

Curriculum Vitae

NANCY RAITANO LEE, PH.D.

Department of Psychological and Brain Sciences
Drexel University
3201 Chestnut Street, Stratton 290
Philadelphia, PA 19104
Email: nrl39@drexel.edu
Ph: 215.895.2937 F: 215.895.4130

I. EDUCATION

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

II. CLINICAL LICENSURE AND CREDENTIALING

- 2015–present Licensed Psychologist; *State of Pennsylvania* # PS017773
- 2012–present Credentialed Psychologist with the *National Register of Health Service Providers in Psychology* #53414
- 2009-2015 Licensed Psychologist; *State of Maryland* #04551
- 2010-2015 Credentialed member of the NIH Clinical Center Medical Staff

III. FELLOWSHIPS, AWARDS, AND HONORS

- 2017, 20 Philadelphia Neuropsychological Society Mentor Award
- 2018 Drexel University Career Development Award
- 2018–present Fellow, AJ Drexel Autism Institute

- 2016 Antelo Devereux Award for
Young Faculty Demonstrating Exceptional Potential in Research
- 2015,16 Nomination for Outstanding Mentor,
Drexel University STAR Summer Scholars Program
- 2011 National Register of Health Service Psychologists
Early Career Psychologist Credential Scholarship
- 2007 Gatlinburg Conference on Research and Theory in Intellectual Disabilities
Theodore Tjossem Postdoctoral Travel Award
- 2006 Sie Foundation Student Poster Award for Down Syndrome Research
- 2004 Harry Gollob Award for Best Graduate Student First Author Publication
- 2002 Merck Biology of Developmental Disabilities Summer Institute Fellowship
- 1999 Colorado Graduate Fellowship
- 1997 Cornell College of Human Ecology Outstanding Senior Award
- 1997 Cornell Tradition Outstanding Senior Award
- 1993-1997 Dean's List
- 1993-1997 Cornell Tradition Fellow

IV. CURRENT POSITIONS

9/2020 – present ASSOCIATE PROFESSOR
Drexel University, College of Arts and Sciences (Philadelphia, PA)
Department of Psychological and Brain Sciences

Drexel Psychology Department Leadership Positions

2018 – present DIRECTOR, Neuropsychology Major Area of Study

2016 - 2022 DIRECTOR, Master of Science and Accelerated Bachelor/Master of Science
in Psychology Programs

V. PREVIOUS POSITIONS

- 9/2014 - 9/2020 ASSISTANT PROFESSOR
Drexel University, College of Arts and Sciences (Philadelphia, PA)
Department of Psychology
- 2010 - 2014 RESEARCH FELLOW
National Institutes of Health Intramural Research Program (Bethesda, MD)
Child Psychiatry Branch, NIMH
- 2007 - 2010 NIH INTRAMURAL RESEARCH TRAINING AWARD
POSTDOCTORAL FELLOW (Neuroimaging)
National Institutes of Health Intramural Research Program (Bethesda, MD)
Child Psychiatry Branch, NIMH
- 2006 - 2007 POSTDOCTORAL FELLOW (Clinical Psychology)
University of Colorado School of Medicine (Denver, CO)
University Center for Excellence in Developmental Disabilities JFK
Partners Program
- 2005 - 2006 PREDOCTORAL PSYCHOLOGY 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
- 2004 - 2005 PREDOCTORAL PSYCHOLOGY INTERN
The Children's Hospital (Denver, CO)
- 1997 - 1999 PROFESSIONAL RESEARCH ASSISTANT
New York State Psychiatric Institute & New York University (New York,
NY)

VI. GRANT REVIEW AND EDITORIAL POSITIONS

Ad Hoc Grant Reviews

- 2022 Eunice Kennedy Shriver National Institute of Child Health and Human
Development Special Emphasis Review Panel,
*RFA Panel: Exploratory/Developmental Research, Clinical Trials Readiness,
Phased Innovation, and Data Science in Down Syndrome for the INCLUDE
Project*
- 2018 Graduate Women in Science Fellowship Review Panel

- 2016 Eunice Kennedy Shriver National Institute of Child Health and Human Development Special Emphasis Review Panel,
Animal-Assisted Interventions for Special Populations
- 2015, 2016, 2022, 2023 Swiss National Science Foundation Humanities and Social Sciences Grant Review Panel
- 2008, 2010 Association of University Centers on Disabilities, Research Topic of Interest Review Panel

Editorial Positions

- 2018 - present EDITORIAL BOARD, *Research on Child and Adolescent Psychology / Journal of Abnormal Child Psychology*
- 2014 - 2019 ASSOCIATE EDITOR, *American Journal on Intellectual and Developmental Disabilities*
- 2008 - 2014 CONSULTING EDITOR, *American Journal on Intellectual and Developmental Disabilities*

Ad Hoc Journal Reviews

American Journal on Intellectual and Developmental Disabilities
American Journal of Medical Genetics
Autism
Brain Communications
Child Development
Child Neuropsychology
Clinical Psychology: Science and Practice
Developmental Cognitive Neuroscience
Developmental Medicine and Child Neurology
Genes, Brain, and Behavior
Journal of Abnormal Child Psych/ Research on Child & Adolescent Psychopathology
Journal of Autism and Developmental Disorders
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
Neuropsychology
Parenting: Science and Practice
Perceptual and Motor Skills
Research in Autism Spectrum Disorders
Research in Developmental Disabilities
Wellcome Open Research

Conference Submission Reviews

2018 *American Psychological Association Division 40 Program Committee:*
Conference Panel

2015 *Society for Research in Child Development: Developmental Disabilities Panel*

VII. GRANT FUNDING

Ongoing Support

National Institutes of Health (R21) PI: Lee 9/20/2021 to 8/31/2023
Executive dysfunction as a treatment target for DS clinical trials: An evaluation of its real-world and neural correlates.

This grant aims to a) examine links between executive dysfunction and both vocational status and adaptive skills in a large cohort of young adults with DS (n=200) from across the United States; b) evaluate the moderating influence of autistic traits on executive dysfunction and these functional outcomes; and c) link executive dysfunction with prefrontal cortical activity using functional near infrared spectroscopy (fNIRS) among young adults with DS (n=25).

Role: PI (MPI with Wallace)

Total Costs: \$419,385

Administrative Supplement to Executive dysfunction as a treatment target for DS clinical trials: An evaluation of its real-world and neural correlates.

Total Costs Supplement: \$121,521

National Institutes of Health (R21) PI: Lee 9/20/2019 to 8/31/2023 (NCE)
fNIRS as an outcome measure of the prefrontal hemodynamic response in Down syndrome

This grant aims to evaluate the utility of fNIRS to measure differences in the hemodynamic response as a function of group (Down syndrome vs control) and comorbid sleep impairment.

Role: PI (MPI with Edgin & Ayaz)

Total Costs: \$436,413

AJ Drexel Autism Institute Pilot Grant PI: Lee 10/1/2018 - 9/30/2023 Paused during pandemic
Preliminary Evaluation of Relations between NIMH Research Domain Criteria Constructs and Quality of Life in Young Adults with Autism Spectrum Disorder

The study aims to examine the association between five key constructs of the National Institute of Mental Health (NIMH) Research Domain Criteria (RDoC) framework and quality of life in adults with ASD

Role: PI

Total Costs: \$20,000

Completed Support

National Institutes of Health (R21) PI: Fidler 9/20/2019 to 8/31/2022

Early risk for ADHD symptoms in young children with Down syndrome

This grant aims to examine early risk factors, particularly impaired executive cognition, in the prediction of ADHD symptomatology in preschoolers with Down syndrome

Role: Co-I

Subcontract Total Costs: \$23,476

National Institutes of Health (R01 Supplement) PI: Robins 11/1/2018 – 10/31/2022

Extending the Early Start Denver Model to Young Children with Down Syndrome

The goal of this study is to test the effectiveness of the ESDM early intervention program for improving developmental outcomes in toddlers with Down syndrome.

Role: Co-I

Total Costs: \$777,413 total costs

Lejeune Foundation Grant PI: Lee 12/21/2015 – 9/20/2018

Elucidating the Cognitive Underpinnings of Reading Comprehension Difficulties in Children with Down Syndrome

The goal of this study is to examine different cognitive processes that relate to reading comprehension difficulties in Down syndrome in order to identify novel targets of intervention to improve reading outcomes.

Role: PI

Total costs: \$38,209

Drexel University Antelo Devereux Award 7/1/2016 – 12/31/2017

Parenting behaviors and the development of executive function: Identifying a possible window of opportunity for improving executive function in youth with Down syndrome

The goal of this study is to examine relationships between parenting behaviors and executive function in youth with Down syndrome and other forms of intellectual disability in order to identify possible parenting intervention targets to improve executive function in these at-risk groups.

Role: PI

Total costs: \$7,000

Drexel University Career Development Award 7/1/2018 – 6/30/2019

Executive Function and Intellectual Disability – Developing Interventions to Foster Success

Support provided from the Office of Faculty Affairs (with cost-sharing from Psychology) to fund symposium and collaboration focused on executive function and its interventions for youth with intellectual disability and other neurodevelopmental disorders.

Role: PI

Total costs: \$5,500

National Institutes of Health (R21) PI: Vivanti 9/1/2017 - 8/31/2019
Improving Child-Treatment Fit in Autism Early Intervention

The goal of this study is to develop a test protocol to characterize learning profiles of toddlers with autism to predict which of two early intervention programs a child may be best suited for and then evaluate how treatment fit influences outcomes.

Role: Co-I

Total Costs: \$430,375

National Institutes of Health (R01) PI: Edgin 9/22/2016 - 6/30/2022
Memory Measures for Clinical Trials in Down syndrome and Fragile X syndrome

The goal of this study is to test the appropriateness of computer-administered test battery to assess memory skills in children and adolescents with Down and fragile X syndromes

Role: Subcontract PI; Grant Co-I

Subcontract Total Costs: \$ 941,958.33

Other Completed Support

Drexel University Undergraduate Co-Op Research Funding 4/2/2018 – 9/21/2018

Support provided from the Office of the Provost and the Steinbright Career Development Center to fund 50% of a full-time paid co-op position for an undergraduate to work in my laboratory on research projects.

