

CURRICULUM VITAE

SUSAN LEE SMALLEY

PERSONAL HISTORY:

Business:

University of California, Los Angeles
The Jane & Terry Semel Institute
for Neuroscience & Human Behavior
David Geffen School of Medicine at UCLA
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Birthdate: February 18, 1955
Birthplace: Minneapolis, Minnesota
Citizenship: United States of
America
Marital status: Married, 3 children,
ages 23, 21, 18

EDUCATION:

1976 B.A. Anthropology (Biological), University of Michigan, Ann Arbor
1981 M.A. Anthropology (Population Genetics), University of California, Los Angeles
1985 Ph.D. Anthropology (Population and Behavior Genetics),
University of California, Los Angeles
1985-1987 Post-doctoral fellow, Medical Genetics Training Program and Childhood
Psychopathology Training Program, University of California, Los Angeles

LICENSURE:

Ph.D. Medical Genetics # 870337
Founding fellow, American College of Medical Genetics, 1987

PROFESSIONAL EXPERIENCE:

2005 – Present Director, Mindful Awareness Research Center
Member, Center for Neurobehavioral Genetics
The Jane & Terry Semel Institute for Neuroscience & Human Behavior
University of California, Los Angeles

2002 - Present Professor -in - Residence
Departments of Psychiatry and Biobehavioral Sciences
University of California, Los Angeles

Senior Research Scientist

The Jane & Terry Semel Institute for Neuroscience & Human Behavior
University of California, Los Angeles

- 1999-2005
Angeles
- Co-Director, Center for Neurobehavioral Genetics
Neuropsychiatric Research Institute, University of California, Los Angeles
- 1995-1999
- Associate Professor – in – Residence
Department of Psychiatry, University of California, Los Angeles
- 1992-1995
- Adjunct Assistant Professor
Department of Psychiatry, University of California, Los Angeles
- 1989-1992
- Research Geneticist
Department of Psychiatry, University of California, Los Angeles
- 1988-1989
- Visiting Assistant Professor
Departments of Biology and Anthropology
University of California, Los Angeles

PROFESSIONAL ACTIVITIES:

Committee Service

UCLA Collaborative Centers for Integrative Medicine Steering Committee
UCLA Wellness Committee
Mindful Awareness Research Center Steering Committee, Semel Institute
Department of Psychiatry Teaching Awards Committee, Semel Institute
Semel-Resnick Development Committee, Semel Institute

Community Service

Neuromark, Scientific Advisory Board (2005-2006)
Center for Contemplative Mind in Society, Harvard University,
invited attendee (Sep 2006)
UCLA Early Education Program, Board Member (2005-2007)
The Learning Gym, Professional Advisory Board (2005-2007)
The Help Group, Professional Advisory Board (2005-current)
The Huffington Post weekly blogger (2005-present)
InnerKids Foundation Advisory Board (2005-current)
Foundation for Learning Development Advisory Board (2006-2007)
XPRIZE Health and Healthcare Advisory Summit (Oct. 2007)

Professional Associations and Scholarly Activities

Director, Mindful Awareness Research Center, Semel Institute
Member, Center for Neurobehavioral Genetics, Semel Institute

Member, American Society of Human Genetics
Member, International Society of Psychiatric Genetics
Member, Behavior Genetics Association
Member, American Association for the Advancement of Science
Member, American Academy of Child and Adolescent Psychiatry

Editorial Services

NICHD, Ad Hoc Reviewer
NIMH, Ad Hoc Reviewer
Medical Research Council (Neurosciences & Mental Health Board)
Ad Hoc Reviewer
Wellcome Trust Center for Human Genetics, Ad Hoc Reviewer
American Journal of Medical Genetics (Neuropsychiatric Genetics)
American Journal of Human Genetics
Behavior Genetics
Cure Autism Now (CAN)
Child Neuropsychology
Journal of Autism and Developmental Disorders
Molecular Psychiatry
Psychiatry Research
Expert Review of Neurotherapeutics
Genes, Brain, and Behavior
Theoretical Biology and Medical Modelling
Psychological Medicine

HONORS AND SPECIAL AWARDS:

1979-1981 NIMH pre-doctoral fellow, Behavior Genetics
1985-1987 NIMH post-doctoral fellow, Behavior and Quantitative Genetics

RESEARCH GRANTS AND FELLOWSHIPS RECEIVED:

1986-1988, Principal Investigator - Biomedical Research Support Grant \$5000, NPI-UCLA.
Familial sub-clinical markers in autism.

