BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
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NAME	POSITION TITLE
Peters, Sarika U.	Assistant Professor
eRA COMMONS USER NAME (credential, e.g., agency login) sarikap	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
Austin College, Sherman, TX	BA	05/93	Psychology
The University of Texas at Austin, TX	PhD	08/00	School Psychology
The University of Tennessee Health Sciences Center	Internship	1999-2000	Psychology Internship
The University of Tennessee Health Sciences Center-Boling Center for Developmental Disabilites	Fellowship	2000-2001	Developmental Disabilities

A. Positions and Honors

Positions

2001-2003 Instructor, Meyer Center for Developmental Pediatrics, Department of Pediatrics, Baylor College of Medicine and Texas Children's Hospital

2003-2009 Assistant Professor, Meyer Center for Developmental Pediatrics, Department of Pediatrics, Baylor College of Medicine and Texas Children's Hospital

2009-pres Assistant Professor, Department of Pediatrics, Vanderbilt University Medical Center and Vanderbilt Kennedy Center for Research on Human Development

Honors

1993 - Cum Laude graduate with high honors in psychology, Austin College
1997 - Boscombe Royall and Frances Fallon Fuller Scholarship award, University of Texas at Austin
2000 - Nominated for outstanding dissertation award, University of Texas at Austin
2000 - Leadership Education in Neurodevelopmental Disabilities (LEND) trainee fellowship award

Professional Memberships

2008 - pres Member, International Society for Autism Research
2005 - pres Member, American Society for Human Genetics
2008 – pres Scientific Advisory committee member, Angelman Syndrome Foundation

B. Selected peer-reviewed publications (selected from 23 peer-reviewed publications)

Most relevant to the current application

1. Peters, S.U., Goddard-Finegold, J., Beaudet, A.L., Madduri, N., Turcich, M., & Bacino, C. Cognitive and adaptive behavior profiles of children with Angelman Syndrome (2004). *American Journal of Medical Genetics*, 128 (2), 110-113.
2. Peters, S.U., Beaudet, A.L., Madduri, N., & Bacino, C. Autism in Angelman Syndrome: Implications for Autism Research (2004). *Clinical Genetics, 66*, 530-536.
3. T. Sahoo*, S.U. Peters*, N.S. Madduri, D.G. Glaze, J.R. German, L.M. Bird, R. Barbieri-Welge, T.J. Bichell, A.L. Beaudet, C.A. Bacino. Microarray-based comparative genomic hybridization testing in deletion-bearing

Angelman Syndrome patients: Genotype-phenotype correlations (Published online 23 Sept. 2005) *Journal of Medical Genetics*.

4. Ramocki, M.B.*, Peters, S.U.*, Tavyev, Y.J.*, Zhang, F., Carvalho, C.M.B., Schaaf, C.P., Fang, P., Glaze, D.G., Lupski, J.R., Zoghbi, H.Y. Autism and other Neuropsychiatric Symptoms are Prevalent in Individuals with the *MECP2* Duplication Syndrome. *Ann Neurol.* 2009 Dec;66(6):771-82.
5. Ramocki, M., Tavyev, Y.J., Peters, S.U. The MeCP2 duplication syndrome. *Am J Med Genet A*. 2010 May;152A(5):1079-88.
6. Peters, S.U., Bird, L.M., Kimonis, V., Glaze, D., Shinawi, L., Bichell, T.J., Barbieri-Welge, R., Nespeca, M., Anselm, I., Waisbren, S., Sanborn, E., Golden, S., Kelly, C., Ahmed, A., Anzaldi, R., Sun, Q., O'Brien, W., Bacino, C.A. Double-blind therapeutic trial in Angelman Syndrome using betaine and folic acid to promote global methylation (In Press). *American Journal of Medical Genetics, Part A*.
7. Gentile, J.K., Tan, W.H., Horowitz, L.T., Bacino, C.A., Skinner, S.A., Barbieri-Welge, R., Bauer-Carlin, A., Beaudet, A.L., Bichell, T.J., Lee, H.S., Sahoo, T., Waisbren, S.E., Bird, L.M., Peters, S.U. A neurodevelopmental survey of Angelman syndrome with genotype-phenotype correlations (In Press). *Journal of Developmental and Behavioral Pediatrics.*
8. Peters, S.U., Bacino, C.A., Adapa, P., Chu, Z., Yallampalli, R., Traipe, E., Hunter J.V., Wilde, E.A. White matter alterations are associated with the clinical phenotype in Angelman Syndrome. (In revision). *Developmental Medicine and Child Neurology.*

Additional recent publications of importance to the field (in chronological order)