Role: PI

Total costs: \$7,250

Student Grant/Fellowship Support

Emily Reid O'Connor Memorial Fellowship 9/1/2021 – 6/20/2022

Student: Catherine Stephan, Clinical Psychology Doctoral Program

Funding for dissertation thesis on predictors of employment outcomes for adults with intellectual disability

Role: Supervising mentor

Total costs: \$1,500

Undergraduate Research & Enrichment Program 1/11/21 – 12/31/2021

Mini Grants for Students

Student: Emily Hostetter, Psychology undergraduate

Role: Supervising mentor

Total costs: \$1,500

NIH Diversity Supplement 9/1/20 - 6/30/21

Student: Annalysa Lovos, Cognition & Neural Systems Doctoral Program, University of Arizona
Memory Measures for Clinical Trials in Down syndrome and Fragile X syndrome, Diversity Training Supplement 3021292

Funding for Annalysa’s training and for a neuroimaging research study that is a supplement to the above-mentioned R01 grant, on which I am a co-I and Drexel’s site PI
Role: Secondary Mentor
Total costs: \$53,000

National Science Foundation Graduate Research Fellowship 9/2019 – 8/2022

Student: Kelsey Csumitta, Clinical Psychology Doctoral Program
Characterizing the dynamics between Task-Positive and Task-Negative brain networks
Funding for three years of graduate education – tuition remission, stipend, and other related training costs

Role: Supervising mentor
Total costs: \$138,000

John E. Gordon Dissertation Award from the Philadelphia Neuropsychological Society 1/22/2020 – 1/21/2021

Student: Taralee Hamner, Clinical Psychology Doctoral Program
Funding for dissertation thesis on social cognition in toddlers with Down syndrome or autism

Role: Co-Supervising mentor
Total costs: \$1,500

Mamie Phipps Clark Research Grant for Diversity 6/1/2017 – 5/31/2019

Student: Mary Godfrey, Clinical Psychology Doctoral Program
Funding for master’s thesis on memory profiles in children with Down syndrome.

Role: Supervising mentor
Total costs: \$1,500

VIII. PROFESSIONAL CONSULTATION

Expert Panels/Advisory Boards

- | | |
|---------|--|
| 2022 | Consultant to D. Hessel on assessment of executive function among individuals with intellectual disabilities for 1R21HD106144-01, <i>Development of an Ecological Momentary Assessment Outcome Measure for Down Syndrome Clinical Trials</i> |
| 11/2020 | Neurodevelopment Pre-Conference Workshop Co-Chair and Presenter. Down Syndrome Research: The Intersection of Basic Science and Clinical Cohort Development. NIH-Sponsored Virtual Meeting |
| 8/2016 | Advances and Innovations for Collaborative Research in Fragile X, Autism and Sex Chromosome Variations: Working Toward Patient-Centered Outcomes Patient-Centered Research Institute Meeting, Emory University |

- 5/2016 Roche Patient-Centered Outcomes Research Advisory Board
- 4/2015 Down Syndrome Clinical Trials Outcome Measures Meeting,
Eunice Kennedy Shriver National Institute of Child Health and Human
Development (Led the Cognitive Outcome Measures Working Group)

Data Safety Monitoring Boards (DSMB)

- 2019 - 20
present National Institute of Mental Health - STTR Phase II
Small Business Technology Transfer Program
“Immersive Virtual Reality as a Tool to Improve Police Safety in
Adolescents and Adults with ASD”
DSMB meeting dates: 5/10/2019, 8/8/2019

IX. PEER REVIEWED PUBLICATIONS

(Note: * Graduate trainee; ** Undergraduate trainee; & former trainee)

Published/In Press

(Note: * Graduate trainee; ** Undergraduate trainee; & post-baccalaureate fellow)

1. Deborah J. Fidler, Kaylyn Van Deusen, Mark A. Prince, Emily K. Schworer, Nancy R. Lee, Jamie O. Edgin, Lina R. Patel & Lisa A. Daunhauer (2023) Longitudinal Predictors of Neurodevelopmental Outcomes in Children with Down Syndrome, *Developmental Neuropsychology*
2. Esbensen, A.J., Schworer, E.K., Lee, N. R., Hoffman, E.K., Yamamoto, K., & Fidler, D. (in press). Implications of using the BRIEF-preschool with school-age children with Down syndrome. *American Journal on Intellectual and Developmental Disabilities*.
3. Charlton, R. A., McQuaid, G., Bishop, L., Lee, N. R., & Wallace, G. (in press). Predictors of Sleep Quality for Autistic People across the Adult Lifespan. *Autism Research*.
4. Soltani, A., Schworer, E. K., Jacobson, L. A., Channell, M. M., Lee, N. R., Faught, G. G., ... & Esbensen, A. J. (2023). Confirmatory factor analysis of the BRIEF2 in a sample of youth with Down syndrome. *Journal of Intellectual Disability Research*, 67(2), 148-158.
5. Bishop, L., Charlton, R. A., McLean, K. J., McQuaid, G. A., Lee, N. R., & Wallace, G. L. (2023). Cardiovascular disease risk factors in autistic adults: The impact of sleep quality and antipsychotic medication use. *Autism Research*, 16(3), 569-579.

6. **Lee, N. R.** †, McQuaid, G. A., Grosman, H. E., Jayaram, S., & Wallace, G. L. (2022). Vocational Outcomes in ASD: An Examination of Work Readiness Skills as well as Barriers and Facilitators to Employment Identified by Autistic Adults. *Journal of Autism and Developmental Disorders*, 1-14.

† Nominated for the HHS Interagency Autism Coordinating Committee (IACC) 2022 Summary of Advances in Autism Research
7. Yerys, B., McQuaid, G.A., **Lee, N.R.**, & Wallace, G.W. (2022). Co-occurring ADHD symptoms in autistic adults are associated with less independence in daily living activities and lower subjective quality of life. *Autism*, 26(8), 2188-2195
8. McQuaid, G. A., Weiss, C. H., Said, A. J., Pelphrey, K. A., **Lee, N. R.**, & Wallace, G. L. (*in press*). Increased perceived stress is negatively associated with activities of daily living and subjective quality of life in younger, middle, and older autistic adults. *Autism Research*.
9. Csumitta, K. D.*, Gotts, S. J., Clasen, L. S., Martin, A., & **Lee, N. R.** (2022). Youth with Down syndrome display widespread increased functional connectivity during rest. *Scientific reports*, 12(1), 1-12.
10. **Lee, N.R.**, Niu, X.*, Zhang, F., Clasen, L., Kozel, B.A., Smith, A.C.M., Wallace, G.W., & Raznahan, A. (2022). Variegation of autism related traits across seven neurogenetic disorders. *Translational Psychiatry*, 12(1), 1-10.
11. Fidler, D.R., Prince, M.A., Van Deusen, K., Esbensen, A.J., Thurman, A., Abbeduto, L., Patel, L., Mervis, C., Schworer, E.K., **Lee, N.R.**, Edgin, J.O., & Daunhauer, L.A. (2022). Latent profiles of autism symptoms in children and adolescents with Down syndrome. *Journal of Intellectual Disability Research*, 66(3), 265-281.
12. Rau, S., Whitman, E. T., Schauder, K., Gogate, N.&, **Lee, N. R.**, Kenworthy, L., & Raznahan, A. (2021). Patterns of psychopathology and cognition in sex chromosome aneuploidy. *Journal of neurodevelopmental disorders*, 13(1), 1-12.
13. Lovos, A.*, Bottrill1, K., Sakhon, S., Nyhuis, C., Egleson, E., Luongo, E., Murphy, M., Thurman, A., Abbedutto, L., **Lee, N.R.**, Hughes, K., & Edgin, J. (2021). Circadian sleep-activity rhythm across ages in down syndrome. *Brain sciences*, 11(11), 1403.
14. Csumitta, K. *, Stephan, C. *, LaQuaglia, R., Miller, E., & **Lee, N.R.** (2022). Updated profiles of everyday executive function in youth with Down syndrome using the BRIEF-2. *Journal of Intellectual Disability Research*.
15. McQuaid, G. A., **Lee, N. R.**, & Wallace, G. L. (2021). Camouflaging in autism spectrum disorder: Examining the roles of sex, gender identity, and diagnostic timing. *Autism*, 136236132111042131.

16. Stephan, C. *, Clasen, L., Adeyemi, E. &, & **Lee, N. R.** (2021). Speech impairments explain unique variance in adaptive behavior skills in young people with Down syndrome. *American Journal of Speech-Language Pathology*, 30(1), 253-259.
17. **Lee, N. R.** §/ Nayak, A. §, Irfanoglu, M. O., Sadeghi, N., Stoodley, C. J., Adeyemi, E. &, Clasen, L.S., & Pierpaoli, C. (2020). Hypoplasia of cerebellar afferent networks in Down syndrome revealed by DTI-driven tensor based morphometry. *Scientific reports*, 10(1), 1-13. (§ Co-first authors)
18. Seidlitz, J., Nadig, A., Liu, S., Bethlehem, R. A., Vértes, P. E., Morgan, S. E., Váša, F., Romero-Garcia, R., Lalonde, F., Clasen, L.S., Blumenthal, J.D., Paquola, C., Bernhardt, B., Wagstyl, K., Polioudakis, D. de la Torre-Ubieta, L., Geschwind, D.H., Han, J.C., **Lee, N.R.**, Murphy, D.G., Bullmore, E.T., & Raznahan, A. (2020). Transcriptomic and cellular decoding of regional brain vulnerability to neurogenetic disorders. *Nature Communications*, 11(1), 1-14.
19. Godfrey, M. *, & **Lee, N. R.** (2020). A comprehensive examination of the memory profile of youth with Down syndrome in comparison to typically developing peers. *Child Neuropsychology*, 26 (6), 721-738.
20. **Lee, N. R.**, Perez, M. **, Hamner, T. *, Adeyemi, E. &, & Clasen, L. S. (2020). A preliminary examination of brain morphometry in youth with Down syndrome with and without parent-reported sleep difficulties. *Research in Developmental Disabilities*, 99, 103575.
21. Udhmani, M. *, Perez, M. **, Clasen, L. S., Adeyemi, E. &, & **Lee, N. R.** (2020). Relations between Everyday Executive Functioning and Language in Youth with Down Syndrome and Youth with Autism Spectrum Disorder. *Developmental Neuropsychology*, 45(2), 79-93.
22. Hamner, T. *, Hepburn, S., Zhang, F., Fidler, D., Rosenberg, C. R., Robins, D. L., & **Lee, N. R.** (2020). Cognitive Profiles and Autism Symptoms in Comorbid Down Syndrome and Autism Spectrum Disorder. *Journal of Developmental & Behavioral Pediatrics*, 41(3), 172-179.
23. Godfrey, M. *, Hepburn, S., Fidler, D., Tapera, T., Zhang, F., Robinson, C., & **Lee, N.R.** (2019). Autism spectrum disorder (ASD) symptom profiles of children with comorbid Down syndrome (DS) and ASD: A comparison with children with DS-only and ASD-only. *Research in Developmental Disabilities*, 89, 83-93.
24. Godfrey, M. *, Udhmani, M. *, & **Lee, N. R.** (2019). A case report of the neurocognitive and behavioral phenotype of mosaic trisomy 14. *Neurocase*, 1-5.
25. Hamner, T. *, **Lee, N.R.**, Hocking, D. R., & Vivanti, G. (2019). Shared and syndrome-specific adaptive difficulties in preschoolers with Williams syndrome and autism

spectrum disorder: a cross-syndrome study. *Journal of Intellectual Disability Research*, 63(11), 1305-1311.

