006.
59. Mosconi M, Zwaigenbaum L, **Piven J**. Structural MRI in autism: Findings and future directions Clinical Neuroscience Research Volume 6, Issues 3-4, pages 135-144, October 2006.
60. Neumann D, Spezio M, **Piven J**, Adolphs R. Here's Looking at you in the mouth: abnormal gaze in autism resulting from impaired top-down modulation of visual attention. Social Cognitive and Affective Neuroscience, November 2006.
61. Hurley RSE, Losh M, Parlier M, Reznick JS, and **Piven J**. The Broad Autism Phenotype Questionnaire. Journal of Autism and Developmental Disorders (Epub 2006 December 5).
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Abstracts

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19. Cody H, Keyes-Elstein L. and **Piven J.** Gray and White Matter Volume on MRI in Autism, International Meeting for Autism Research, San Diego, CA, November 2001.
20. Pelphrey K, Goldstein J, Reznick S, **Piven J**, Allison T, McCarthy G. Brain Activation Evoked by the Perception of Gaze Shifts: Influences of Timing and Context, Poster presented at the Cognitive Neuroscience Meeting, San Francisco, CA, 2002.
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23. Wassink, Sheffield V.C., **Piven J.**, Patil S.R.. 1) Dept Psychiatry, Carver Coll Med, Univ Iowa, Iowa City, IA; 3) Howard Hughes Medical Institute; 4) Dept. Psychiatry, Univ North Carolina, Chapel Hill, NC. Molecular delineation of

two chromosomal abnormalities in autism. Meeting of the American Society of Human Genetics, Toronto, CA, October 2004.

24. Patil S., Westin E., Frantz R., Ashley E., **Piven J.**, Sheffield V., Wassink T. 1) Department of Pediatrics, Div Medical Genetics, University of Iowa, Iowa City, IA; 2) Department of Psychiatry, University of Iowa, Iowa City, IA; 3) Department of Psychiatry, University of North Carolina, Chapel Hill, NC. Molecular cytogenetic and CGH-array studies in patients with autistic disorder. Meeting of the American Society of Human Genetics, Toronto, CA, October 2004.
25. Mosconi M, Pelphrey K, Cody-Hazlett H, Reznick S and **Piven J.** Face processing and social perception in typically developing preschoolers. Poster accepted for the annual convention of the Society for Research of Child Development, Atlanta GA, April 2005.
26. Neumann D, Spezio ML, Hurley RSE, **Piven J.**, Adolphs R. Visual attention to emotional faces: comparing autism with a bottom-up computational model. Soc Neurosci Abstr., Society for Neuroscience annual meeting, Washington DC, Nov 12-16, 2005.
27. Gerig G, Gilmore J, Jomier M, Joshi S, **Piven J.** Computational Anatomy to Assess Growth Patterns of Early Brain Development in Healthy and Disease Populations.
28. Wassink T, Cody H, Mosconi M, Epping E, **Piven J.** Cortical and Amygdala Overgrowth in Autism Associated with 5-HTTLPR. Neuropsychopharmacology, September 2005.
29. Goedken R, Sutcliffe, Pericak-Vance P, Szatmari P, Betancur C, Hallmayer J, **Piven J.**, Buxbaum J. Poster presented at the annual meeting of the American Society of Human Genetics, October 2006.

Book Reviews

1. The Concise Guide to Child and Adolescent Psychiatry, Mina Dulcan, Charles Popper, American Psychiatric Press, Inc., Washington, D.C., 1991, American Journal of Psychiatry, vol. 149, no. 2, p. 261, Feb., 1992.
2. Genetics of Human Mentality, Jon Karlsson, Praeger Publishers, NY, 1991, Journal of Nervous and Mental Disease, vol. 180, no. 7, July, 1992.
3. Understanding Other Minds: Perspectives from Autism, Simon Baron-Cohen, Helen Tager-Flusberg, and Donald J. Cohen (ed.), Oxford University Press, 1993, American Journal of Psychiatry, October, 1995.

4. Development Through Life: A Handbook for Clinicians, Michael Rutter and Dale Hay (ed.), Blackwell Scientific Publications, 1994, American Journal of Psychiatry, 1995.
5. Textbook of Child and Adolescent Psychiatry, Jerry Weiner (ed.), American Psychiatric Press, Inc., Washington, D.C., 1992, American Journal of Psychiatry (in press).
6. Autism and Asperger Syndrome, Uta Frith (ed.), Press Syndicate University of Cambridge, Cambridge, Great Britain, 1991, American Journal of Psychiatry (in press).

Presentations at National/International Meetings and Invited Presentations

Meeting of the National Society for Autistic Adults and Children, Detroit, Michigan. July, 1987. Recurrence Risk in Autism: Follow Up on a Sample of Kanner's Cases.

Merck Foundation Symposium, Washington, D.C. October, 1987. A Genetic Family Study of Autism.

Meeting of the Iowa Autism Society, Des Moines, Iowa. April, 1991. New Research Findings in Autism.