1989-1994, Principal Investigator - NIMH \$1,116,139. (total costs). Genetic influences in autism
and tuberous sclerosis.

1990-1994, Principal Investigator - NIMH \$362,251. (total costs). Supplement to genetic influences
in autism and tuberous sclerosis.

1990-1991, Principal Investigator - Biomedical Research Support Grant \$5000, NPI and Radiology-
UCLA. MRI studies in tuberous sclerosis.

1991-1995, Co-Principal Investigator - NIMH \$2,920,689. (total costs). Project I of Family Studies of Childhood Psychiatric Disorders (D. Cantwell, PI).

1992-1997, Co-Investigator - NIMH \$1,070,567. (total costs). Familial Psychiatric Disorder and Attention in Schizophrenia. (R. Asarnow: PI).

1996-1997, Principal Investigator - Sequana Therapeutics \$286,156. (total costs). Collaborative Study of Attention Deficit Hyperactivity Disorder.

1997, Principal Investigator - STAR Biotechnology Program \$99,180. (total costs). Collaborative Study of Attention Deficit Hyperactivity Disorder.

1997-2002, Co-Principal Investigator - NIMH \$7,047,438. (total costs). The Neurobiology and Genetics of Autism. (PI: F. Volkmar, Yale) (PI of UCLA site: S. Smalley) - \$ 1,490,413 (UCLA total costs).

1999-2003, Co-Principal Investigator - UC Davis, M.I.N.D. Institute \$500,000 (total costs), Genetic Studies of Attention Deficit Hyperactivity Disorder in an Isolated Population.

1998-2003, Principal Investigator - NIMH \$2,082,039. (total costs). Detection of Susceptibility Genes in ADHD

2001-2006, Principal Investigator – NIMH \$3,474,939 (total costs). Genetic Influences on ADHD in a Finnish Birth Cohort.

2003-2008, Co-Investigator – NINDS \$2,171,802 (total costs) Neuroimaging and Symptom Domains in Autism.

2004-2009, Principal Investigator – NIMH \$3,425,913 (total costs) Detection of Susceptibility Genes in ADHD

2006-2011, Co-Investigator – NINDS \$1,736,163 (total costs) Genetics of EEG Patterns in ADHD

2006-2011, Co-Investigator – NIMH \$1,763,742 (direct costs) SNP Studies in ADHD Linked Regions

2008-2009, Co-Investigator – 2008 Stein Oppenheimer – Seed Grant Program in Complementary Alternative and Integrative Medicine (CAM) \$30,000 (direct costs) Mindful Awareness Practices for Elementary School Children to Improve Attention and Emotion Regulation

LECTURES AND PRESENTATIONS:

Smalley, SL: Williams BJ, Woodward JA, Bonett DG: A quantitative genetic model of glucose intolerance and obesity. Annual meetings, American Association of Physical Anthropologists,

Indianapolis, Indiana, April 6-9, 1983.

Smalley, SL: Williams BJ, Woodward JA, Bonett DG, Ritenbaugh C: A covariance structure model for quantitative genetic research. Symposium on Genetic Epidemiology in an Anthropological Context, Victoria, British Columbia, Canada, August 18-19, 1983.

Smalley, SL: Thompson AL, Neiswanger K, Spence MA: Identifying the spatial gene: Genetic Analysis of a closure test. Annual meetings, Behavior Genetics Association, Bloomington, Indiana, May 23-26, 1984.

Smalley, SL: Thompson AL, Spence MA: Spatial ability and major gene influences: Transmission in a five-generation kindred. Annual meetings, Behavior Genetic Association, Honolulu, Hawaii, June 18-21, 1986.