26. Will, E. A., Daunhauer, L. A., Fidler, D. J., **Lee, N.R.**, Rosenberg, C. R., & Hepburn, S. L. (2019). Sensory Processing and Maladaptive Behavior: Profiles Within the Down Syndrome Phenotype. *Physical & Occupational Therapy in Pediatrics*, 1-16.
27. Schmitt, J. E., Raznahan, A., Clasen, L. S., Wallace, G. L., Pritikin, J. N., **Lee, N. R.**, Giedd, J.N., & Neale, M. C. (2019). The Dynamic Associations Between Cortical Thickness and General Intelligence are Genetically Mediated. *Cerebral Cortex*. Epub ahead of print.
28. Schmitt, J.E., Neale, M.C., Clasen, L.S., Liu, S., Seidlitz, J., Pritikin, J.N., Chu, A., Wallace, G.L., **Lee, N.R.**, Giedd, J.N., & Raznahan, A. (2019). A Comprehensive Quantitative Genetic Analysis of Cerebral Surface Area in Youth. *Journal of Neuroscience*. Epub ahead of print.
29. Udhmani, M.*/Maiman, M.*, Blumenthal., J., Clasen, L., Wallace, G., Giedd., J., Raznahan, A., & **Lee, N.R.** (2018). Phonemic and Semantic Verbal Fluency in Sex Chromosome Aneuploidy: Contrasting the Effects of Supernumerary X vs. Y Chromosomes on Performance. *Journal of the International Neuropsychological Society*, 24(9), 917-927.
30. Hamner, T.*, Udhmani, M.*, Osipowicz, K. Z., & **Lee, N. R.** (2018). Pediatric Brain Development in Down Syndrome: A Field in Its Infancy. *Journal of the International Neuropsychological Society*, 24(9), 966-976.
31. Godfrey, M.* & **Lee, N.R.** (2018). Memory profiles in Down syndrome across development: A review of memory abilities through the lifespan. *Journal of Neurodevelopmental Disorders*, 10(5), 1-31.
32. Vivanti, G., Hamner, T.*, & **Lee, N. R.** (2018). Neurodevelopmental Disorders Affecting Sociability: Recent Research Advances and Future Directions in Autism Spectrum Disorder and Williams Syndrome. *Current Neurology and Neuroscience Reports*, 18(12), 94.
33. Wallace, G. L., Dudley, K., Anthony, L., Pugliese, C. E., Orionzi, B., Clasen, L., **Lee, N. R.**, Giedd, J. N., Martin, A., Raznahan, A., & Kenworthy, L. (2017). Divergence of age-related differences in social-communication: Improvements for typically developing youth but declines for youth with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 47, 472-479.
34. **Lee, N.R.**, Maiman, M.*, & Godfrey, M.* (2016). What can neuropsychology teach us about intellectual disability?: Searching for commonalities in the memory and executive function profiles associated with Down, Williams, and Fragile X syndromes. *International Review of Research in Developmental Disabilities*, 51, 1-40.

35. **Lee, N.R.**, Adeyemi[&], E.I., Lin, A., Clasen, L.S., Lalonde, F., Condon, E., Driver, D., Shaw, P., Gogtay, N., Raznahan, A., & Giedd, J.N. (2016). Dissociations in Cortical Morphometry in Youth with Down Syndrome: Evidence for Reduced Surface Area but Increased Thickness. *Cerebral Cortex*, *26*, 2982-90.
36. Raznahan, A., **Lee, N.R.**, Greenstein, D., Wallace, G.L., Blumenthal, J.D., Clasen, L.S., & Giedd, J.N. (2016). Globally Divergent but Locally Convergent X- and Y-Chromosome Influences on Cortical Development. *Cerebral Cortex*, *31*, 140-5.
37. **Lee, N.R.**, Anand, P., Will, E., Adeyemi, E.I., Clasen, L., Blumenthal, J., Giedd, J.N., Daunhauer, L.A., Fidler, D., & Edgin, J.O. (2015). Everyday executive functions in Down syndrome from early childhood to young adulthood: Evidence for both unique and shared characteristics compared to youth with sex chromosome trisomy (XXX and XXY). *Frontiers in Behavioral Neuroscience*, *9*, 264.
38. Hanley, A.P.[&], Blumenthal, J.D., **Lee, N.R.**, Baker, E.H., Clasen, L.S., & Giedd, J.N. (2015). Brain and behavior in 48, XXYY syndrome. *Neuroimage: Clinical*, *8*, 133-139.
39. Adeyemi, E.I.[&], Giedd, J.N., & **Lee, N.R.** (2015). A case study of brain morphometry in triplets discordant for Down syndrome. *American Journal of Medical Genetics*, *67*, 1107–1110.
40. Lin, A.[&], Clasen, L., **Lee, N.R.**, Wallace, G.L., Lalonde, F., Blumenthal, J., Giedd, J.N., & Raznahan, A. (2015). Mapping the Stability of Human Brain Asymmetry across Five Sex-Chromosome Aneuploidies. *Journal of Neuroscience*, *35*, 140-145.
41. Daunhauer, L. A., Fidler, D. J. , Hahn, L. , **Lee, N.R.**, Will, E., & Hepburn, S. (2014). Profiles of everyday executive functioning in young children with Down syndrome. *American Journal on Intellectual and Developmental Disabilities*, *119*, 303-318.
42. **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 distributed cortical regions. *Frontiers in Psychology*, *5*, 2-14.
43. Lenroot, R.L., Blumenthal, J.D., Wallace, G.L., Clasen, L.S., **Lee, N.R.**, & Giedd, J.N. (2014). A case-control study of brain structure and behavioral characteristics in 47,XXX syndrome. *Genes, Brain, and Behavior*, *3*, 841-9.
44. 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.
45. **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.

46. **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.
47. 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.
48. Raznahan, A., Greenstein, D., **Lee, N.R.**, Clasen, L.S., & Giedd, J.N. (2012). Reply to Segal: Are relationships between birth weight and intelligence quotient variation within twin pairs modulated by patterns of handedness discordance? *Proceedings of the National Academies of Sciences*, 109, 3293.
49. 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.
50. **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.
51. **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.
52. **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.
53. 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.
54. DiGuseppi, C., Hepburn, S., Davis, J., Fidler, D., Hartway, S., **Lee, N. R.**, Miller, L., Rutenber, 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.

55. 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.*
56. **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.*
57. 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)
58. 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.*
59. 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.*
60. Johnson, E.P., 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.*
61. 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, 30, 127-34.*
62. [^]**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).

X. BOOK CHAPTERS AND OTHER INVITED CONTRIBUTIONS

(Note: * Graduate trainee; ** Undergraduate trainee; &post-baccalaureate fellow)

Book chapters (invited):

1. **Lee, N. R.**, Stephan, C.*, & LaQuaglia, R. (in press). Down syndrome. In M. Beauchamp, R. Peterson, D. Ris, G. Taylor, & K. Yeates (Eds.), *Pediatric*

Neuropsychology, Third Edition. New York, NY: Guilford Press.

2. **Lee, N. R.**, Udhmani, M. D*., & Hamner, T*. (2021). Lifespan Brain Development. In J. A. Burack, J. O. Edgin, & L. Abbeduto (Eds.), *Oxford Handbook of Down Syndrome and Development*. New York: Oxford University Press.
3. **Lee, N. R.***, Hamner, T.*, & Godfrey, M*. (2019). Neurodevelopmental disorders. In J. Benson (Ed.), *Encyclopedia of Infant and Early Childhood Mental Health - Second Edition*. New York: Elsevier.

Co-authored book chapters

1. 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.
2. 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.

Manuscript reviews (invited):

1. **Lee N.R.** (2019). Referee report for: Language phenotypes in children with sex chromosome trisomies [version 2; peer review: 3 approved]. *Wellcome Open Research*, 3, 143 (<https://doi.org/10.21956/wellcomeopenres.16388.r34705>)

XI. PUBLISHED ABSTRACTS

(Note: * Graduate trainee; ** Undergraduate trainee)

1. Maiman M.*, Godfrey, M.* , McCurdy, M.* , Clasen, L., Blumenthal, J.D., Giedd, J.N., Wallace, G., & **Lee, N.R.** (2016). Verbal Fluency Profiles in Males with Different Forms of Sex Chromosome Aneuploidy. *Clinical Neuropsychologist*, 30 (5), 786-786.
2. Raznahan, A., **Lee, N. R.**, Greenstein, D., Wallace, G. L., Blumenthal, J., Clasen, L., & Giedd, J. N. (2014). Neuroanatomically phenotyping sex chromosome aneuploidies as models of genetic risk for autistic behaviors. *Journal of Intellectual Disability Research*, 58, 887.
3. Raznahan, A., **Lee, N. R.**, Greenstein, D., Wallace, G. L., Blumenthal, J., Clasen, L., & Giedd, J. N. (2014). Globally divergent but locally convergent X and Y chromosome influences on brain development. *Biological Psychiatry*, 75, 86S-86S.

4. **Lee, N. R.**, Raznahan, A., Adeyemi, E. I. &, Hanley, A. &, Clasen, L. S., Blumenthal, J., & Giedd, J. N. (2012). A Preliminary investigation of cortical thickness and surface area in XYY: A possible genetic model for psychiatric disorders characterized by social cognitive impairment?. *Biological Psychiatry*, *71*, 186S.
5. **Lee, N. R.**, Wallace, G. L., Weddle, C. R. &, Liverpool, M. &, Clasen, L. S., Blumenthal, J., ... & Giedd, J. N. (2009). Executive function profiles of males and females with an additional X chromosome. *Journal of Intellectual Disability Research*, *53*, 836.
6. Smith, S.D., Deffenbacher, K.E., Boada, R., Tunick, R.A., Raitano, N., Shriberg, L., & Pennington, B.F. (2003). Linkage of speech sound disorder to dyslexia candidate regions. *American Journal of Human Genetics*, *73*, 502.
7. Dunlap, S., Tunick, R., ^**Lee (Raitano), N.**, Boada, R., & Pennington, B. (2002). Phonological processing in children with speech and language disorders. *Journal of Cognitive Neuroscience*, *14*, 133.