Department of Speech and Language Sciences--Proseminar, University of Iowa. March, 1992. The Etiology of Autism.

Meeting of the Iowa Autism Society. April, 1992. The Diagnosis of Autism.

Meeting of the Iowa Psychiatric Society. October, 1992. Longitudinal Perspectives in Autism.

Meeting of the International Society for Research in Child and Adolescent Psychopathology. January 1996. Regional Brain Enlargement in Autism.

University of Vermont, Department of Psychiatry Grand Rounds, November 22, 1996. The Genetics of Autism.

NIMH Genetics of Autism Workshop, October 21, 1996. The Autism Phenotype.

Meeting of the Autism Society of America, Orlando, Florida. July, 1997. Neuroimaging in Autism; Genetic Linkage Studies of Autism.

Wayne State University Department of Psychiatry Lecture, February, 1998. Structural Imaging in Autism.

Kennedy Krieger Institute Autism Conference, March, 1998. The Broader Autism Phenotype.

Great Plains Genetics Society Meeting, March, 1998. The Genetics of Autism.

Iowa Autism Society Annual Meeting, March, 1998. The Genetics of Autism.

Princeton-Eden Institute Lecture Series on Autism, May, 1998. Towards Defining the Autism Phenotype.

Structural Imaging in Autism Invited Lecture Amersfort, Netherlands, September, 1998.

Member, NIH Workgroup on “State of the Science in Autism; Screening and Diagnosis”, June 1998.

University of Iowa Grand Rounds. Department of Pediatrics, September, 1999. Autism: The Phenotype in Relatives in Genetic Analysis Workshop, New York City, September, 1999.

American Academy of Child & Adolescent Psychiatry Institute on “The Genetics of Childhood Psychiatric Disorders”, Chicago, IL, October, 1999. Title: The Genetics of Autism.

Association of Research in Nervous and Mental Disease. 79th Annual Conference – “Genetic Aspects of Psychiatric and Neurological Disorder”, Mount Sinai, NY, November 1999.

Title: “An Update of the Genetics of Autism” Keynote address: North Carolina Autism Society, Chapel Hill, NC, November, 1999.

ACNP Annual Meeting, Acapulco, Mexico, December 1999 “Longitudinal Neuroimaging Studies of Neurodevelopmental and Neurodegenerative Disorders” and “Genetic Studies of Autism.”

John Hopkins University, Baltimore, Maryland, April, 2000. Update on Genetics of Autism.

Moses Cone Hospital, Greensboro, North Carolina. April, 2000. “Update on Autism.”

UNC Neuroscience Center, Chapel Hill, North Carolina, May 2000. "Genetics of Autism."

NDRI, Philadelphia, Pennsylvania, October 2000. Roundtable Discussion. “The Genetics of Complex Disease”.

The Autism Research Foundation, Boston, Massachusetts, October 2000. “Current Trends in Autism”.

The University of North Carolina at Chapel Hill School of Medicine Department of Psychiatry, November 2000. “Psychiatry Across the Ages: Annual Update in Psychiatry”

The Jackson Laboratory Courses and Conferences Department. December 2000. “Autistic Phenotypes in Mice”

The UNC Genetics Journal Club. March 5, 2001. “Neurobiology and Genetics of Autism.”

Spanish Parents Association for Autistic Children – APNA, May 3-5, 2001. “The Genetics of Autism”

Moderator, NIH/ACC Conference “Potential Cellular and Molecular Mechanisms in Autism and Related Disorders”. September 6-7, 2001.

Children’s Hospital of Philadelphia - February 12, 2002. “The Genetics of Autism: Disaggregating the Phenotype.”

Grand Rounds at Emory University – February 27, 2002. “The Genetics of Autism: Dissecting the Autism Phenotype.”

Mental Retardation Core Seminar Series at the University of Wisconsin-Madison, The Waisman Center – April 26, 2002. “Genetics of Autism.”

Keynote speaker, Academy on Mental Retardation annual meeting – Orlando, FL, May 30, 2002. “The Genetics of Autism: The Broader Autism Phenotype in Family Members.”

National Institutes of Health, Interagency Autism Coordinating Committee Meeting, Bethesda, Maryland. “Science Update from STAART Centers”, May 13, 2003.

Workshop Participant, "Current Directions in Autism Research", Institute for Advanced Studies, Hebrew University of Jerusalem March 15-19, 2004.

Boston University School of Medicine - April 30, 2004. “Imaging the Developing Brain in Autism.”

“A Longitudinal MRI Study of 18-35 Month Olds with Autism”, Imaging Symposium at the International Meeting for Autism Research (IMFAR), Sacramento, California 2004.

The 2004 Meeting of The American Academy of Child/Adolescent Psychiatry, “Imaging of the Developing Brain”, Autism Developmental Imaging Institute, Washington, DC - October 2004.

Alabama Autism Society Conference presentation “Towards and Integration of Gene-Brain-Behavior Relationships in Autism,” Feb 10-11, 2005.

