

Nancy Raitano Lee, Ph.D.

Maiden Name: Nancy Ann Raitano

Department of Psychology
Drexel University
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Philadelphia, PA 19104
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EDUCATION

- 8/2006 Doctor of Philosophy:
Child Clinical Psychology with Specialization in Developmental Cognitive Neuroscience
University of Denver (Denver, CO)
- 3/2002 Master of Arts:
Child Clinical Psychology
University of Denver (Denver, CO)
- 5/1997 Bachelor of Science with Honors and Distinction:
Human Development and Family Studies
Cornell University (Ithaca, NY)

CLINICAL LICENSURE and CREDENTIALING

- 5/2009- present Licensed Psychologist; *State of Maryland #04551*
- 5/2010-present Credentialed member of the NIH Clinical Center Medical Staff
- 1/2012-present Credentialed Psychologist with the *National Register of Health Service Providers in Psychology #53414*

FELLOWSHIPS and AWARDS

- 11/2011 National Register of Health Service Providers in Psychology 2011 Early Career Psychologist
Credentialing Scholarship
- 9/2007-3/2010 National Institutes of Health Postdoctoral Intramural Research Training Award
- 3/2007 Gatlinburg Conference on Research and Theory in Intellectual Disabilities
Theodore Tjossem Postdoctoral Travel Award
- 1/2006 Sie Foundation Student Poster Award for Down Syndrome Research
- 3/2004 Harry Gollob Award for Best Graduate Student First Author Publication
- 7/2002 Merck Biology of Developmental Disabilities Summer Institute Fellowship
- 9/1999 Colorado Graduate Fellowship
- 5/1997 Cornell College of Human Ecology Outstanding Senior Award
- 5/1997 Cornell Tradition Outstanding Senior Award
- 8/1993-5/1997 Dean's List
- 8/1993-5/1997 Cornell Tradition Fellow

POSITIONS

- 9/2014 - present ASSISTANT PROFESSOR
Drexel University, College of Arts and Sciences (Philadelphia, PA)
Department of Psychology
- 3/2010 to 8/2014 RESEARCH FELLOW
National Institutes of Health Intramural Research Program (Bethesda, MD)
Child Psychiatry Branch, NIMH
- 9/2007 to 3/2010 NIH INTRAMURAL RESEARCH TRAINING AWARD–POSTDOCTORAL FELLOW
National Institutes of Health Intramural Research Program (Bethesda, MD)
Child Psychiatry Branch, NIMH
- 8/2006 to 8/2007 PSYCHOLOGY POSTDOCTORAL CLINICAL AND RESEARCH FELLOW
University of Colorado School of Medicine (Denver, CO)
University Center for Excellence in Developmental Disabilities JFK Partners Program
- 9/2005-8/2006 PSYCHOLOGY PREDOCTORAL CLINICAL FELLOW (50% time)
University of Colorado School of Medicine (Denver, CO)
University Center for Excellence in Developmental Disabilities
JFK Partners Autism and Developmental Disabilities Clinic
- 8/2004-8/2005 PSYCHOLOGY PREDOCTORAL CLINICAL INTERN
The Children's Hospital (Denver, CO)
- 9/1999 to 8/2006 PART-TIME PREDOCTORAL TRAINEE (Multiple Positions)
- 9/2003 - 5/2004: *Research Assistant ~ The Children's Hospital (Denver, CO)*
Department of Neonatology (Denver, CO)
 - 9/1999 – 8/2004: *Research Assistant ~ University of Denver (Denver, CO)*
NIH-Funded Research: ADHD & Executive Functions: Relation to Learning Disabilities (2002-3); Identification of Genes Influencing Reading Disability (2001); Linguistic Phenotype in Familial Dyslexia (1999-2004)
 - 9/2001-8/2003: *Psychology Predoctoral Clinical Extern*
The Children's Hospital (Denver, CO)
Department of Rehabilitation
 - 4/2000 – 5/2004: *Psychology Predoctoral Clinical Trainee*
Department of Psychology; University of Denver
~Child Study Center
~Developmental Neuropsychology Clinic
- 6/1997-8/1999 PROFESSIONAL RESEARCH ASSISTANT
New York State Psychiatric Institute & New York University (New York, NY)
- 9/1993-6/1997 PART-TIME UNDERGRADUATE RESEARCH ASSISTANT
Cornell University (Ithaca, New York)
Infant Cognition Laboratory

TEACHING EXPERIENCE

Formal Graduate Coursework

Instructor (Adjunct): Cognitive Assessment of Children [Fall 2006]

University of Denver; Department of Psychology (Denver, CO)

Seminars

Summer Student Group Co-Facilitator: Developmental Disabilities Journal Club [Summer 2009]

National Institutes of Health Intramural Research Program (Bethesda, MD)

Graduate Health Professional Program Seminar Co-Facilitator: Bioethics [Winter 2007]

University of Colorado School of Medicine (Denver, CO)

Supervision/Mentorship

Supervisor to Post-Baccalaureate Trainees & Summer Interns [2007 – 2014]

Child Psychiatry Branch, National Institute of Mental Health (Bethesda, MD)

Developmental Neuropsychology Clinic Assistant [2002-2004]

University of Denver; Department of Psychology

Graduate Trainees

Nikhita Gogatae, M.S.