XII. INVITED PRESENTATIONS

International

1. **Lee, N.R.** (2021, February). *Cognitive and Behavioral Phenotypes Associated with Neurogenetic Syndromes*. A 1.5 hour Continuing Education Workshop presented at the International Neuropsychological Society Annual Meeting. Virtual.
2. **Lee, N.R.**, Adeyemi, E.I. &, Lin, A., Hanley, A., Clasen, L.S., & Giedd, J.N. (2015, June). *Dissociations in cortical thickness and surface area in the developing brain in Down syndrome: A pediatric structural neuroimaging investigation*. A paper presented at the T21RS International Conference 2015: Changing paradigms in Down Syndrome, Paris, France.

National

3. **Lee, N.R.** & Hamner, T*. (2021, November). Down syndrome with comorbid autism spectrum disorder: Recognizing the signs, understanding the diagnostic process, and exploring options for behavioral supports. A workshop presented at the North Carolina Down Syndrome Alliance Conference, Virtual.
4. **Lee, N.R.**, Ayaz, H., Edgin, J., Fidler, D. (2020, May). *Using fNIRS to Study the Neural Correlates of Executive Function and Sleep Impairment in Down Syndrome*. A paper presented at the NIH INCLUDE Project Clinical Trials in Down Syndrome Virtual Workshop.
5. **Lee, N. R.** & Hamner, T.* (2019, June). *Down syndrome with co-occurring autism*. Pre-

conference workshop presented at the National Down Syndrome Congress, Pittsburgh, PA.

6. **Lee, N. R. & Hamner, T.*** (2019, June). *Down syndrome with co-occurring autism: Recognizing the signs, understanding the diagnostic process, and exploring intervention approaches*. Conference workshop presented at the National Down Syndrome Congress, Pittsburgh, PA.
7. **Lee, N.R.** (2016, December). *Refining descriptions of the developing cortex in youth with Down syndrome*. Paper presented at the Symposium Festschrift for Bruce Pennington, University of Denver, Denver, CO.

Local

1. **Lee, N.R.** (2023, January). *Intellectual Disability: Diagnostic criteria, assessment approaches, & service provision*. A Continuing Education Seminar for the Children's Hospital of Philadelphia Neuropsychology Service.
2. **Lee, N.R.** (2021, January). *Health and Neurocognitive Function in Down Syndrome*. A Continuing Education Seminar for the Philadelphia Neuropsychological Society, Philadelphia, PA.
3. **Lee, N.R.** (2019, May). *Reading outcomes in youth with Down syndrome and an overview of the Early Start Denver Model treatment for toddlers with Down syndrome*. A paper presented at the Research on Children with Down Syndrome Symposium, The Children's Hospital of Philadelphia, Philadelphia, PA.
4. **Lee, N.R. & Yerys, B.** (2018, December). *Executive function profiles and intervention for youth with neurodevelopmental disorders*. A Continuing Education Seminar for the Children's Hospital of Philadelphia Department of Speech-Language Pathology, Philadelphia, PA.
5. **Lee, N.R.** (2018, January). *Neuropsychology and neurodevelopmental disorders: Identifying sources of individual differences in outcomes and training the next generation of psychologists to continue this work*. A Continuing Education Seminar for the Philadelphia Neuropsychological Society, Philadelphia, PA.
6. **Lee, N.R.** (2017, May). *The Down syndrome neuropsychological and neuroanatomical phenotypes*. A Continuing Education seminar presented at the Children's Hospital of Philadelphia, Neuropsychology Seminar Series, Philadelphia, PA.
7. **Lee, N.R.** (2015, January). *The Neuropsychological and Neuroanatomical Phenotype in Down Syndrome*. A lecture presented at the Center for Autism Research, The Children's Hospital of Philadelphia, Philadelphia, PA.
8. **Lee, N.R.** (2014, November). *The Neuropsychological and Neuroanatomical Phenotype*

in Down Syndrome. A Continuing Education Seminar for the Philadelphia Neuropsychological Society, Philadelphia, PA.

Drexel

9. **Lee, N.R.** (2019, May). *The developing brain in down syndrome: Insights from structural neuroimaging*. A presented at the Drexel University School of Biomedical Engineering, Science, and Health Systems Biomed Seminar Series, Philadelphia, PA.
10. **Lee, N.R.** (2017, April). *Brain and cognitive development in Down syndrome*. A lecture presented at the Drexel University Psi Chi Induction Ceremony, Philadelphia, PA.
11. **Lee, N.R.** (2015, January). *How Does it Sound or What Does it Mean: Investigating the Origins of Language-Learning Difficulties in Down Syndrome*. A lecture presented at the Drexel University College of Arts and Sciences Dean's Seminar Series, Philadelphia, PA.

XIII. REFEREED ORAL PRESENTATIONS AT SCHOLARLY MEETINGS

Conference Symposia: Chair

1. **Lee, N.R.** , Yerys, B. (2021, April). *Executive function in brain and everyday life: Lessons from autism, Down syndrome, and mixed etiology developmental disorders*. Symposium accepted for presentation at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Virtual.
2. **Lee, N.R.** & Wallace, G. (2019, April). *From brain to cognition to health: A translational approach to understand and improve health and behavioral outcomes in developmental disabilities*. Symposium presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, TX.
3. **Lee, N.R.** & Wallace, G. (2018, April). *Executive correlates of communication skills in youth with three neurodevelopmental disorders: Implications for identifying diagnostically-tailored treatment targets*. Symposium conducted at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.
4. **Lee, N.R.** & Wallace, G. (2016, March). *Executive functions in autism spectrum disorder, Down syndrome, and sex chromosome aneuploidy: An examination of age effects and relations with comorbid psychopathology*. Symposium conducted at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.
5. **Lee, N.R.** & Wallace, G. (2015, April). *Using structural MRI to identify shared and unique neuroanatomic vulnerabilities in five developmental disorders*. Symposium conducted at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.

Conference Symposia: Discussant

1. **Lee, N.R.** (2019, April). *Early phenotypic profiles in neurogenetic syndromes*. Symposium conducted at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA. April, 2018.

Peer-reviewed Papers Presented at Scholarly Meetings

(Note: * Graduate trainee; ** Undergraduate trainee)

1. **Lee, N.R.** §/Stephan, C.§*, Adeyemi, E., & Clasen, L. (2021, April). Neural and behavioral correlates of working memory in Down syndrome. In N.R. Lee & B. Yerys (Co-Chairs), *Neural and behavioral correlates of working memory in Down syndrome*. Paper accepted for presentation at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Virtual. § Co-first authors
2. **Lee, N.R.**, Adeyemi, E. &, Clasen, L., & Giedd, J. (2019, April). Neuroanatomic correlates of poor sleep in youth with Down syndrome: Regionally specific differences in brain morphometry differentiate youth with DS with and without suspected sleep disturbance. In N.R. Lee & G. Wallace (Co-Chairs), *From brain to cognition to health: A translational approach to understand and improve health and behavioral outcomes in developmental disabilities*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, TX.
3. Perez, M.**, Maiman, M*, Godfrey, M.*, Udhmani, M.*, Hamner, T.*, Stephan, C*., LaQuaglia, R.**, & **Lee, N.R.** (2019, April). Health and academic achievement in youth with Down syndrome: Evidence for poorer reading outcomes in those with parent-reported sleep disturbance but not congenital heart defects. In N.R. Lee & G. Wallace (Co-Chairs), *From brain to cognition to health: A translational approach to understand and improve health and behavioral outcomes in developmental disabilities*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, TX.
4. Hamner, T.*†, Udhmani, M.*, Giedd, J.N., & **Lee, N.R.** (2019, April) Mapping brain development in pediatric DS: Novel insights from a cross-sectional analysis of cortical morphometry across age and diagnostic groups. In H. D'Souza & K. Hughes (Co-Chairs), *Understanding Down syndrome across the lifespan: Cognition, brain, and genes*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, TX.
† David Zeaman Graduate Award Winner
5. Hamner, T.*, Adeyemi, E., Clasen, L., Giedd, J.N., & **Lee, N.R.** (2019, February). *Aberrant cortical thickness and surface area characterization in Down syndrome: Contrasting findings from chronological and mental-age matched peers*. Paper presented at the International Neuropsychological Society Conference (INS), New York City, New

York.

6. **Lee, N.R.**, Godfrey, M.*, Hamner, T.*, Perez, M.**, Carolin, A.**, Adeyemi, E., Clasen, L.S., & Giedd, J.N. (2018, April). Executive correlates of structural and pragmatic language in youth with DS: Evidence from informant and performance-based measures. In N.R. Lee & G. Wallace (Co-Chairs), *Executive correlates of communication skills in youth with three neurodevelopmental disorders: implications for identifying diagnostically-tailored treatment targets*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA..
7. **Lee, N.R.**, Godfrey, M.*, Hamner, T.*, Perez, M.**, Carolin, A.**, Adeyemi, E., Clasen, L.S., & Giedd, J.N. (2018, April). Executive Correlates of Structural and Pragmatic Language in Youth with DS: Evidence from Informant and Performance-Based Measures. In N.R. Lee & G. Wallace (Co-Chairs), *Executive correlates of communication skills in youth with three neurodevelopmental disorders: implications for identifying diagnostically-tailored treatment targets*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.
8. Udhmani, M.*, Maiman, M*., Blumenthal, J. Clasen, L.S., Giedd, J.N., Raznahan, A., & **Lee, N.R.** (2018, April). Parent Ratings of Behavioral Regulation and Metacognition and Their Relation to Structural and Pragmatic Language in Youth with Sex Chromosome Trisomies (47, XXY and 47, XXX). In N.R. Lee & G. Wallace (Co-Chairs), *Executive correlates of communication skills in youth with three neurodevelopmental disorders: implications for identifying diagnostically-tailored treatment targets*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.
9. Wallace, G.W. & **Lee, N.R.** (2016, November). *Executive function profiles in autism, Down syndrome, and sex chromosome aneuploidy and their correlations with language functioning*. Oral seminar presented at the American Speech-Language-Hearing Association Annual Convention, Philadelphia, PA.
10. Godfrey, M.*, Maiman, M.*, Anand, P., Will, E., Clasen, L.S., Daunhauer, L., Fidler, D., Giedd, J., Edgin, J., & **Lee, N.R.** (2016, March). An Examination of The Relations Between Everyday Executive Functions, Age, and Psychopathology in Children and Young Adults with Down Syndrome. In N.R. Lee & G. Wallace (Co-Chairs), *Executive functions in autism spectrum disorder, Down syndrome, and sex chromosome aneuploidy: An examination of age effects and relations with comorbid psychopathology*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.
11. **Lee, N.R.**, Will, E., Adeyemi, E. & Clasen, L.S., Blumenthal, J., Daunhauer, L., Fidler, D., Giedd, J., & Edgin, J. (2016, March). Variation in the severity of everyday executive function skills in relation to age and symptoms of psychopathology in youth with an extra

X chromosome: A comparison with typical youth and youth with Down syndrome. In N.R. Lee & G. Wallace (Co-Chairs), *Executive functions in autism spectrum disorder, Down syndrome, and sex chromosome aneuploidy: An examination of age effects and relations with comorbid psychopathology*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.

