

Nancy Raitano Lee, Ph.D.

Maiden Name: Nancy Ann Raitano

Department of Psychology
Drexel University
3141 Chestnut Street, Stratton 119
Philadelphia, PA 19104
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EDUCATION

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

CLINICAL LICENSURE and CREDENTIALING

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

FELLOWSHIPS and AWARDS

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|---------------|-------------------------------------------------------------------------------------------------------------------------|
| 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., Rutternber, 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., Stejskal, 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