

CURRICULUM VITAE

Christina Sobin, Ph.D.

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Laboratory of Neurocognitive Genetics and Developmental Neurocognition
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EDUCATION

Bachelor of Arts Degree, Psychology with Honors, June 1983
City College, City University of New York
Doctor of Philosophy in Clinical Psychology, June 1990
New York University, New York

ACADEMIC AND RESEARCH APPOINTMENTS

- 2008 – present
Adjunct Research Faculty, The Rockefeller University
Laboratory of Neuroendocrinology
Mouse models of chronic low-level lead exposure
- 2006 – present
Associate Professor, Psychology, University of Texas, El Paso, tenured Fall 2009
Head, Laboratory of Neurocognitive Genetics and Developmental Neurocognition
Low-Level Lead Exposure in Children; Attention and Learning in
Children with the 22q11 Deletion Syndrome;
Courses: Experimental Psychology, Scientific Writing, Neuropsychological Assessment,
Statistical Methods
- 2001 - 2006
Research Assistant Professor
The Rockefeller University, Project 22q
Principal Investigator, “Attention in Children with 22q11 Deletion Syndrome”
- 1997 - 2001
Research Associate and Clinical Scholar
The Rockefeller University
Clinical Research Director for genetic studies in mental function; training and
supervision of clinical study staff conducting neurophysiologic, neurocognitive and
neuropsychological assessments, and psychiatric diagnostic interviews
- 1997 - 2001
Research Associate, Department of Psychiatry
Cornell University Medical College
Principal Investigator, “Motor Behavior in Depression”
- 1996
Assistant Professor and Research Scientist, New York State Psychiatric Institute
College of Physicians and Surgeons of Columbia University
Multi-dimensional assessment of psychomotor symptoms in major depression;
depression in Parkinson’s disease
- 1994 - 1996
Post-Doctoral Research Fellow, Affective Disorders Training Program
College of Physicians & Surgeons of Columbia University
Multi-dimensional assessment of psychomotor symptoms in depression;
pathophysiologic significance of psychomotor disturbance in depressive disorder;
included evaluation and treatment of depression in Parkinson’s patients; of elderly
depressed patients without neurologic impairment; evaluation of motor symptoms in
depression.

- 1991 - 1994 Research Scientist and Assistant Professor, New York State Psychiatric Institute and College of Physicians & Surgeons of Columbia University
Department of Psychiatry, Division of Clinical and Genetic Epidemiology
Clinical director of diagnostics; project director for studies examining the longitudinal course of childhood depression, and rates of psychopathology in children of opiate addicts; training supervisor for (20) clinical interviewers using the Schedule for Affective Disorders and Schizophrenia and related instruments
- 1991-1993 Instructor, Department of Psychiatry
College of Physicians & Surgeons of Columbia University,
New York State Psychiatric Institute
Research diagnostic methods; DSM; longitudinal course of depression
- 1991 Instructor, Department of Psychiatry
New York University Medical Center, and Bellevue Hospital
Differential diagnosis of disruptive behavior disorders and developmental disabilities
- 1990-1991 Psychologist, Department of Psychiatry, New York University Medical Center and Bellevue Hospital, Developmental Neurobiology Unit
Diagnostic evaluation and treatment of behavior disorders including attention deficit disorder, pervasive developmental disorder, and specific developmental delays, including associated parent-child problems. Testing methods included neuropsychological, psychological and learning disability batteries. Treatment methods included behavior modification, cognitive therapy, or family therapy in combination with pharmacologic treatment.
- 1987 - 1990 Assistant Research Scientist, New York University Medical Center
Millhauser Laboratories, Department of Psychiatry
Acoustic properties of speech for the differential diagnosis of Parkinson's disease, Alzheimer's disease, depression and schizophrenia, and as a measure of emotion state
- 1989-1990 Psychology Intern, Bellevue Hospital
Inpatient rotations on neuropsychological assessment service, adolescent unit, and substance detoxification/rehabilitation unit. Outpatient treatment of adults and children in individual psychotherapy, family and couples treatment and group psychotherapy.
- 1987-1989 Psychology Extern, SUNY College of Optometry, Learning Disabilities Unit
Neuropsychological assessment of children and adults.