Smalley, SL: Spence MA, Asarnow RF: Emotion perception deficits in autism and molecular studies of candidate genes. First World Congress on Psychiatric Genetics, Cambridge, England, August 3-5, 1989.

Smalley, SL: Smith M, Tanguay PE: Autism and psychiatric disorders in tuberous sclerosis. The New York Academy of Sciences Conference on tuberous sclerosis and allied disorders, Bethesda, Maryland, April 23-25, 1990.

Smalley, SL: Genetic influences in autism. International Conference of the Autism Society of America, Buena Park, California, July 11-14, 1990.

Smalley, SL: Genetic counseling in psychiatric genetics. Charter Hospital of Long Beach, California, September 20, 1990.

Smalley, SL: Autism and autistic like behaviors in tuberous sclerosis. Tuberous sclerosis workshop. American Society of Human Genetics, Cincinnati, Ohio, October 16-22, 1990.

Smalley, SL: Wolkenstein BH, LaRue A, et al.: Commingling analysis of cognitive performance in offspring of Alzheimer patients. National Behavior Genetic Meetings, St. Louis, MO, May 1991.

Smalley, SL: Autism and Behavior problems in Tuberous Sclerosis. International Conference of the Tuberous Sclerosis Association of Great Britain, Nottingham, England, September 16-18, 1991.

Smalley, SL: Research update on hereditary factors. Conference of the Los Angeles Chapter of the Alzheimer's Association, Carson, California, November 8, 1991

Smalley, SL: Behavioral Problems in Tuberous Sclerosis. National Tuberous Sclerosis Association Conference, San Diego, California, May 1-3, 1992

Smalley, SL: Genetics of autism. American Academy of Child and Adolescent Psychiatry, 39th Annual Meeting, Washington DC, October 20-25, 1992

Smalley, SL: Genetic counseling in autism in relation to prevention. Welshpool, Wales, November, 1992.

Smalley, SL: A genetic analysis of autism. UCLA School of Medicine Interdepartmental Conference: Molecular Approaches to Psychiatric Disease, March 10, 1993.

Smalley, SL: Behavior and physical variation of Tuberous Sclerosis. Workshop on Tuberous Sclerosis, New Orleans, October 1993.

Smalley, SL, McCracken JT, Tanguay, PE: Mood and anxiety disorders in relatives of autistic individuals. World Congress on Psychiatric Genetics, New Orleans, 1993.

Smalley, SL, Burger F, Smith M: Phenotypic variation of tuberous sclerosis complex in a single extended kindred. National meeting American Society of Human Genetics, New Orleans, 1993.

Smalley, SL: Pathophysiology of autism spectrum disorders: Genetic, Prenatal, and Immunological factors. An NIH State-of-the-Science conference, Bethesda, April 10-11, 1995.

Smalley, SL: Autism and behavioral symptoms in tuberous sclerosis. NTSA Clinical Care Conference, Baltimore, October 29, 1995.

Smalley, SL: Psychiatric Genetics. Annual Review course in Child and Adolescent Psychiatry, Los Angeles, 1993 and 1995.

Smalley, SL: Genetic influences in autism and ADHD. Presentation to I-PAR (Interdisciplinary-Professionals for the At-Risk), June 1997.

Smalley, SL: Genetic influences in ADD/ADHD. CHADD West LA 1997 Fall Speaker Series, October 8, 1997

Smalley SL: Autism: a journey to solutions. Autism Society of Los Angeles 1998 conference, March 1998.

Smalley SL: Psychiatric and Behavioral Issues in Tuberous Sclerosis. NTSA 1998 Conference, July 1998.

Smalley SL: The Genetics of Autism and Attention Deficit Disorders. Pacific Southwest Regional Genetics Network conference, August 22, 1998.

Smalley SL: Genetic Influences in Autism and Attention Deficit Disorder. The H.E.L.P. Group, Second Annual Learning Disorders Symposium. September, 1998.

Smalley SL: Genetic and Environmental Influences in the Development of Attention Deficit Hyperactivity Disorder. 6th World Congress on Psychiatric Genetics, October 6-10, 1998.