12. Lee, N.R., Adeyemi, E.I. & Clasen, Blumenthal, J., & Giedd, J.N. (2015, April). Shared and unique characteristics of cortical and cerebellar anatomy in Down syndrome and 49,XXXXY syndrome: A Pediatric neuroimaging investigation. In N.R. Lee & G. Wallace (Co-Chairs), *Using structural MRI to identify shared and unique neuroanatomic vulnerabilities in five developmental disorders*. Paper presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
13. Raznahan, A., Lee, N. R., Greenstein, D., Wallace, G. L., Blumenthal, J., Clasen, L., & Giedd, J. N. (2014, May). *Globally divergent but locally convergent X and Y chromosome influences on brain development*. Paper presented at the Annual Meeting of the Society of Biological Psychiatry, New York, NY.
14. 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.
15. 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.
16. 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.
17. Smith, S., Deffenbacher, K., Boada, R., Lee (Raitano), N., Tunick, R., Shriberg, L., . . . DeFries, J. (2004). *Linkage, association and candidate gene analyses for reading disability and speech sound disorder*. Paper presented at the Annual Meeting of the Behavior Genetics Association, Aix-en-Provence, France.

XIV. REFERRED POSTER PRESENTATIONS AT NATIONAL OR INTERNATIONAL MEETINGS

(Note: * Graduate trainee; ** Undergraduate trainee)

1. Aragon-Guevara, D.**, Grosman, H.E.*, McQuaid, G.A., Wallace, G.L., & Lee, N.R. Learning-Related Challenges and their Association with Special Education Receipt and Vocational Outcomes in Autistic Adults. (2023, February). Poster presentation at the *International Neuropsychology Society Annual Meeting*, San Diego, CA.
2. Snoza, J.*, & Lee, N.R. Nonverbal Assessment of Theory of Mind in Children with Down Syndrome and Typically Developing Peers: An Examination of Group Differences and Associations with Structural Language Skills. (2023, February). Poster presentation at the *International Neuropsychology Society Annual Meeting*, San Diego, CA.
3. Tufanoglu, A.*, Curtin, A., Csumitta, K. D.*, Topoglu, Y., LaQuaglia, R., Miller, E., Edgin, J., Lee, N. R., & Ayaz, H. (2022, July). *Verbal and spatial working memory neural correlates in prefrontal cortex for typically developing children using fNIRS*. Poster presented at the Joint Meeting of the Neuroergonomics Conference and NYC Neuromodulation Conference, New York City, NY.
4. Grosman, H.*, Aragon-Guevara, D.**, McQuaid, G.A., Wallace, G., Lee, N.R. (May 2022). *Assessing retrospective learning challenges in autistic adults with a screening tool used in vocational rehabilitation settings*. Poster presented at International Society for Autism Research (INSAR) Annual Meeting, Austin, TX.
5. Grosman, H.*, Csumitta, K. D.*, Jones, L.**, Hostetter, E., Miller, E., LaQuaglia, R., Maiman, M., & Lee, N. R. (2022, February). *The associations between sleep disturbance and language difficulties in Down syndrome*. Poster presented at the International Neuropsychological Society Annual Meeting, New Orleans, LA.
6. Csumitta, K. D.*, Stephan, C.*, Maiman, M., LaQuaglia, R., Addis-Jackson, M.**, Aragon-Guevara, D.**, & Lee, N. R. (2022, February). *Association between sleep disordered breathing and executive function using the BRIEF-2 for children with Down syndrome*. Poster accepted for presentation at the International Neuropsychological Society Annual Meeting, Virtual.
7. Grosman, H.*, LaQuaglia, R., Miller, E., Lee, N.R. (2021, August). *An examination of language profiles in Down Syndrome as a function of comorbid autism spectrum disorder features*. Poster presented at the American Psychological Association 2021 Convention, Virtual.
8. LaQuaglia, R., Miller, E., Grosman, H.*, Lee, N.R. (2021, August). *Associations Between Communication Skills and Maladaptive Behavior in Children with Down Syndrome*. Poster presented at the American Psychological Association 2021 Convention, Virtual.
9. Oldham, A.*, Brownogohl, A., Lee, N.R., & Vivanti, G. (2021, May). *Statistical learning and its relation to language in young children with autism: An eye-tracking*

study. Poster presented at the International Society for Autism Research Annual Meeting, Virtual.

10. Kaminer, I.*, **Lee, N. R.**, & Osipowicz, K. (2021, April). *Resting State Language Network Differences Among Verbally Fluent Adults with Autism Spectrum Disorder*. Poster presented at the annual meeting of the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Virtual.
11. Csumitta, K. D.*, & **Lee, N. R.** (2021, April). *Autonomy-supportive parenting and pragmatic communication in Down syndrome and typical development*. Poster presented at the Society for Research in Child Development Biennial Meeting, Virtual.
12. Csumitta, K. D.*, Gotts, S. J., Martin, A. & **Lee, N. R.** (2021, April). *Increased Resting-State Whole-Brain Connectedness in Youth with Down Syndrome*. Poster presented at the annual meeting of the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Virtual.
13. Barness, B., Lopez, M., Hughes, K., Pisani, L., Protho, T., Sampsel, M., **Lee, N.R.**, Abbeduto, L., Thurman, A., Khosla, P., & Edgin, J. (2021, April). *Standardized and novel executive function task performance in children with Down Syndrome in relation to parent perception of executive function*. Poster presented at the Society for Research in Child Development Biennial Meeting, Virtual.
14. Peng, M., Bottrill, K., Hughes, K., Sampsel, M., Luongo, A., Lovos, A., **Lee, N.R.**, Abbeduto, L., Thurman, A., Khosla, P., & Edgin, J. (2021, April). *Spatial reconstruction deficits in Down syndrome*. Poster presented at the Society for Research in Child Development Biennial Meeting, Virtual.
15. Bottrill, K., Hughes, K., Pisani, L., Protho, T., Sampsel, M., Luongo, A., **Lee, N.R.**, Abbeduto, L., Thurman, A., Khosla, P., & Edgin, J. (2021, April). *Sleep quality and neurocognitive function in children with and without Down syndrome*. Poster presented at the Society for Research in Child Development Biennial Meeting, Virtual.
16. Oldham, A.*, Browngoehl, A., **Lee, N.R.**, Vivanti, G. (2020, August). *Statistical Learning and its Relation to Language in Young Children With Autism*. Poster session presented at the Annual Convention of the American Psychological Association, Virtual.
17. Stephan, C.M.*, Godfrey, M., Udhmani, M., Maiman, M., Hamner, T., & **Lee N.R.** (2020, April). *The Association Between Executive Functioning and Maladaptive Behaviors in Youth with Down Syndrome*. Poster accepted for presentation at the annual meeting of the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA. (Conference cancelled)
18. Godfrey, M.* & **Lee, N.R.** (2020, April). *Retrospective Memory Abilities of Children with Down Syndrome in Comparison to Typically Developing Children Across Time*. Poster accepted for presentation at the annual meeting of the Gatlinburg Conference on

Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA. (Conference cancelled)

19. **Godfrey, M.***, Perez, M.**, LaQuaglia, R., & Lee, N.R. (2019). *An exploratory examination of the effect of parent-reported sleep related breathing disorders on memory abilities in youth with Down Syndrome*. Poster presented at the 2020 International Neuropsychology Society Annual Meeting, Denver, Colorado
20. **Stephan, C.M.***, Lee, N. R., (2020, February). *Contributions of Executive Function to Adaptive Abilities in Youth with Down Syndrome*. Poster session presented at the 2020 International Neuropsychology Society Conference, Denver, CO.
21. Perez, M.,** LaQuaglia, R.**, Maimain, M., Godfrey, M., Hamner, T., Udhmani, M., & **Lee, N.R.** (2019, April). *Associations between sleep-related breathing disorder symptoms and adaptive functioning in school-aged children with Down syndrome*. Poster presented at the 2019 Gatlinburg Intellectual Disabilities Conference, San Antonio, TX.
22. Stephan, C.* & **Lee, N. R.** (2019, April). *Reading abilities in Down syndrome and its relation to time spent in a mainstream classroom*. Poster presented at the 2019 Gatlinburg Intellectual Disabilities Conference, San Antonio, TX.
23. Godfrey, M.*, Maiman, M.*, Hamner, T.*, Udhmani, M.*, Perez, M.**, LaQuaglia, R.**, & **Lee, N.R.** (2019, April). *An examination of the memory profile of children with Down syndrome: Evidence for impaired short-term, long-term, and working memory impairments and relations to intellectual and adaptive functioning*. Poster presented at the 2019 Gatlinburg Intellectual Disabilities Conference, San Antonio, TX.
24. Udhmani, M.*, Perez, M.**, & **Lee, N.R.** (2019, April). *Predictors of individual differences in language abilities in youth with neurodevelopmental disorders: Examining the executive function and social correlates of structural and pragmatic language in Down syndrome and autism spectrum disorder*. Poster presented at the 2019 Gatlinburg Intellectual Disabilities Conference, San Antonio, TX.
25. Maiman, M.*, Godfrey, M.*, Hostetter, E.**, Udhmani, M.,* & **Lee, N. R.** (2019, April). *An examination of the relations between parent-reported fine motor abilities and executive functioning in youth with Down syndrome (DS)*. Poster presented at the 2019 Gatlinburg Intellectual Disabilities Conference, San Antonio, TX.
26. Godfrey, M.*, Udhmani, M.*, & **Lee, N.R.** (2019, February). *Neuropsychology and behavioral profile of mosaic trisomy 14: A case study*. Presented at the 2019 International Neuropsychological Society Meeting, New York City, NY.
27. Godfrey, M.*, Maiman, M.*, Hamner, T.*, Udhmani, M.*, & **Lee, N.R.** (2018, August). *A preliminary examination of the cognitive correlates of prospective memory in children with Down syndrome*. Poster presented at the 2018 American Psychological Association Conference, San Francisco, California