FELLOWSHIP AND GRANT SUPPORT

- 2009 Center for Clinical and Translational Science, The Rockefeller University, Pilot Project
Principal Investigator
“Translational Studies in Chronic Low-Level Lead Exposure”
\$10,000 Funded: October 2009 – June 2010
- 2009 National Institutes of Health, Child Health and Human Development, R21
Principal Investigator
“Lead, Genes and Cognition in Underserved Children”
\$275,000 Funded: April 2009 – March 2011
- 2009 University Research Initiative Grant, UTEP (1 year)
Principal Investigator
“Chronic Low-Level Lead Exposure: Longitudinal Pilot Study”
\$6625 Funded: January 2009 - December 2009

- 2008 Center for Clinical and Translational Science, The Rockefeller University, Pilot Project
Principal Investigator
“Translational Studies in Chronic Low-Level Lead Exposure”
\$25,000 Funded: November 2008 – June 2009
- 2008 Center for Clinical and Translational Science, The Rockefeller University, Pilot Project
Principal Investigator
“Translational Studies in Chronic Low-Level Lead Exposure”
\$10,000 Funded: February 2008 – September 2008
- 2008 Paso del Norte Health Foundation/Center for Border Health Research
Principal Investigator
“Identifying Children at Highest Risk of Lead-Induced Neurotoxicity in the El Paso Border Region”
\$75,000 Funded: Jan 2008 – June 2009
- 2008 UTEP Advance Program – Graduate Research Assistantship
Principal Investigator
“Genes and Neurocognition: A Longitudinal Study of Children with the 22q11 Deletion Syndrome”
\$8000 (approx.) Funded: Spring 2008
- 2006 University Research Initiative Grant, UTEP (1 year)
Principal Investigator
“Lead, Genes, Neurotoxicity: Pilot Study of Risk Factors in Residents in El Paso Border Region”
\$6500 Funded: December 2006 – November 2007
- 2001 – 2006 National Institutes of Health, Child Health and Human Development, K08 (5 years)
Principal Investigator
“Attention in Children with the 22q11 Deletion Syndrome”
\$663,285 Funded: June 2001 – May 2006
- 1997-2002 Lucille P. Markey Clinical Scholar
The Rockefeller University
- 1996 – 1998 National Alliance for Research in Schizophrenia and Depression (2 years)
Principal Investigator, Mentored NARSAD Young Investigator Award
“The Multidimensional Assessment of Psychomotor Symptoms in Depression”
\$150,000 Funded: July 1996 – June 1998
- 1993 – 1997 National Institute of Mental Health, R01 (5 years)
Co-Principal Investigator with M. Weissman, Ph.D.
“Depressed Children Grown-Up”
\$1,345,435 Funded: September 1993 – August 1997

TECHNIQUES AND METHODS

Nikon Eclipse E600 quantitative analysis software; immunohistochemistry; C57Bl/6 colony breeding; mouse behavior assessment; child and adult neurocognitive and neuropsychological assessment; model development for translational research.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Association for Psychological Science
Sigma Xi
Society for Cognitive Neuroscience
Society for Neuroscience