Vellore Institute of Technology, Vellore, India (*mentorship at National Institutes of Health, Bethesda, MD*)

OTHER ACADEMIC SERVICES

Grant Review

3/2008 & 5/2010 Association of University Centers on Disabilities, Invited Grant Peer Reviewer on Research Topic of Interest (RTOI) Grant Applications

Editorial Services

8/2014 – present Associate Editor, *Journal on Intellectual and Developmental Disabilities*

12/2007- 7/2014 Consulting Editor, *American Journal on Intellectual and Developmental Disabilities*

Ad Hoc Journal Reviews

Child Development; Developmental Cognitive Neuroscience; Genes, Brain, and Behavior; Journal of Abnormal Child Psychology; Journal of Abnormal Child Psychology; Journal of Child Psychology and Psychiatry; Journal of Developmental and Behavioral Pediatrics; Journal of Intellectual Disabilities Research; Journal of the International Neuropsychological Society; Journal of Neurodevelopmental Disorders; Nature

Committee Membership & Conference Service Activities

9/2014 Reviewer, *Society for Research in Child Development* (SRCD) 2015 Conference: Developmental Disabilities Panel

12/2010-present Child Psychiatry Representative, Clinical Fellows Committee, NIH

9/2003-5/2004 Colorado Psychological Association, Student Executive Board Member

9/2003-9/2004 American Psychological Association of Graduate Students (APAGS), State Advocacy Coordinator

9/2002-9/2003 APAGS, University of Denver, Psychology Department Representative

MANUSCRIPTS AND PRESENTATIONS

MANUSCRIPTS

-2014-

- Daunhauer, L. A., & Fidler, D. J. , Hahn, L. , **Lee, N.**, Will, E. & Hepburn, S. (2014). Profiles of everyday executive functioning in young children with Down syndrome. *American Journal of Intellectual and Developmental Disabilities, 119*, 303-318.
- Lee, N. R.**, Wallace, G. L., Raznahan, A., Clasen, L. S., & Giedd, J.N. (2014). Trail making test performance in youth varies as a function of anatomical coupling between the prefrontal cortex and distribute cortical regions. *Frontiers in Psychology, doi: 10.3389/fpsyg.2014.00496*
- Raznahan, A., **Lee, N.R.**, Greenstein, D., Wallace, G.L., Blumenthal, J.D., Clasen, L.S., Giedd, J.N. (2014). Globally Divergent but Locally Convergent X- and Y-Chromosome Influences on Cortical Development. *Cerebral Cortex, epub ahead of print.*

-2013-

- Blumenthal, J. D., Baker, E.H., **Lee, N.R.**, Wade, B., Clasen, L.S., Lenroot, R.K., & Giedd, J.N. (2013). Brain morphological abnormalities in 49,XXXXY syndrome: A pediatric magnetic resonance imaging study. *Neuroimage: Clinical, 2*, 197-203.
- Lee, N. R.**, Raznahan, A., Wallace, G. L., Alexander-Bloch, A., Clasen, L. S., Lerch, J. P., & Giedd, J.N. (2013). Anatomical coupling among distributed cortical regions in youth varies as a function of individual differences in vocabulary abilities. *Human Brain Mapping, 35*, 1885-1985.

-2012-

- Lee, N.R.**, Wallace, G.L., Adeyemi, E.I., Lopez, K.C., Blumenthal, J.D., Clasen, L.S., Giedd, J.N. (2012). Dosage effects of X and Y chromosomes on language and social functioning in children with supernumerary sex chromosome aneuploidies: implications for idiopathic language impairment and autism spectrum disorders. *Journal of Child Psychology and Psychiatry, 53*, 1072-81.
- Raznahan, A., Greenstein, D., **Lee, N.R.**, Clasen, L.S., Giedd, J.N. (2012). Prenatal growth in humans and postnatal brain maturation into late adolescence. *Proceedings of the National Academies of Sciences, 109*, 11366-71.
- Wallace, G. L., Shaw, P., **Lee, N. R.**, Clasen, L. S., Raznahan, A., Lenroot, R. K., Martin, A., & Giedd, J. N. (2012). Distinct cortical correlates of autistic versus antisocial traits in a longitudinal sample of typically developing youth. *Journal of Neuroscience, 32*, 4856-60.