Meeting of the Society of Biological Psychiatry - May 2005 “A Longitudinal MRI Study of Brain Development in Autism”.

Update on Research Findings in Autism. 7th Leo Kanner Lecture. Johns Hopkins University School of Medicine. June, 2005 Baltimore, Maryland

Foundation for the Education of Children with Autism (FECA) “Towards Defining the Autism Phenotype” New York November 2005.

“Update on Structural Imaging in Autism” at the Annual Mtg of The Association for Research in Nervous and Mental Disease (ARNMD), New York City, New York - December 2005.

Grand Rounds “Towards Defining the Autism Phenotype” at the University of Florida Department of Psychiatry in Gainesville, FL, February 24, 2006.

Annual Simpson-Ramsey Lectureship “Towards Defining the Autism Phenotype” at the University of Alabama, Birmingham, March 30, 2006.

Institute of Psychiatry, London England, “Update on Longitudinal MRI Study of two years of Two-years with Autism” April 2006.

Paris Conference on “Hope and Research in Autism” entitled “Imaging the Developing Brain Autism, October 2006.

Weill Cornell Medical College Grand Rounds on “Imaging the Developing Brain in Autism,” November 1, 2006.

Imaging the Developing Brain in Autism, Haddassah Hospital Community Child Psychiatry Clinic, Jerusalem, Israel, December 7, 2006

Invited speaker at Cognitive Neuroscience Development and Psychopathology: Typical and Atypical Development of Brain-Behavior Relations at the Institute for Advanced Studies at Hebrew University of Jerusalem, December 10-15 2006.

Invited lecture at Tel Aviv Sourasky Medical Center, entitled “Imaging the Developing Brain in Autism” Tel Aviv, Israel, January 2007.

Invited speaker at Shaare Zedeck Medical Center, Department of Neurology, Jerusalem, Israel entitled “Imaging the Developing Brain: Insights into the Pathogenesis of Autism”, January 2007.

Invited speaker at Tel Aviv University, Department of Psychology, entitled “Imaging the Developing Brain: Insights into the Pathogenesis of Autism”, January 2007.

Invited lecture to the Israel Ministry of Education entitled “Update on Autism Research”, January 2007.

Panel presentation on “The Molecular Basis of Autism” and “Imaging the Developing Brain in Autism: Insights into Pathogenesis” at the Winter Conference on Brain Research, Snowmass, Colorado, January 2007.

Distinguished Lecture Series, M.I.N.D. Institute, University of California – Davis, March 2007

Invited speaker at the Developmental Neurobehavioral Disabilities and Toxic Exposure, Duke Integrated Toxicology and Environmental Health Program, Spring 2007 Symposium, entitled “Towards Defining the Autism Phenotype” March 23, 2007

Child Psychiatry Grand Rounds; Mt Sinai Hospital, NYC entitled “Imaging the Developing Brain in Autism”, May 18, 2007.

Annual TEAACH Conference, “Imaging the Developing Brain in Autism”, Chapel Hill, NC, May 25, 2007.

Research Seminar at the University of Iowa Department of Psychiatry, “Imaging the Developing Brain in Autism”, June 1, 2007.

Invited lectures at Indo-US Symposium on Autism sponsored by the Indian National Institute of Mental Health and Neurosciences (NIMHANS) and U.S. NIMH in Bangalore, India, “Alternative Strategies Towards Identifying the Autism Phenotype for Use of Genetic Studies and Imaging the Developing Brain in Autism”, September 27-28, 2007.

Presentation “Imaging the Developing Brain in Autism” at the Annual Meeting of the American Academy of Child and Adolescent Psychiatry 2007. Research Forum entitled “The Future of Neuroimaging: Relevance for Child Psychiatry”, Boston, MA, October 2007.

Presentation “Imaging the Developing Brain in Autism” at the Annual Meeting of the Southeastern American Association for Mental Retardation, Wrightsville Beach, NC, November 2007.

Course organizer “Towards Identifying the Pathophysiology of Autistic Syndromes” Keystone Symposia, Santa Fe, New Mexico, February 2008.

Presentation “Imaging the Developing Brain” at the Children’s National Medical Center, Washington, D.C, March 2008.

Presentation “Imaging the Developing Brain” at the NIEHS Frontiers Environmental Sciences Seminar, Raleigh, NC April 2008.

Presentation “Imaging the Developing Brain” at the Moses Cone Hospital, Greensboro, NC June 2008.

Presentation “Imaging the Developing Brain” at the 12th Annual Research Day, UNC Department of Cellular and Molecular Physiology, August 2008.

Presentation “Imaging the Developing Brain” at the Neurobiology of Mental Illness, UNC Hospitals Lecture Series, August 2008.

Non-Peer Reviewed Articles

Piven J, Plebst C. Pervasive Developmental Disorder, Care for Kids (The University of Iowa/Iowa University Affiliated Program), 4:1-2, 1997.