PUBLICATIONS IN PEER-REVIEWED JOURNALS

[†] graduate student author; [‡] undergraduate student author

- Sobin C**, Gutierrez M[†], Alterio H[†]. (2009) Polymorphisms of delta-aminolevulinic acid dehydratase (ALAD) and peptide transporter 2 (PEPT2) genes in children with low-level lead exposure, **Neurotoxicology**, in press. *Impact Factor: 2.6*
- Sobin C**, Kiley-Brabeck K, Monk S[†], Khuri J[†], Karayiorgou M (2009) Sex differences in the behavior of children with the 22q11 deletion syndrome, **Psychiatry Research**, 166: 24-34. *Impact Factor: 2.3*
- Sobin C**, Monk S[‡], Kiley-Brabeck K[†], Khuri J[†], Karayiorgou M. (2006) Neuromotor deficits in children with the 22q11 deletion syndrome, **Movement Disorders**, 21: 12, 2082 – 2089. *Impact Factor: 3.3*
- Sobin C**, Kiley-Brabeck K[†], Dale K[†], Monk S[‡], Khuri J[†], Karayiorgou M. (2006) Olfactory disorder in children with the 22q11 deletion syndrome, **Pediatrics**, 118, 3, pp. 697 - 703. *Impact Factor: 5.0*
- Kiley-Brabeck K[†], **Sobin C**. (2006) Social skills and executive function deficits in children with the 22q11 deletion syndrome, **Applied Neuropsychology**, 13 (4), 258 – 268. *Impact Factor: 1.0*
- Sobin C**, Kiley-Brabeck K[†], Karayiorgou M. (2005) Associations between prepulse inhibition and visual executive attention in children with the 22q11 deletion syndrome, **Molecular Psychiatry**, 10 (6), 553-562. (advance online publication, November 2004). *Impact Factor: 11.8*
- Sobin C**, Kiley-Brabeck K[†], Karayiorgou M. (2005) Lower pre-pulse inhibition in children with the 22q11 deletion syndrome, **American Journal of Psychiatry**, 162, 1090 - 1099. *Impact Factor: 8.3*
- Sobin C**, Kiley-Brabeck K[†], Blundell M, Anyane-Yeboa, K, Karayiorgou, M. (2005) Neuropsychological characteristics of children with the 22q11 deletion syndrome: a descriptive analysis. **Child Neuropsychology**, 11(1), 39-53. *Impact Factor: 1.9*
- Sobin C**, Kiley-Brabeck K[†], Daniels S[†], Blundell M, Anyane-Yeboa, K, Karayiorgou, M. (2004) Networks of attention in children with the 22q11 deletion syndrome, **Developmental Neuropsychology**, 26 (2), 611 - 626. *Impact Factor: 2.9*
- Karayiorgou M, Torrington M, Abecasis GR, Pretorius H, Robertson B, Kaliski S, Lay S, **Sobin C**, Moller N, Lundy SL[†], Blundell ML, Gogos JA, Roos JL. (2004) Phenotypic characterization and genealogical tracing in an Afrikaner schizophrenia database. **American Journal of Medical Genetics, Neuropsychiatric Genetics**, 124 (1), 20 – 28. *Impact Factor: 4.5*
- Wijsman EM, Rosenthal EA, Hall D, Blundell ML, **Sobin C**, Heath SC, Williams R, Brownstein MJ, Gogos JA, Karayiorgou M. (2003) Genome-wide scan in a large complex pedigree with predominantly male schizophrenics from the island of Kosrae: evidence for linkage to chromosome 2q. **Molecular Psychiatry**, 8 (7), 695 – 705. *Impact Factor: 11.8*
- Sobin C**, Roos JL, Pretorius H, Lundy SL[†], Karayiorgou M. (2003) A comparison study of early non-psychotic deviant behavior in Afrikaner and US patients with schizophrenia or schizoaffective disorder, **Psychiatry Research**, 117, 113-125. *Impact Factor: 2.3*
- Liu H, Heath SC, **Sobin C**, Roos JL, Galke BL, Blundell ML, Lenane M, Robertson B, Wijsman EM, Rapoport JL, Gogos JA, Karayiorgou M. (2002) Genetic variation at the 22q11 PRODH2/DGCR6 locus presents an unusual pattern and increases susceptibility to schizophrenia. **Proceedings of the National Academy of Sciences**, 99 (6), 3717-3722. *Impact Factor: 9.6*

- Sobin C**, Blundel M, Conry A, Weiller Ft, Gavigan Ct, Haiman Ct, Karayiorgou, M. (2001) Early non-psychotic deviant behavior in schizophrenia: a possible endophenotypic marker for genetic studies, **Psychiatry Research**, 101, 101-113. *Impact Factor: 2.3*
- Sobin C**, Blundel M, Weiller Ft, Gavigan Ct, Haiman Ct, Karayiorgou, M. (2000) Evidence of a schizotypy subtype in OCD. **Journal of Psychiatric Research**, 34, 15 – 24. *Impact Factor: 3.7*
- Sobin C**, Blundel M, Karayiorgou, M. (2000) Phenotypic differences in early and later onset OCD, **Comprehensive Psychiatry**, 41, 373 – 379. *Impact Factor: 2.2*
- Sobin C**, Karayiorgou M. (2000) The Genetic Basis and Neurobiological Characteristics of Obsessive Compulsive Disorder. In D. Pfaff (ed.) Genetic influences on neural and behavioral functions, New York: CRC Press.
- Sobin C**, Alpert M. (1999) Emotions in speech: the acoustic attributes of fear, anger, sadness and joy. **Journal of Psycholinguistic Research**, 28 (4), 347 – 365. *Impact Factor: 0.5*
- Sobin C**, Blundel M, Weiller Ft, Gavigan Ct, Haiman Ct, Karayiorgou, M. (1999) The phenotypic characteristics of Obsessive Compulsive Disorder ascertained in adulthood. **Journal of Psychiatric Research**, 33, 265 – 273. *Impact Factor: 3.7*
- Karayiorgou M, **Sobin C**, Blundell ML, Galke BL, Malinova L, Goldberg P, Ott J, Gogos JA. (1999) Family-based association studies support a sexually dimorphic effect of COMT and MAOA on genetic susceptibility to obsessive-compulsive disorder. **Biological Psychiatry**, 45 (9), 1178 – 1189. *Impact Factor: 7.2*
- Sobin C**, Mayer L, Endicott J. (1998) The Motor Agitation and Retardation Scale: a scale for the assessment of motor abnormalities in depressed patients. **Journal of Neuropsychiatry and Clinical Neuroscience**, 10, 85 – 92. *Impact Factor: 2.0*
- Sobin C**, Sackeim HA (1997) The psychomotor symptoms of depression (review paper). **American Journal of Psychiatry**, 154, 4 – 17. *Impact Factor: 8.3*
- Bennett RL, Karayiorgou M, **Sobin CA**, Norwood TH, Kay MA. (1997) Identification of an interstitial deletion in an adult female with schizophrenia, mental retardation, and dysmorphic features: further support for a putative schizophrenia-susceptibility locus at 5q21-23.1. **American Journal of Human Genetics**, 61 (6), 1450 – 1454. *Impact Factor: 12.6*
- Sobin C**, Prudic J, Devanand DP, Nobler MS, Sackeim HA. (1996) Who responds to electroconvulsive therapy? A comparison of effective and ineffective forms of treatment. **British Journal of Psychiatry**, 169 (3), 322 – 328. *Impact Factor: 5.4*
- Sobin C**, Sackeim HA, Prudic J, Devanand DP, Moody BJ, McElhiney MC. (1995) Predictors of retrograde amnesia following ECT. **American Journal of Psychiatry**, 152 (7), 995 – 1001. *Impact Factor: 8.3*
- Horwath E, Wolk SI, Goldstein RB, Wickramaratne P, **Sobin C**, Adams P, Lish JD, Weissman MM. (1995) Is the comorbidity between social phobia and panic disorder due to familial cotransmission or other factors? **Archives of General Psychiatry**, 52 (7), 574 – 582. *Impact Factor: 13.9*
- Goldstein RB, Weissman MM, Adams PB, Horwath E, Lish JD, Chaney D, Woods SW, **Sobin C**, Wickramaratne P. (1994) Psychiatric disorders in relatives of probands with panic disorder and/or major depression. **Archives of General Psychiatry**, 51 (5), 383 – 394. *Impact Factor: 13.9*
- Sobin C**, Weissman MM, Goldstein RB. (1993) Diagnostic interviewing for family studies: comparing telephone and face-to-face methods for the diagnosis of lifetime psychiatric disorders. **Psychiatric Genetics**, 3 (4), 227 – 233. *Impact Factor: 2.1*