Smalley SL: Molecular Genetic Studies of ADHD. American Academy of Child & Adolescent Psychiatry, 45th Annual Meeting. October 31, 1998.

Smalley SL: Genetics of Autism. American Academy of Child & Adolescent Psychiatry, 45th Annual Meeting. November 1, 1998.

Smalley SL: The Genetics of the Human Spirit, Women and Philanthropy, UCLA School of Medicine. March 24, 1999.

Smalley SL: Genetics of Psychiatric Disorders, 24th Annual Review Course in Child and Adolescent Psychiatry. June 23-26, 1999

Smalley SL: Refining the ADHD phenotype using affected sibling pair families, Phenotypes and Genetic Analysis of Complex Traits Workshop, The Rockefeller University. September 29, 1999.

Smalley SL: Grand Rounds, Genetics of ADHD. NPI 2000.

Smalley SL: Finding genes in ADHD: results of a genome scan. The 13th Annual International Conference on AD/HD (CHADD). October 2001.

Smalley SL: Genetics of Attention Deficit Hyperactivity Disorder (ADHD). ADHD Molecular Genetics Network, Dublin, Ireland, May 4 - 5, 2002.

Smalley, SL: Genetics of Attention Deficit Hyperactivity Disorder (ADHD). 2nd Conference on Epidemiological Longitudinal Studies in Europe. Oulu, Finland, June 12 - 14, 2002.

Smalley SL: Neurodevelopmental and Genetic Advances. The Help Group Summit 2002. Culver City, California. October 2002.

Smalley SL: ADHD Perspectives: From the Brain and Genes to Treatment. The Help Group Summit 2002. Culver City, California. October 2002.

Smalley SL: Nature/Nuture and ADHD. The Help Group Summit 2003. Culver City, California. October 2003.

Smalley SL: Genetic Studies of Attention Deficit Hyperactivity Disorder (ADHD). Neurogenetics Affinity Group Seminar. Gonda Center, UCLA. November 20, 2003.

Smalley SL: Reframing ADHD: Genetic Origins and New Interventions. Institute for the Interdisciplinary Study of Consciousness. Santa Barbara, California April 21, 2004.

Smalley SL, Sergeant JA, Minderaa RB, Szatmari P, Roeyers HM, Gillberg CG, Volkmar FR: ADHD and High Functioning Autism: Genetic, Clinical, and Neuropsychological Relations. AACAP 2004 Meeting. Hilton Washington, Washington, DC. October 21, 2004.

Smalley SL, McGough JJ, Muenke M, Todd RD, Castellanos FX, Loo SK: Genetics of ADHD and Related Conditions. AACAP 2004 Meeting. Hilton Washington, Washington DC. October 24, 2004.

Smalley SL, Moilanen I, Taanila A, Ebeling H, Hurtig T, Jarvelin M-J, Loo SK, McGough JJ: ADHD and Comorbidity in Adolescence. AACAP 2004 Meeting. Hilton Washington. Washington, DC. October 20, 2004.

Smalley SL, Marquardt RK, Levitt J, Blanton R, McCracken JT, Toga AW: Social Deficits in Autistic Children Correlate with Total Brain Volumes. AACAP 2004 Meeting, Hilton Washington. Washington, DC. October 23, 2004.

Smalley SL: Mindful Awareness Practices in Education. Garrison Institute Contemplation and Education Program. Garrison Institute, Garrison, NY. April 4-6, 2005.

Smalley SL: The Genetic Basis of ADHD. The Help Group Summit 2005. The Skirball Cultural Center, Los Angeles, California. September 30 – October 1, 2005.

Smalley SL: Genetics and Attention deficit hyperactivity disorder: Neurodiversity and Well-being in the Genomic Era. Cedars Sinai – Genetics Seminar. Cedars Sinai Medical Center, Los Angeles, California. January 12, 2006.

Smalley SL: Finding comfort in understanding one's AD/HD. CHADD West Los Angeles, Culver City, California. March 21, 2006.