28. Carolin, A.**/ Perez, M.**, & **Lee, N.R.** (2018, August). *Autonomy-supportive behaviors in parents of school-aged children with Down syndrome*. Poster presented at the 2018 APA Annual Convention, San Francisco, CA. (*Co-first authors).
29. Hamner, T.* †, Robins, D., Fidler, D., Hepburn, S., Robinson, C., & **Lee, N.R.** (2018, May). *Comorbid Down syndrome and ASD: Differential social affect in ASD symptoms*. Poster presented at the 2018 International Society for Autism Research (INSAR), Rotterdam, Netherlands.
 † *INSAR & Drexel Travel Award Winner*
30. Hamner, T.*, Adeyemi, E., Clasen, L.S., Giedd, J.N., & **Lee, N.R.** (2018, April). *Characterization of cortical thickness in DS is dependent on the control group: Contrasting findings from chronological and mental-age matched peers*. Poster presented at the 51st Annual Meeting of the Gatlinburg Conference, San Diego, CA.
31. Godfrey, M.*, Maiman, M.*, Hamner, T., Udhmani, M.*, & **Lee, N.R.** (2018, April). *A Preliminary Examination of Prospective Memory in Children with Down Syndrome*. Poster presented at the 51st Annual Meeting of the Gatlinburg Conference, San Diego, CA.
32. Udhmani, M.*, Clasen, L.S., Adeyemi, E., Giedd, J.N., Carolin, A.C.**, & **Lee, N.R.** (2018, April). *Sex differences in language abilities among children with Down syndrome*. Poster presented at the 51st Annual Meeting of the Gatlinburg Conference, San Diego, CA.
33. Stephan, C.*, Adeyemi, E., Lin, A., Clasen, L.S., Giedd, J.N., & **Lee, N.R.** (2018, April). *Speech and working memory impairments explain unique variance in adaptive functioning skills in young people with Down syndrome*. Poster presented at the 51st Annual Meeting of the Gatlinburg Conference, San Diego, CA.
34. Godfrey, M.*, Hepburn, S., Fidler, D., Tapera, T.*, Zhang, F., Robinson, C., & **Lee, N.R.** (2018, February). *Identifying autism diagnostic interview- revised algorithm items that significantly distinguish autism spectrum disorder and Down syndrome*. Poster presented at the International Neuropsychological Society Conference, Washington, DC.
35. Udhmani, M.*, Adeyemi, E., Lin, A., Clasen, L., & **Lee, N.R.** (2017, August). *Social/communication skills and executive functioning among youth with Down syndrome*. Poster session presented at the 2017 APA Annual Convention, Washington, D.C.
36. Udhmani, M.*/ Hamner, T.*, Fidler, D., Hepburn, S., Robinson, C., & **Lee, N.R.** (2017, June). *Comparison of Mullen Profiles among children with DS, ASD, and comorbid presentation of DS and ASD*. Poster session presented at the 2017 International Meeting for Autism Research, San Francisco, CA.

37. Godfrey, M*., Fidler, D., Robinson, C., Hepburn S., & **Lee, N.R.** (2017, March). *Comparing social, communicative, and repetitive behaviors in children with Down syndrome and idiopathic autism spectrum disorder matched on verbal mental ability level.* Poster presented at the 2017 Gatlinburg Intellectual Disabilities Conference, San Antonio, Texas.
38. Maiman, M,* Hamner, T.* , Udhmani, M.* , Anand, P., Adeyemi, E., Clasen, L.S., Giedd, J.N., Edgin, J., & **Lee N.R.** (2017, March). *Differential effects of sex and intellectual ability level on “cool” and “hot” executive function impairments in youth with Down syndrome.* Poster presented at the 51th Annual Meeting of the Gatlinburg Conference, San Antonio, TX.
39. Godfrey, M.* , **Lee, N. R.**, & Gallo, J. (2017, February) *An evidence-based evaluation of neuropsychological tests used to assess dementia among older adults with Down syndrome.* Poster presented at the 2017 International Neuropsychology Society Meeting, New Orleans, LA.
40. Maiman, M.* , Carolin, A**., Perez, M.** , & **Lee, N.R.** (2017, February). *The history of assessment in individuals with intellectual disability: Problems. solutions. future directions.* Poster presented at the 45th Annual Meeting of the International Neuropsychological Society, New Orleans, LA.
41. Maiman, M.* , Perez, M.** , Carolin, A.** , & **Lee, N.R.** (2017, February). *Exploring the relationship between EF performance based-measures and questionnaires in neurodevelopmental disorders (NDDs) associated with intellectual disability (ID).* Presented at the 45th Annual Meeting of the International Neuropsychological Society, New Orleans, LA.
42. Godfrey*†, M., Maiman, M., Clasen, L., Blumenthal, J., Giedd, J. Wallace, G. & **Lee N. R.** (2016, August). *Language profiles of males with sex chromosomal aneuploidies vary as a function of autism symptoms.* Poster presented at American Psychological Association Annual Convention, Denver, CO.
 † 2016 APA Student Travel Award and Society of Neuropsychology Division 40 Blue Ribbon Award Winner
43. Godfrey, M.* , Sharber, A.C., Maiman, M.* , Adeyemi, E., Wallace, G., Blumenthal, J., Clasen, L., Giedd, J., Kenworthy, L., & **Lee, N.R.** (2016, March). *ASD symptom profiles of genetic disorders in males compared with idiopathic autism.* Poster presented at the 49th Gatlinburg Intellectual Disabilities Conference, San Diego, CA.
44. **Lee, N.R.** Adeyemi, E. & Lin, A., Blumenthal, J., Clasen, L., Giedd, J., & Raznahan, A. (2016, June). *Contrasting cortical thickness and surface area deviations in Down and 49, XXXXY syndromes.* Poster presented at the Organization for Human Brain Mapping Annual Meeting, Geneva, Switzerland.
45. Dudley, K., Pugliese, C., Kenworthy L., Anthony, LG, Giedd, J.N., Youngstrom, E., Ong

- M., Ratto, A., Clasen, L.S., Armour, A.C., **Lee, N.R.**, Popal, H., White, E., Martin, A., & Wallace, G.L. (2015, November). *The utility of the social responsiveness scale in differentiating ASD symptomatology among clinical and non-clinical groups*. Poster presented at the Association for Behavioral and Cognitive Therapies, Chicago, IL.
46. Denker, A.H. &, Raznahan, A., Clasen, L., Giedd, J.N., & **Lee, N.R.** (2014, October). *Anatomical coupling and individual differences in visuospatial skills in a developing population as assessed by the Benton Judgment of Line Orientation Task*, Poster presented at the American Academy of Adolescent and Child Psychiatry, San Diego, CA.
47. Denker, A.H. &, Raznahan, A., Clasen, L., Giedd, J.N., & **Lee, N.R.** (2014, June) *Anatomical coupling and individual differences in nonword reading skills*. Poster presented at the Organization for Human Brain Mapping, Hamburg, Germany.
48. Lin, A. &, Adeyemi, L. &, Clasen, L., Daunhauer, L., Fidler, D., Edgin, J., Giedd, J., & **Lee, N. R.** (2014, January). *Stability in executive function profiles in a multi-site sample of youth with Down syndrome*. Poster presented at the Social and Behavioral Research Branch 10th Anniversary Celebration, National Human Genome Research Institute, NIH, Bethesda, MD.
49. Lin, A. &, **Lee, N. R.**, Wallace, G. L., Lalonde, F., Clasen, L., Blumenthal, J., Giedd, J., & Raznahan, A. (2014, June). *The effect of sex chromosome dosage on brain asymmetry in cortical thickness*. Poster presented at the Organization of Human Brain Mapping 2014 Annual Meeting, Hamburg, Germany.
50. **Lee, N.R.** (2014, October). *Dissociations in cortical thickness and surface area in the developing brain in Down syndrome: A pediatric neuroimaging investigation*. Poster presented at the 17th Annual Society for the Study of Behavioral Phenotypes International Research Symposium, New York, NY.
51. 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.
52. 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 Soc. for Neuroscience, Washington, DC.
53. Lopez, K.C. &, Adeyemi, E.I. &, Clasen, L.S., Blumenthal, J.B., Giedd, J.N., & **Lee, N.R.** (2011, November). *Increased risk in internalizing behavior in sex chromosome aneuploidies populations with supernumerary X chromosome*. Poster presented at the Society for Neuroscience, Washington, DC.

54. **Lee, N.R.**, Adeyemi, E.I. & Lopez, K.C. & Clasen, L.S., Blumenthal, J.B., & Giedd, J.N. (2011, April). *Dosage effects of additional X and Y chromosomes on language: An examination of children with sex chromosome aneuploidies*. Poster presented at the Society for Research in Child Development (SRCD), Montreal, Canada.
55. **Lee, N.R.**, Hepburn, S., Fidler, D., Ridge, K., Philofsky, A., Blakeley-Smith, A., & Robinson, C. (2010, March). *Parent-report of executive functioning in a population-based sample of young children with Down syndrome*. Poster session presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Annapolis, MD.
56. Liverpool, M. & Weddle, C. & **Lee, N.R.**, Clasen, L., Blumenthal, J., Lenroot, R., & Giedd, J. (2010, October). *Fine motor dexterity and grip strength in females with an extra X chromosome*. Poster presented at the Society for Neuroscience Annual Meeting, Chicago, IL.
57. **Lee, N.R.**, Raznahan, A., Lalonde, F., Lerch, J., & Giedd, J.N. (2010, November). *Anatomical correlates of word knowledge in typical children and young adults: Applying the MACACC technique*. Poster session presented at the Society for Neuroscience Annual Meeting, San Diego, CA.
58. **Lee, N.R.**, Wallace, L., Clasen, L., Blumenthal, J. Lenroot, R., & Giedd, J. (2009, March). *Structural and pragmatic language profiles of males and females with an extra X chromosome*. Poster session presented at the Cognitive Neuroscience Society Meeting, San Francisco, CA.
59. Weddle, C. R. & **Lee, N.R.**, Clasen, L., Blumenthal, J. Lenroot, R., & Giedd, J. (2009, April). *Motor function and development in children and young adults with Klinefelter syndrome*. Poster session presented at the Society for Research in Child Development Biennial Meeting, San Francisco, CA.
60. Celano, M. & Timberlake, A. White, S., **Lee, N.R.**, & Giedd, J. (2008, June). *Autistic traits are uniquely associated with social attribution and psychopathic traits are uniquely associated with emotion recognition in the context of typical development*. Poster session presented at 2nd Annual Social and Affective Neuroscience Conference, Boston, MA.
61. Hepburn, S., **Lee, N. R.**, Philofsky, A., Blakeley-Smith, A., Ridge, K., Fidler, D., DiGuisseppe, C., Miller, L., & Robinson, C. (2008, May). *Autism symptoms in children with Down syndrome: Reliability of diagnostic tools and potential impact of within-child factors on symptom presentation*. Poster sessions presented at the International Meeting for Autism Research, London, England.
62. **Lee, N.R.**, Wallace, L., Clasen, L., Blumenthal, J. Lenroot, R., & Giedd, J. (2008, April). *Performance on nonverbal executive function tasks in children and adolescents with Klinefelter syndrome*. Poster session presented at the Cognitive Neuroscience Society Meeting, San Francisco, CA.