1. Berg, J.S., Brunetti-Pierri, N., Peters, S.U., Kang, S.H.L., Fong, C.T., Salamone, J., Freedenberg, D., Hannig, V.L., Prock, L.A., Miller, D.T., Raffalli, P., Harris, D.J., Erickson, R.P., Cunniff, C., Clark, G.D., Peiffer, D.A., Gunderson, K.L., Sahoo, T., Patel, A., Lupski, J.R., Beaudet, A.L., Cheung, S.W. Speech delay and autism spectrum behaviors are frequently associated with duplication of the 7q11.23 Williams-Beuren syndrome region (2007). *Genetics in Medicine*, 9(7):427-41.
2. Sahoo, R., Bacino, C.A., German, J.R., Shaw, C.A., Bird, L.M., Kimonis, V., Beaudet, A.L., Peters, S.U. Identification of novel deletions of 15q11q13 in Angelman syndrome by array-CGH: Molecular characterization and genotype-phenotype correlations (2007). *European Journal of Human Genetics, 15(9):943-9.*
3. Moretti P, Peters SU, Del Gaudio D, Sahoo T, Hyland K, Bottiglieri T, Hopkin RJ, Peach E, Min SH, Goldman D, Roa B, Bacino CA, Scaglia Brief report: autistic symptoms, developmental regression, mental retardation, epilepsy, and dyskinesias in CNS folate deficiency. (2008) *J Autism Dev Disord*. Jul;38(6):1170-7. Epub 2007 Nov 20.
4. Brunetti-Pierri N, Sahoo T, Frioux S, Chinault C, Zascavage R, Cheung SW, Peters S, Shinawi M. 15q13q14 deletions: phenotypic characterization and molecular delineation by comparative genomic hybridization. 2008 Aug 1. *Am J Med Genet A.: 146A*(15):1933-41.
5. Sahoo T, Del Gaudio D, German JR, Shinawi M, Peters SU, Person RE, Garnica A, Cheung SW, Beaudet AL. (2008) May 25. [Epub ahead of print]. Prader-Willi phenotype caused by paternal deficiency for the HBII-85 C/D box small nucleolar RNA cluster. *Nat Genet*. PMID: 18500341.
6. Shinawi, M. Patel, A., Panichkul, P., Peters, S.U., Scaglia, F. (2009) Jun. The Xp Contiguous Deletion Syndrome and Autism. *American Journal of Medical Genetics* 149A(6):1138-48.
7. Wiśniowiecka-Kowalnik, B., Nesteruk, M., Peters, S.U., Xia, Z. Cooper,M. L., Savage, S., Amato, R.S., Bader, P., Browning, M.F., Haun, C.L., Duda III, A.W., Cheung, S.W., & Stankiewicz, P. Intragenic rearrangements in NRXN1 in three families with autism spectrum disorder, developmental delay, and speech delay. *Am J Med Genet B Neuropsychiatr Genet*. 2010 Feb 16. [Epub ahead of print]

C. Research Support

Ongoing Research Support

No study number Peters (PI) 01/2010 – 12/2010
Angelman Syndrome Foundation

The use of conventional and complementary and alternative treatments for problem behaviors in Angelman syndrome.
To examine the prevalence of use for different types of conventional as well as complementary and alternative medicine (CAM) therapies for the treatment of problem behaviors among children diagnosed with Angelman Syndrome (AS).
Role: PI

2U54 RR019478-07 Percy (PI, UAB) 08/01/09 – 07/31/14
NIH/NCRR
Rare Disease CRC for New Therapies and New Diagnostics: Angelman Syndrome
The goal of this project is to identify the natural history of children and adults with Angelman syndrome, including neurological, medical, cognitive, and behavioral functioning, and to conduct clinical trials across program sites. (Vanderbilt site – Dykens, PI)
Role: Co-Investigator

Completed Research Support

No study number Peters (PI) 01/08-03/09
Angelman Syndrome Foundation
Neuroimaging Studies in Angelman Syndrome
To examine the neuroanatomical correlates that contribute to the overall phenotype in Angelman Syndrome (AS) and to examine and the disruptions on cortical and subcortical neuroconnectivity as pathophysiological mechanisms underlying AS.
Role: PI

Simons Simplex Collection Beaudet, Treadwell-Deering (PI) 04/08 – 11/09
Simons Foundation
The goal of the Simons Simplex Collection (SSC) is to learn more about the molecular basis of autism and related disorders. To do this, the SSC is creating a resource of blood samples and clinical information that researchers can study as they search for connections between genes and specific behaviors. The SSC will gather the following information and materials from individuals who appear to be affected with autism and their family members: (a) blood samples and (b) clinical data, including medical, diagnostic, and family history information.
Role: Co-Investigator/Phenotyping Site Supervisor

GCRC Beaudet (PI) 12/05 – 11/09
The role of the Rett gene, Chromosome 15q11-q13, other genes, and epigenetics in autism
This protocol proposes to carry out in-depth medical, developmental, and behavioral evaluation of individuals with typical autism caused by known epigenetic or genetic abnormalities and to carry out genetic and epigenetic studies of selected genes in patients with autism where the underlying cause is not known.
Role: Co-investigator