Smalley SL: Temperament/Emotion Endophenotypes. Lecture in NS 240: Phenotypic Measurement of Complex Traits. Spring 2006. 5303 Gonda Bldg, University of California, Los Angeles. April 27, 2006.

Smalley SL: Symposium: Reframing ADHD in the Genomic Era: From Genes to treatment and prevention. AACAP 2006. San Diego, CA. October 26, 2006.

Smalley SL: Symposium: Advances in Autism: New Links between Genes, Neurobiology, Behavior, and Treatment. AACAP 2006. San Diego, CA. October 26, 2006.

Smalley SL: Understanding Attention Deficit Hyperactivity Disorder in the Genomic Era. Los Angeles Learning Disabilities Association Fall Conference. Burbank, CA. October 27, 2006.

Smalley SL: Re-Thinking Learning and AD/HD in the Genomic Era. Learning for Life Conference: Mapping Cognitive Training, organized by the Foundation for Learning Development. Ayres Hotel, Manhattan Beach CA. January 19, 2007.

Smalley SL: Temperament/Emotion Endophenotypes. Lecture in NS 240: Phenotypic Measurement of Complex Traits. Spring 2007. 5303 Gonda Bldg, University of California, Los Angeles. April 26,

2007.

Smalley SL: Genetics and Mind-Body Practices: Helping Children with ADHD. The Help Group Summit 2007. The Skirball Cultural Center, Los Angeles, California. October 5-6, 2007.

Smalley SL: Mindful Awareness Practices. Graduate School of Education and Information Studies, Course No. 425. 1234 Public Affairs Bldg. University of California, Los Angeles. October 30, 2008.

Smalley SL: Mindful Awareness Practices and Well-Being. UCLA's 12th Annual Review of Psychiatry and Psychopharmacology Update. University of California, Los Angeles, Covel Commons Conference Center. October 26-27, 2007.

Smalley SL: Mindfulness for Leaders in Education. Principal's event. Faculty Center, University of California, Los Angeles. January 28, 2008.

Smalley SL: Mindful Awareness Practices Seminar for Pre-doctoral Psychology Interns. Semel Institute, Room C8-638. University of California, Los Angeles. February 1, 2008.

Smalley SL: Program in Mind Body Research. Chair. Basic and Translational Science Symposium, Center for Neurobiology of Stress. University of California, Los Angeles, Neuroscience Research Building Auditorium. February 1, 2008.

Smalley SL: Mindful Awareness Practices and Mindfulness Meditation. UCLA Wellness Program Martin Luther King, Jr. Auditorium, Santa Monica Library. February 5, 2008

Smalley SL: Mindful Awareness and Genomics – Tools of Psychiatry in the 21st Century: Applications in Attention Deficit Hyperactivity Disorder (ADHD). University of Vermont College of Medicine, Fletcher Allen Health Care, Psychiatry Grand Rounds. Davis Auditorium, Fletcher Allen/UVM Medical Education Center. February 22, 2008.

Smalley SL: Learning to Learn in the 21st Century - How Mindfulness Can Help You and Your Teen Deal with ADHD, Anxiety, Emotions, and Stress. Munger Lecture Hall, Harvard-Westlake School. February 25, 2008.

Smalley SL: Temperament/Emotion Endophenotypes. Lecture in NS 240: Phenotypic Measurement of Complex Traits. Spring 2008. 5303 Gonda Bldg, University of California, Los Angeles. April 24, 2008.

Smalley SL: Social and Emotional Development – An Essential Component of Education at UES. University Elementary School (UES) 125th Anniversary Celebration. University of California, Los Angeles. May 3, 2008.

Smalley SL: Mindful Awareness Practices (MAPs) for Educators. Registration # T8792. Summer 2008. UCLA Extension Course. University of California, Los Angeles. July 13, 2008 and August 2, 2008.

Smalley SL: Alternative Wellness Panel. Step Up Women's Network. Korn Convocation Hall. University of California, Los Angeles. July 29, 2008.

Smalley SL: Self Regulation and Learning: Mindfulness Training in the Genomic Era. Keynote Address. 30th Annual Conference of the Association of Educational Therapists. Kona Kai Resort, San Diego, CA. October 25, 2008.