63. **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.
64. **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.
65. Smith, S.D., Deffenbacher, K.E., Boada, R., Tunick, R.A., **Lee (Raitano), N.**, Shriberg, L., & Pennington, B.F. (2003). *Speech sound disorder is linked to dyslexia risk loci on chromosome 6 and 15*. Poster presented at the 53rd Annual Meeting of the American Society for Human Genetics, Los Angeles, CA. (^Note: presented using maiden name Raitano).
66. Tunick, R.A., Boada, R., **Lee (Raitano), N.**, & Pennington, B.F. (2003, February). *Cofamiliarity of speech and language disorders: Cross-Assortment or Co-segregation*. Poster session presented at the International Neuropsychological Society, Honolulu, HI. (^Note: presented using maiden name Raitano).
67. **Lee (Raitano), N.**, Tunick, R.A., Boada, R., Pennington, B.F., & Clarkson, M. (2003, February). *Speech disorder symptomatology and pre-literacy skills*. Poster session presented at the International Neuropsychological Society, Honolulu, HI. (^Note: presented using maiden name Raitano).
68. **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).
69. Tunick, R.A., **Lee (Raitano), N.**, Boada, R., & Pennington, B.F. (2002, February). *Alphabet knowledge in children with speech and language disorders*. Poster session presented at the International Neuropsychological Society, Toronto, Ontario, Canada. (^Note: presented using maiden name Raitano).
70. **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).
71. 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).
72. Canfield, R.L., Brezsnyak, M.P., Aaron, K.A., & **Lee (Raitano), N.**, (1996, April). *Individual growth curves for infant saccade reaction time: Exponential decline from 2 to*

12 months. Poster session presented at the International Conference on Infant Studies, Providence, RI.

XV. POSTER/ORAL PRESENTATIONS AT LOCAL/UNIVERSITY MEETINGS

(Note: * Graduate trainee; ** Undergraduate trainee)

1. Cheng, H.** , & Lee, N.R. Mind-mindedness and Down syndrome (August 2022). Poster presented at the STAR Scholars Showcase.
2. Aragon-Guevara, D.** , Grosman, H.* , McQuaid, G., Wallace, G., Lee, N.R. (May 2022). Assessing Disparities in Special Education Receipt among Autistic Individuals. Oral presentation presented at the *UCLA Psychology Undergraduate Research Conference*, Los Angeles, CA.
3. Perez, M.** †, Carolin, A.** , & Lee, N.R. (2017, April). *Sex differences in cognitive abilities in Down syndrome*. Poster presented at the 12th Annual Philadelphia Area Psi Chi Research Day, Philadelphia, PA.
† *Award winner: Received 2nd Place Poster Award*
4. Carolin, A.** , Perez, M**., & Lee, N.R. (2017, April). *Sex differences in adaptive functioning in youth with Down syndrome*. Poster presented at the 12th Annual Philadelphia Area Psi Chi Research Day, Philadelphia, PA.
5. Ding, S.** & Lee, N.R. (2016, August). *Coding mind minded statements: A study of parents and children with Down syndrome*. Poster presented at the 2016 STAR Scholar Summer Showcase, Drexel University, Philadelphia, PA.
6. Meka, S.** & Lee, N.R. (2016, August). *Maternal Sensitivity: A Summary of Coding Measures*. Poster presented at the 2016 STAR Scholar Summer Showcase, Drexel University ,Philadelphia, PA.
7. Perez, M.** & Lee, N.R. (2015, August). *Cognitive abilities related to word decoding in youth with Down Syndrome*. Poster presented at the 2015 STAR Scholar Summer Showcase, Drexel University, Philadelphia, PA.

XVI. OTHER PUBLICATIONS/PRESENTATIONS

Columns in Scholarly Society Newsletters

1. Lee, N.R. (2017, Winter). Training Students at the Intersection of Divisions 33 and 40: What Should Training Priorities Be? *Psychology in Intellectual and Developmental*

Disabilities/Autism Spectrum Disorder: Official Publication of APA Division 33, 43 (2), 12-16. Retrieved from

<https://static1.squarespace.com/static/55cd5104e4b0ff38cd555765/t/5a3957fa24a694c69f20089f/1513707520716/Division+33+Newsletter+Vol+43-2-2017.pdf>

XVII. TEACHING EXPERIENCE

At Drexel University

Level	#	Name	Terms Taught	Enrollment
UG	PSY 120	Developmental Psychology	Winter 2015	24
UG	PSY 225	Child Psychopathology	Fall 2014 Fall 2015 Winter 2016 Fall 2016 Spring 2018 Fall 2019 Fall 2020 Fall 2022	22 25 25 24 27 27 27 27
UG	PSY 240	Abnormal Psychology	Spring 2016-1 Spring 2016-2 Fall 2020	16 15 22
G	PSY 630	Biological Bases of Behavior and Treatment	Fall 2015	16
G	PSY 642	Neuropsychological Case Analysis and Integration	Spring 2015 Spring 2017 Winter 2019 Spring 2022	6 6 5 7

Abbreviations: UG=undergraduate; G=graduate

Also at Drexel University

Faculty facilitator for MS Student Professional Development Course (*Spring 2020*)

At the University of Denver

Cognitive Assessment (*University of Denver, 2006*)

At the University of Colorado School of Medicine

Graduate Health Professional Program Seminar in Bioethics
Co-Facilitator (*University of Colorado School of Medicine, 2007*)

Guest Lectures/Students Discussions

Nov. 2020,21 Guest Lecture on Consultant Roles for Clinical Child/Pediatric Neuropsychology for Psychology PhD Program: PSY 560, Teaching, Consultation, & Supervision

in Psychology
 Nov. 2020, 21 Guest Lecture on BS/MS Program for University 101 Course
 Dec. 2020, 21, 22 Guest Lecture on Brain Development for Psychology Graduate Program: PSY
 530 Neuroanatomy and Behavior
 Feb. 2021, 22 Guest Lecture on BS/MS Program for Psychology Undergraduate Careers Course

XVIII. STUDENT ADVISEES AND AWARDS

Student Advisees

<u>Graduate Students</u>	<u>Program</u>	<u>Graduation</u>
Manisha Udhvani	Psychology MS	2018
Mary Godfrey	Clinical PhD	2020
Taralee Hamner*	Clinical PhD	2021
Moshe Maiman	Clinical PhD	2021
Isabelle Kaminer	Psychology MS	2021
Catherine Stephan	Clinical PhD	2022
Kelsey Csumitta	Clinical PhD	2024 (antic)
Hannah Grosman	Clinical PhD	2025 (antic)
Julia Snoza	Psychology MS	2023 (antic)
Meghan O'Brien	Psychology MS	2024 (antic)

* Co-mentor with Giacomo Vivanti (and formerly Diana Robins)

Undergraduate Thesis Students

Alexandra Carolin	Psychology BS	2018
Megan Perez	Psychology BS	2019
Emily Hostetter	Psychology BS	2021
Diego Aragon-Guevara	Psychology BS	2023 (antici)

Undergraduate Co-Op Students

Megan Perez (2 co-ops)	Psychology BS	2019
Emily Hostetter (2 co-ops)	Psychology BS	2021
Xiaochen Jin	Psychology BS	2020
Erica Watson	Psychology BS	2022
Diego Aragon-Guevara	Psychology BS	2023 (antic)

Undergraduate STAR Scholars

<u>Undergraduate STAR Scholars</u>	<u>Term</u>	<u>Graduation</u>
Sandy Ding (Psychology)	2016	2019
Sravani Meka (Biology)	2016	2019
Megan Perez (Psychology)	2015	2019
Hunter Cheng (Psychology)	2022	2025 (antic)

Advisee Awards/Grants

Date	Name	G or UG*	Award
2023	Diego Aragon-Guevara	UG	Co-op Achievement Award
2023	Hannah Grosman	G	Emily Reid O'Connor Memorial Fellowship
2023	Hannah Grosman	G	Drexel University Graduate College Mentor Award
2022	Julia Snoza	G	Teck-Kah Lim Graduate Student Travel Award, Drexel University
2022	Kelsey Csumitta	G	Research Excellence Award, Drexel University
2022	Kelsey Csumitta	G	Philadelphia Neuropsychological Society President's Award
2022	Diego Aragon-Guevara	U	Gondek Award for Psychology and Neuroscience
2021	Catherine Stephan	G	Philadelphia Neuropsychological Society President's Award
2021	Catherine Stephan	G	Emily Reid O'Connor Memorial Fellowship
2021	Emily Hostetter	U	Undergraduate Research and Enrichment Program Mini Grant Award for Student Research
2021	Emily Hostetter	U	Psychology Senior Research Award
2020	Mary Godfrey	G	Drexel Psychology Exceptional Student Award
2020	Taralee Hamner	G	John E. Gordon Dissertation Award for the Philadelphia Neuropsychological Society
2019	Taralee Hamner	G	Teck-Kah Lim Graduate Student Travel Award, Drexel University
2019	Taralee Hamner	G	David Zeaman Graduate Award, Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities
2019	Megan Perez	UG	General Electric College Bowl Award, Drexel University
2019	Megan Perez	UG	Senior First Honors, Drexel University
2018	Alexandra Carolin	UG	College of Arts and Sciences Psychology Senior Research Award
2018	Megan Perez	UG	College of Arts and Sciences Psychology Outstanding Senior Award
2017	Megan Perez	UG	2nd place poster at the 12th Annual Philadelphia Area Psi Chi Research Day
2016	Mary Godfrey	G	Psi Chi Graduate Research Grant–Mamie Phipps Clark Research Grant for Diversity
2016	Mary Godfrey	G	Student Travel Award, APA Conference
2016	Mary Godfrey	G	Blue Ribbon Award, SCN Division 40 Student Award

*Graduate (G) or undergraduate (UG)