Alpert M, Rosen A, Welkowitz J, **Sobin C**, Borod JC. (1989) Vocal acoustic correlates of flat affect in schizophrenia. Similarity to Parkinson's disease and right hemisphere disease and contrast with depression. **British Journal of Psychiatry, Suppl**, May (4), 51 – 56. *Impact Factor: 5.4*

MANUSCRIPTS IN REVIEW IN PEER-REVIEWED JOURNAL

Sobin C, Gutierrez M†, de la Riva, E†, Ortega, AX† (2009) Proton-coupled oligopeptide transporter 2*2 polymorphism alters the acute effects of low-level circulating blood lead on neurocognitive function in children. *In review*.

RECENT PRESENTATIONS AT PROFESSIONAL CONFERENCES

Ortega A X†, Gutierrez M†, de la Riva E†, **Sobin C**. (2009) Longitudinal study of sub-clinical blood lead levels and anthropometric measurement in children. Association of Psychological Science, San Francisco, CA, May 2009, *poster presentation*.

Gutierrez M†, Ortega A X†, de la Riva E†, **Sobin C**. (2009) Performance of children with low blood lead levels on the Simon Task. Association of Psychological Science, San Francisco, CA, May 2009, *poster presentation*.

Alterio H†, Gutierrez M†, **Sobin C**. (2008) Motor dexterity differences in children with subclinical blood lead levels. Armadillo Southwest Cognition Conference, El Paso, TX, October 2008, *poster presentation*.

Gutierrez M†, Alterio H†, **Sobin C**. (2008) Sustained visual attention in children with subclinical blood lead levels. Armadillo Southwest Cognition Conference, El Paso, TX, October 2008, *poster presentation*.

Sobin C, Kiley-Brabeck K†, Monk SH†, Khuri J†, Karayiorgou M. Gender differences in the behavior of children with the 22q11 deletion syndrome. Association of Psychological Sciences, Chicago, IL, May 2008, *poster presentation*.

Sobin C, Kiley-Brabeck K†, Daniels S†, Blundell M, Karayiorgou, M. Networks of attention in children with the 22q11 deletion syndrome. Society of Cognitive Neuroscience, New York, NY, April 2003, *poster presentation*.

Sobin C, Kiley-Brabeck K†, Daniels S†, Blundell M†, Karayiorgou, M. Attention and executive function in children with the 22q11 deletion syndrome. Neuroscience Retreat of The Rockefeller University, New Paltz, New York, March 2002, *poster presentation*.