BIBLIOGRAPHY:

RESEARCH PAPERS

A. RESEARCH PAPERS – PEER REVIEWED

- (1) Bonett DG, **Smalley SL**, Woodward JA. A general statistical model for multifactorial inheritance of discontinuous traits. *Biometrical Journal* 28(8):985-992, 1986.
- (2) Marazita ML, Goldstein AM, **Smalley SL**, Spence MA. Cleft lip with or without cleft palate: Reanalysis of a three-generation family study from England. *Genetic Epidemiology* 3:335-342, 1986.
- (3) **Smalley SL**, Thompson AL, Spence MA, Judd WJ, Sparkes RS. Genetic influences on spatial ability: Transmission in a five-generation kindred. *Behavior Genetics* 19:229-240, 1988.
- (4) **Smalley SL**, Asarnow RF, Spence MA. Autism and genetics: A decade of research. *Archives of General Psychiatry* 45:953-961, 1988.
- (5) **Smalley SL**. Dermatoglyphic patterns in high-functioning autistics. *Newsletter of the American Dermatoglyphics Association* 8:21-24, 1989.
- (6) Smith M, **Smalley SL**, Cantor R, Pandolfo M, Gomez M, Baumann R, Flodman P, Nakamura Y, Julier C, Dumars K, Haines J, Trofatter J, Spence MA, Weeks D, Conneally M. Mapping of a gene determining tuberous sclerosis to human chromosome 11q14-11q23. *Genomics* 6:105-114, 1990.
- (7) **Smalley SL**, Asarnow RF. Brief Report: Cognitive subclinical markers in autism. *Journal of Autism and Developmental Disorders* 20:271-278, 1990.
- (8) **Smalley SL**, Tanguay PE, Smith M, Gutierrez G. Autism and tuberous sclerosis. *Journal of*

- Autism and Developmental Disorders* 22:339-355, 1992.
- (9) **Smalley SL**, Wolkenstein BH, LaRue A, Woodward JA, Jarvik LF, Matsuyama SS. Commingling analysis of memory performance in offspring of Alzheimer patients. *Genetic Epidemiology* 9:333-345, 1992.
 - (10) **Smalley SL**. Sex specific recombination frequencies: A consequence of imprinting? *American Journal of Human Genetics* 52:210-212, 1993.
 - (11) Palmer CGS, Wolkenstein BH, La Rue A, Swan GE, **Smalley SL**. Commingling analysis of memory performance in elderly men. *Genetic Epidemiology* 11:443-450, 1994.
 - (12) **Smalley SL**, Burger F, Smith M. Phenotypic variation of Tuberous Sclerosis in a single extended kindred. *Journal of Medical Genetics* 31:761-765, 1994.
 - (13) **Smalley SL**, McCracken J, Tanguay P. Autism, affective disorders, and social phobia. *Neuropsychiatric Genetics* 60:19-26, 1995.
 - (14) **Smalley SL**, Woodward JA, Palmer CGS. A general statistical model for detecting complex-trait loci by using affected relative pairs in a genome search. *American Journal of Human Genetics* 58:844-860, 1996.
 - (15) Bailey JB, Palmer CGS, Woodward JA, **Smalley SL**. A multivariate approach to affected sib pair analysis using highly dense molecular maps. *Genetic Epidemiology* 14: 761-766, 1997.
 - (16) Gutierrez G, **Smalley SL**, Tanguay P. Autism in tuberous sclerosis complex. *Journal of Autism and Developmental Disorders* 28: 97-103, 1998.
 - (17) **Smalley SL**. Autism and Tuberous sclerosis. *Journal Autism and Developmental Disorders* 28(5):407-414, 1998.
 - (18) International Molecular Genetic Study of Autism Consortium. A full genome screen for autism with evidence for linkage to a region on chromosome 7q. *Human Molecular Genetics* 7:571-578, 1998.
 - (19) **Smalley SL**, Bailey JN, Palmer CGS, Cantwell DP, McGough J, Del'Homme M, Asarnow J, Woodward JA, Ramsey C, Nelson S. Evidence that the dopamine D4 receptor is a susceptibility gene in ADHD. *Molecular Psychiatry* 3: 427-430, 1998.
 - (20) **Smalley SL**. Autism and tuberous sclerosis. *Journal of Autism and Developmental Disorders* Oct;28(5):407-14, 1998
 - (21) Bailey JN, Suchard M, **Smalley SL**, Sinsheimer JS. Search for a gene by environment interaction: GXE hunt. *Genetic Epidemiology* 17:S491-496, 1999.