XIX. STUDENT THESIS COMMITTEES

Drexel University

Master's Theses: *Committee Chair*

Name	Date	Title
Mary Godfrey	7/16 9/18	An Examination of the Memory Profile of Children with Down Syndrome
Taralee Hamner (<i>co-chair with Diana Robins</i>)	11/17 9/18	Cognitive profiles and ASD symptoms in comorbid Down syndrome and autism spectrum disorder
Moshe Maiman	6/18 6/19	An Examination of the Relations between Fine Motor Abilities and Executive Functioning in Youth with Down Syndrome
Manisha Udhvani	1/18 5/18	Predictors of individual differences in language in youth with Down Syndrome and Autism Spectrum Disorder
Catherine Stephan	11/18 1/20	Predictors of Literacy Trajectories and Mainstreaming in Children with Disabilities
Isabelle Kaminer	11/20 6/21	Language Network Differences Among Verbally Fluent Autistic Adults: A Comparison with Neurotypical Peers
Kelsey Csumitta	10/20 2/22	Autonomy-supportive parenting in predicting executive functions in children with Down syndrome & typical development
Kellie McWilliams	12/22 (<i>defense chair</i>)	The Unique Role of Time in Autobiographical Memory Consolidation
Hannah Grosman	3/22	Examining heterogeneity in language profiles of youth with Down syndrome: Associations with co-occurring psychopathology

Master's Theses: *Committee Member*

Name	Date	Title
Gabrielle Russo	7/18 5/19	Examination of the Relationships Among Perceived Social Support, Parent-Infant Bonding, and Parent Mental Health in the 3 to 12 Months Following the Birth of a Child
Chandler Puhly	12/18 8/19	Factors Associated with Peer and Teacher Discordant Identification of Relationally Aggressive Students
Hayley O'Donnell	12/18 11/20	Learning Preferences as an Index of Individual Differences in Cognitive Flexibility
Abigail Oldham	4/20 5/21	Why is Language Different in Autism? Testing the Social Gating Theory

Jenna Kiely	10/20 6/21	Examining the Impact of the COVID-19 Pandemic on Parental Tolerance of Child Distress and Child's Anxiety Symptom Severity
Shannon Litke	7/22 8/22	Examining the Relation between Perceived Social Support and PTSD Symptom Severity in Trauma-Exposed Yout

Dissertations: *Committee Chair*

Name	Date	Title
Mary Godfrey	9/18 4/20	An Examination of the Retrospective and Prospective Memory Abilities of Children with Down Syndrome
Taralee Hamner (<i>co-chair with Giacomo Vivanti</i>)	5/19 6/21	Biomarkers of Early Social Learning in Neurodevelopmental Disorders
Moshe Maiman	9/19 6/21	A Longitudinal Investigation of Fine Motor, Executive Functioning, and ADHD in Youth with Down Syndrome
Catherine Stephan	10/20 6/22	Predictors of Employment and Job Performance in Intellectual Disability

Dissertations: *Committee Member*

Name	Date	Title
Aimee Hildenbrand	5/15 6/16	Childhood Trauma and Posttraumatic Stress in Pediatric Amplified Musculoskeletal Pain Syndromes
Samantha Winter	10/16 4/17	Predicting Weight-Related Outcomes in Healthy Adolescents: Clinical Applications of fMRI and Machine Learning
Mark McCurdy	3/17 5/19	Dissertation Title: Social Competence in Youth with Neurofibromatosis Type 1
Alexandra Muratore	9/17 5/19	Hedonic Hunger, Disinhibited Eating, and the Physiological Impact of Palatable Food: A Study of Heart Rate Variability
Jon-Frederick Landrigan	10/17 5/18	Exploring Aphasia Using Community Detection Analysis and Machine Learning
Chandler Puhly	9/20 8/22	Mixed Methods Investigation of Researcher Implementation and Perceptions of Participatory Action Research with School-Aged Youth
Michael Silverstein	9/20	The Relationship between ADHD and PTSD Symptoms in Trauma Exposed Adolescents with ADHD
Hayley O'Donnell	8/21	The Cognitive and Neural Mechanisms of Cognitive Flexibility: Perspectives from Traumatic Brain Injury
Leora Benson	9/21 8/22	Neural correlates of weight suppression and the interaction with BMI among individuals with anorexia or bulimia nervosa

External Review of Students Theses/Dissertations

Academic Board Reviewer, University of Padova, Padova, Italy: *PhD Final Examination*

Sara Onnivello November 2021

National Institutes of Health/ Vellore Institute of Technology, Vellore, India

Master's Theses: *Committee Chair*

Nikhita Gogate Spring 2014

XX. SERVICE AT DREXEL: University, College, and Departmental Levels

University

2022	St. Christopher's Hospital Academic Affairs Advisory Committee
2022	Drexel 2030: Research Administration Committee – Communications Subcommittee
2019	AJ Drexel Autism Institute Search Committee for Early Detection and Intervention Faculty Position
2019	Drexel University Emerging Graduate Scholars Conference Judge
2018	Drexel University 'Computing for All' Committee
2018	Steinbright Career Development Center – Psychology Faculty Representative
2015, 16	STAR Scholar Mentor
2015, 16	Faculty Judge: STAR Scholars Summer Showcase

College of Arts and Sciences

2021 – present	Graduate Curriculum Committee
2019	Graduation Floor Marshall
2018	Graduate Student Research Award Committee
2017- present	Graduate Curriculum Committee
2016	Raft Debate: Psychology Department Faculty Representative

Psychology Department

2021	Assistant Teaching Professor Search Committee
2021	Promotion Committee for J. Sluzenski – Service section
2020 - present	Faculty Advisor, Drexel Chapter of Association for Neuropsychology Students & Trainees (ANST)
2018- 2020	PhD Program Curriculum Committee Member
2018, 2021	Oral Comprehensive Exams Evaluator
2018, 2019	Psychology Graduate Student Award Committee, <i>Ad Hoc</i> Reviewer
2017- present	Freshman Faculty Mentor

2017, 2018	Comprehensive Exams Re-tests/Remediation Assignment Evaluator
2015-	Comprehensive Exams Evaluator/Scorer
2015	Comprehensive Exams – Exam Content Committee Member
2016	Brain Awareness Week Committee Member & Faculty Advisor
2016, 2018	Emily Reid O’Connor Memorial Scholarship Review Panel
2014-2017	Consultation with Psychological Services Center Neuropsychology Team

Ad Hoc Service

2018-2021	Mock Interviews for MS students applying to PhD Programs
2015-2021	Mock Interviews for Clinical Psychology PhD students applying to Internship

XXI. PROFESSIONAL SERVICE

A. Service to Professional Organizations

2022 --	Center for Disability Information, Board Member and Treasurer
2021 – present	Parents and Researchers Interested in Smith-Magenis Syndrome (PRISMS) Professional Advisory Board Member
2019- present	Gatlinburg Conference on Intellectual and Devel. Dis. Executive Board
2018- 2021	International Neuropsychological Society Continuing Education Committee
2018	American Psychological Association (APA), Div. 40 Conf. Program Committee
2017-2019	APA, Div. 33 Early Career Psychologist Committee
2003-4	American Psychological Association of Graduate Students(APAGS), State Advocacy Coordinator
2003-4	APAGS, University of Denver Representative
2003-4	Colorado Psychological Association, Student Executive Board Member

B. Professional Organization Membership

2018- present	International Neuropsychological Society
2018- present	Pennsylvania Psychological Association
2016 -present	American Association on Intellectual and Developmental Disabilities
2016- present	Philadelphia Neuropsychological Society
2012 -present	National Register of Health Service Providers in Psychology
2008-11, 2016-present	American Psychological Association Division 33 Division 40

C. Service to Philadelphia Psychology Community: Symposia/conference planning

2018, November	<i>Symposium:</i> Executive function and its treatments in neurodevelopmental disorders Planned, hosted, and presented at a symposium at Drexel University that resulted from my Faculty Career Development Award. Guest speakers
----------------	---

included Drs. Lauren Kenworthy, Gregory Wallace, and Benjamin Yerys. In order to increase the audience and attendance for the symposium, I co-sponsored this event with the Philadelphia Neuropsychological Society so that we could offer Continuing Education credits for psychologists in attendance.

D. Additional Service Supporting Trainees

- 2022, Feb *Careers in Neuropsychology and Neuroscience*. Panel member for the Drexel Psi Chi and Neuroscience Society meeting.
- 2020, July *Dissecting the nature and causes of learning difficulties in youth with neurodevelopmental disorders*. Presentation to Daly Lab. Drexel University.
- 2020, Feb. Presentation on Grant Writing for AJ Drexel Autism Institute Post-Doctoral Fellows
- 2020, May, Nov *Loss and Our Evolving Identity*. Presenter/Discussant for Psychology Series on Power, Privilege, and Professional Psychology
- 2018, May Presentation on Careers in Academia at the Children’s Hospital of Philadelphia’s Internship Trainee Professional Development Meeting
- 2018, 19, 20 *Consultation as Clinical Child Psychologist*. Lecture for Doctoral Program Teaching and Consultation Course. Drexel University.
- 2017 Interviewed by students about serving on a journal’s editorial board. Article appeared in the Psychology in Intellectual and Developmental Disabilities/Autism Spectrum Disorders Official Publication of APA Division 33, Volume 43, Number 1.
- 2017 Faculty judge at Delta Phi Omega's 5th Annual Talent Show
- 2016 Interviewed for article: *Autism in Children’s Media: A Diversity Issue Ignored*; appeared in 5027 Mac, Drexel Publishing Group’s student blog

XXII. COMMUNITY LECTURES / WORKSHOPS

Webinar: *The Importance of Employment and Other Engaging Daytime Activities for Adults with Down Syndrome*

- *National Down Syndrome Society; June 2023*

Parent Workshop: *Sleep Like A Baby: Practical Sleep Tips for Parents of Individuals with Down Syndrome*

- *Delaware Down Syndrome Association; April 2023*

Parent Workshop: *The Ins and Outs of Child Behavior: How did we get here and what do we do now?*

- Delaware Down Syndrome Association; May 2023

Parent Workshop: *The Ins and Outs of Child Behavior: How did we get here and what do we do now?*

- Down Syndrome Association of Central New Jersey; May 2023

Parent Workshop: *Klinefelter Syndrome: Language, Social Skills, and Higher-Level Thinking Skills.*

- Children's Hospital of Philadelphia; March 2019.

Professional Workshop: *Neuroplasticity and the Teen Brain: Implications for the Use of Solitary Confinement with Juveniles.*

- Juvenile Law Center, Philadelphia, PA; June 2016.

Parent Workshop: *Down syndrome: A parent's guide to research on cognitive & brain development.*

- Fairfax County Schools: 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 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.
- 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.