-2011-

- Lee, N.R.**, Fidler, D., Blakeley-Smith, A., Daunhauer, L., Robinson, C., & Hepburn, S. (2011). Caregiver-report of executive functioning in a population-based sample of young children with Down syndrome. *American Journal on Intellectual and Developmental Disabilities, 116*, 290-304.

Lee, N.R., Lopez, K., Adeyemi, E., & Giedd, J.N. (2011). Sex chromosome aneuploidies: A window for examining the effects of the X and Y chromosomes on speech, language, and social development. *International Review of Research in Developmental Disabilities*, 40, 139-180.

Lee, N.R., Wallace, G.L. Clasen, L.S. Lenroot, R.K., Blumenthal, J. D., White, S.L., Celano, M.J., Giedd, J.D. (2011). Executive Function in Young Males with Klinefelter (XXY) Syndrome with and without Comorbid Attention-Deficit/Hyperactivity Disorder. *Journal of the International Neuropsychological Society*, Epub ahead of print, March 22, 2011, 1-9.

Raznahan, A., Lerch, J.P., **Lee, N.R.**, Greenstein, D., Wallace, G.L., Stockman, M., Clasen, L., Shaw, P.W., Giedd, J.N. (2011). Patterns of coordinated anatomical change in human cortical development: A longitudinal neuroimaging study of maturational coupling. *Neuron*, 72, 873-874.

-2010-

DiGuseppi, C., Hepburn, S., Davis, J., Fidler, D., Hartway, S., **Lee, N. R.**, Miller, L., Rutterber, M., Robinson, C. (2010). Screening for autism spectrum disorders in children with Down syndrome: population prevalence and screening test characteristics. *Journal of Developmental and Behavioral Pediatrics*, 31, 181-191.

Giedd, J.N., Stockman, M., Weddle, C., Liverpool, M., Alexander-Bloch, A., Wallace, G.L., **Lee, N.R.**, Lalonde, F., Lenroot, R.K. (2010) Anatomic magnetic resonance imaging of the developing child and adolescent brain and effects of genetic variation. *Neuropsychology Review*, 20, 349-61.

Lee, N.R., Pennington, B.F., Keenan, J. (2010). Verbal short-term memory deficits in Down syndrome: Phonological, semantic, or both? *Journal of Neurodevelopmental Disorders*, 2, 9-25.

*Wallace, G.L./**Lee, N.R.**, Prom-Wormley, E.C./Medland, S.E., Lenroot, R.K., Clasen, L.C., Schmitt, J.E., Neale, M.C., Giedd, J. N. (2010). A bivariate twin study of regional brain volume and verbal and nonverbal intellectual skills during childhood and adolescence. *Behavior Genetics*, 40, 125-134.
(*Co-first authors)

-2009-

Giedd J.N., Lalonde F.M., Celano M.J., White S.L., Wallace G.L., **Lee N.R.**, Lenroot R.K. (2009). Anatomical brain magnetic resonance imaging of typically developing children and adolescents. *Journal of the American Academy of Child and Adolescent Psychiatry*, 48, 465-470.

Lenroot, R., **Lee, N.R.**, & Giedd, J. (2009). Effects of sex chromosome aneuploidies on brain development: Evidence from neuroimaging studies. *Developmental Disabilities Research Reviews*, 15, 318-327.

Phinney, E., Pennington, B. F., **Lee, N.R.**, Boada, R. (2009). Directional effects between rapid auditory processing and phoneme awareness in children. *Journal of Child Psychology and Psychiatry*, 50, 902-910.

Rosenberg A.A., **Lee N.R.**, Vaver K.N., Werner D., Fashaw L., Hale K., & Waas N. (2009). School-age Outcomes of Newborns treated for Persistent Pulmonary Hypertension. *Journal of Perinatology*, 1-8.

^Lee (Raitano), N.R., Pennington, B.F., Tunick, R.A., & Boada, R. (2004). Pre-Literacy skills in subgroups of children with speech sound disorders. *Journal of Child Psychology and Psychiatry*, 45, 821-835. (Note: published using maiden name Raitano).

Book Chapters

Giedd, J.N., Adeyemi, E.I., Stockman, M., Lee, N.R., Lenroot, R., Kruesi, M. (2012). Neuroanatomic maturation and aggression during adolescence. In C.R. Thomas & K. Pope (Eds.), *The Origins of Antisocial Behavior: A Developmental Perspective* (pp. 57-70). New York: Oxford Press.

Giedd, J.N., Raznahan, A., Lee, N.R., Weddle, C., Liverpool, M., Stockman, M., Wells, E., Clasen, L., Blumenthal, J., Lenroot, R., Lalonde, F. (2012). Structural magnetic resonance imaging of typically developing children and adolescents. In E. Amsel & J. Smetana (Eds.), *Adolescent Vulnerabilities and Opportunities: Developmental and Constructivist Perspectives* (pp. 23-40). New York: Cambridge University Press.