- (22) Palmer CGS, Bailey JN, Ramsey R, Cantwell D, Sinsheimer JS, Del'Homme M, McGough J, Woodward JA, Asarnow R, Asarnow J, Nelson SF, **Smalley SL**. No evidence of linkage or linkage disequilibrium between DAT1 and attention deficit and hyperactivity disorder in a large sample. *Psychiatric Genetics* 9:157-160, 1999.
- (23) Bailey JN, Suchard MA, **Smalley SL**, Sinsheimer JS. Search for a gene x environment interaction: G x E hunt. *Genetic Epidemiology* 17 (1): S491-6, 1999.
- (24) Bailey JN, Ornitz E, Gehricke JG, Gabikiadn P, Russell A, **Smalley SL**: Transmission of Primary Nocturnal Enuresis and Attention Deficit Disorder. *The Journal of Nervous and Mental Disorders Acta Paediatr* 88: 1364-1368, 1999.
- (25) **Smalley SL**, McGough JJ, Del'Homme M, NewDelman J, Gordon E, Kim T, Liu A, McCracken JT. Familial clustering of symptoms and disruptive behaviors in multiplex families with Attention Deficit Hyperactivity Disorder. *Journal of the American Academy of Child and Adolescent Psychiatry* Sep; 39(9): 1135-43, 2000.
- (26) McCracken JT, **Smalley SL**, McGough JJ, Crawford L, Del'Homme M, Cantor RM, Liu A, Nelson SF. Evidence for linkage of a tandem duplication polymorphism upstream of the dopamine D4 receptor gene (DRD4) with attention deficit hyperactivity disorder (ADHD). *Molecular Psychiatry* 5: 531-36, 2000.
- (27) Fidler DJ, Bailey JN, **Smalley SL**. Macrocephaly in autism and other pervasive developmental disorders. *Developmental Medicine & Child Neurology* 42: 737-40, 2000.
- (28) **Smalley SL**, McCracken JT, McGough JJ. Refining the ADHD phenotype using affected sibling pair families. *American Journal of Medicine Genetics: Neuropsychiatric Genetics* 105: 1-3, 2000.
- (29) Khare L, Strizheva GD, Bailey JN, Au K-S, Northrup H, Smith M, **Smalley SL**, and Henske EP: A novel missense mutation in the GTPase activating protein homology region of TSC2 in two large families with Tuberous Sclerosis complex. *Journal of Medical Genetics* 38(5):347-9, 2001
- (30) International Molecular Genetic Study of Autism Consortium (IMSGAC). Further characterization of the autism susceptibility locus AUTS1 on chromosome 7q. *Human Molecular Genetics* 10(9): 973-82, 2001
- (31) International Molecular Genetic Study of Autism Consortium (IMGSAC). A Genomewide Screen for Autism: Strong Evidence for Linkage to Chromosomes 2q, 7q and 16p. *The American Journal of Human Genetics* 69:570-81, 2001
- (32) Fisher SE, Francks C, McCracken JT, McGough JJ, Marlow AJ, MacPhie IL, Newbury DF, Crawford LR, Palmer CG, Woodward JA, Del'Homme M, Cantwell DP, Nelson SF, Monaco AP, **Smalley SL**. A genomewide scan for loci involved in attention-