Papers Presented at Scholarly Meetings

Lee, N.R., Adeyemi, E.I., Giedd, J.N. (2013, March). *Caregiver-report of structural and pragmatic language skills in Down syndrome: Evidence for a syndrome-specific language profile and convergence with direct neuropsychological testing?* Paper presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities. San Antonio, TX.

Lee, N.R., Adeyemi, E.I., Spano, G., Clasen, L., Fassassi, B., Will, E., Stejksal, K., Whynott, J., Giedd, J., Daunhauer, L., Fidler, D., Edgin, J. (2013, April). *Do executive function (EF) skills change with age in youth with Down syndrome.* Paper presented at the Workshop on Cognition in Down syndrome: Molecular, Cellular and Behavioral Features and the Promise of Pharmacotherapeutics. Washington, DC.

Lee, N.R., Wallace, L., Weddle, C.R., Liverpool, M., Clasen, L.S., Blumenthal, J. Lenroot, R., & Giedd, J. (2009, October). *Executive function profiles of males and females with an extra X chromosome.* Paper presented at the Society for the Study of Behavioral Phenotypes Annual Meeting. Cambridge, England.

Selected Posters Presented at Scholarly Meetings

Adeyemi, E.I., Giedd, J.N., & Lee, N.R. (2013, March). *Triplets discordant for Down syndrome: An analysis of brain and behavior.* Poster session presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, TX.

Adeyemi, E.I., Lopez, K.C., Clasen, L.S., Blumenthal, J.B., Giedd, J.N., & Lee, N.R. (2011, November). *Dosage effects of additional X and Y chromosomes on externalizing behavior problems: A retrospective data analysis of the Child Behavior Checklist.* Poster session presented at the Society for Neuroscience, Washington, DC.

Lee, N.R., Hepburn, S., Philofsky, A., Fidler, D., Rogers, S., & Pennington, B.F. (2007, March). *Developmental trajectories of language skills in toddlers and adolescents with Down syndrome.* Poster session presented at the Gatlinburg Conference on Research and Theory in Intellectual and

Developmental Disabilities, Annapolis, MD.

- Lee, N.R.**, & Pennington, B.F. (2005). *An examination of the phonological and semantic contributions to the verbal short-term memory deficit in Down Syndrome*. Poster presented at the Sie Foundation Conference on Down Syndrome, Denver, CO.
- ^**Lee (Raitano), N.**, Tunick, R.A., Boada, R., Pennington, B.F., & Clarkson, M. (2002, February). *Temporal auditory processing in children with speech/language disorders*. Poster session presented at the International Neuropsychological Society, Toronto, Ontario, Canada. (^Note: presented using maiden name Raitano).
- ^**Lee (Raitano), N.**, Canfield, R.L., Burnette, M.L., & Smith, E.G. (1998, April). *Stability and prediction of childhood RT and IQ from infancy: A four-year longitudinal study*. Poster session presented at the International Conference on Infant Studies, Atlanta, GA. (^Note: presented using maiden name Raitano).
- Snow, K.L., & ^**Lee (Raitano), N.** (1998, April). *Stability of infant attention during play and information processing speed*. Poster session presented at the Society for Research in Child Development, Albuquerque, NM. (^Note: presented using maiden name Raitano).

Community Workshops

- Parent Workshop: Down syndrome – A parent's guide to research on cognitive & brain development.*
Fairfax County School District: Eight Annual Special Education Conference
Alexandria, VA; March 2013
- Parent & Professional Workshops: Cognitive & brain development in Down syndrome.*
Fairfax County School District Parent Resource Center; Dunn Loring, VA; February, 2013
Washington Speech and Hearing Discussion Group; Rockville, MD; January, 2013
Health Services for Children with Special Needs; Washington, DC; December 2012
Archdiocese of Washington 4th Annual Conference on Faith, Deafness & Disabilities
Washington, DC; April 2012
- Professional Workshops: Child cognitive development.*
Montgomery County's Center for Continuous Learning; Rockville, MD; November 2009, 2011
Gunston Middle School; Arlington, VA; February 2008
- Professional Workshop: An Overview of intellectual and learning disabilities for neuropsychiatric nurses.*
NIMH Neuropsychiatric Nurse Fellow Program; Bethesda, MD; July 2009
- Parent Workshop: Brain imaging in sex chromosome aneuploidies: Preliminary findings for XXX.*
Knowledge, Support, and Advocacy Family Meeting; Denver, CO; August 2008
- Parent Workshop: Brain imaging in sex chromosome aneuploidies: Preliminary findings for XYY.*
Knowledge, Support, and Advocacy Family Meeting; Denver, CO; August 2008
- Professional Workshop: Learning and behavioral challenges associated with Down syndrome.*
Developmental Pathways; Denver, CO; March 2007