- deficit/hyperactivity disorder. *American Journal of Human Genetics* 70(5):1183-96, 2002
- (33) **Smalley SL**, Kustanovich V, Minassian S, Stone J, Ogdie M, McGough JJ, McCracken JT, MacPhie IL, Francks C, Fisher SE, Cantor R, Monaco AP, Nelson SF. Genetic linkage of Attention-Deficit / Hyperactivity Disorder (ADHD) on chromosome 16p13 in a region implicated in autism. *American Journal of Human Genetics* 71(4): 959-63, 2002
- (34) Kustanovich, V, Merriman, B, McGough, J, McCracken, JT, **Smalley, SL** and Nelson, S. F. Biased paternal transmission of SNAP-25 risk alleles in attention-deficit hyperactivity disorder. *Molecular Psychiatry* 8(3): 309-15, 2003
- (35) Ogdie MN, Macphie IL, Minassian SL, Yang M, Fisher SE, Francks C, Cantor RM, McCracken JT, McGough JT, Nelson SF, Monaco AP, **Smalley SL**. A Genome-wide Scan For Attention-Deficit/Hyperactivity disorder in an Extended Sample: Suggestive Linkage on 17p11. *American Journal of Human Genetics* 72(5): 1268-79, 2003.
- (36) Kotimaa JA, Moilanen I, Taanila A, Ebeling H, **Smalley SL**, McGough JJ, Hartikainen A, Järvelin M. Maternal Smoking and Hyperactivity in 8-Year Old Children. *Journal of the American Academy of Child and Adolescent Psychiatry* 42(7):826-33, 2003.
- (37) Levitt JG, Blanton RE, **Smalley S**, Thompson PM, Guthrie D, McCracken JT, Sadoun T, Heinichen L, Toga AW. Cortical Sulcal Maps in Autism. *Cerebral Cortex* 13: 728-735, 2003.
- (38) Lowe N, Kirley A, Hawi Z, Sham P, Wickham H, Kratochvil CJ, Smith SD, Lee SY, Levy F, Kent L, Middle F, Rohde LA, Roman T, Tahir E, Yazgan Y, Asherson P, Mill J, Thapar A, Payton A, Todd RD, Stephens T, Ebstein RP, Manor I, Barr CL, Wigg KG, Sinke RJ, Buitelaar JK, **Smalley SL**, Nelson SF, Biederman J, Faraone SV, Gill M. Joint Analysis of DRD5 Marker Concludes Association with ADHD Confined to the Predominately Inattentive and Combined Subtypes. *American Journal of Human Genetics* 74(2):348-56, 2004.
- (39) Ogdie MN, Fisher SE, Yang M, Ishii J, Francks C, Loo SK, Cantor RM, McCracken JT, McGough JJ, **Smalley SL**, Nelson SF. Attention Deficit Hyperactivity Disorder: Fine Mapping Supports Linkage to 5p13, 6q12, 16p13, 17p11. *American Journal of Human Genetics* 75: 661-8, 2004.
- (40) Loo SK, Fisher SE, Francks C, Ogdie MN, MacPhie IL, Yang M, McCracken JT, McGough JJ, Nelson SF, Monaco AP, **Smalley SL**. Genome-wide Scan of Reading Ability in Affected Sibling Pairs with Attention-Deficit/Hyperactivity Disorder: Unique and Shared Genetic Effects. *Molecular Psychiatry* 9(5):485-93, 2004.
- (41) Kustanovich V, Ishii J, Crawford L, Yang M, McGough JJ, McCracken JT, **Smalley SL**, Nelson SF. Transmission disequilibrium testing of dopamine-related candidate gene

- polymorphisms in ADHD: confirmation of association with DRD4 and DRD5. *Molecular Psychiatry* 9(7):711-7, 2004.
- (42) Lynn DE, Lubke G, Yang M, McCracken JT, McGough JJ, Ishii J, Loo SK, Nelson SF, **Smalley SL**. Temperament and Character Profiles and the Dopamine D4 Receptor Gene in ADHD. *American Journal of Psychiatry* 162(5):906-914, 2005.
- (43) **Smalley SL**, Loo SK, Yang MH, Cantor RM. Toward localizing genes underlying cerebral asymmetry and mental health. *American Journal of Medical Genetics: Neuropsychiatric Genetics* 135B: 79-84, 2005.
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