

Curriculum Vitae

Carissa J. Cascio, Ph.D.

University of Kansas
Department of Psychology
Life Span Institute

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Lab website: www.casciolab.com
Date and place of birth: March 19th, 1975, Chicago, IL

EDUCATION

Undergraduate

8/93-5/97

Baylor University (Waco, TX)
Bachelor of Science
Major: Neuroscience

Graduate

6/97-9/03

Emory University, Atlanta, GA
Doctor of Philosophy in Neuroscience
Dissertation: "Tactile temporal processing in developmental dyslexia"
Advisor: Krish Sathian, M.D., Ph.D.
Funding: F31 Individual Predoctoral NRSA, NINDS

Postgraduate training

9/03-8/07

University of North Carolina, Chapel Hill, NC
Neurodevelopmental Disorders Research Center
Advisors: Joseph Piven, M.D., Grace T. Baranek, Ph.D.
Funding: Institutional T32 (PI: Piven)

ACADEMIC APPOINTMENTS

Current primary appointment:

Professor, Department of Psychology
Senior Scientist, Life Span Institute
University of Kansas

January 2025-present

Previous appointments:

Associate Professor	July 2017-December 2024
James G. Blakemore Chair	July 2022-December 2024
Department of Psychiatry and Behavioral Sciences	
Vanderbilt University School of Medicine	

Assistant Professor	August 2009-July 2017
Vanderbilt University School of Medicine	
Department of Psychiatry	

Research Assistant Professor	August 2007-July 2009
Vanderbilt University School of Medicine	
Department of Psychiatry	

Secondary appointments:

Training Faculty, Neuroscience Graduate Program	2009-present
Vanderbilt University	

Assistant/Associate Professor,	2009-present
Vanderbilt University	
Department of Psychology & Human Development	

Associate Professor	2021-present
Vanderbilt University	
Department of Psychological Sciences	

PROFESSIONAL ORGANIZATIONS

Society for Neuroscience (SFN)

International Society for Autism Research (INSAR)
Membership committee member 2019-2023
Membership committee co-chair 2023-2025

Society for Biological Psychiatry (SOBP)

Organization for Human Brain Mapping (OHBM)

International Multisensory Research Forum (IMRF)

International Association for the Study of Affective Touch (IASAT)

PROFESSIONAL ACTIVITIES

Intramural

Department of Psychiatry Grand Rounds Committee (chair)	2011-2018
Internal reviewer, Vanderbilt Kennedy Center Hobbs Discovery Grants	2013, 2020
Vanderbilt Kennedy Center Science Day Planning Committee (Systems Neuroscience chair)	2016
Vanderbilt Neuroscience Graduate Program Admissions Committee	2016-2023
Internal reviewer, Vanderbilt Brain Institute TIPS Grants	2019
Internal reviewer, Vanderbilt CTSA Edge Review	2020-2024
Vanderbilt Kennedy Center Membership Committee	2020-2023
Vanderbilt University Academy for Excellence in Education Academy member	2020-2024
At-large board member	2020-2022
Vanderbilt Brain Institute, Diversity, Equity and Inclusion Committee Chair	2021-2024 2022-2024
Department of Psychiatry Research Compliance Expert	2022-2024
Vanderbilt Kennedy Center Science Day Chair	2022
Vanderbilt School of Medicine Fleming Society Facilitator	2023-2024
Vanderbilt Kennedy Center Core C Associate Director	2023-2024
Vanderbilt MSTP Program Admissions Subcommittee Standing member	2023-2024

Extramural

Grant review activities

Ad Hoc Reviewer, Chief Scientist Office Predoctoral Training Fellowship, Health Services and Health of the Public Research, Scotland, UK	2009
Ad Hoc reviewer, Oak Ridge Associated Universities/Pennsylvania Department of Health	2014
Ad Hoc reviewer, National Institute of Mental Health ZMH1 ERB-S (01) K99/R00 applications	2014
Ad Hoc reviewer, National Institute of Mental Health ZMH1 ERB-M (05) S K99/R00 applications	2015
Ad Hoc reviewer, National Institute of Mental Health Child Psychopathology and Developmental Disabilities (CPDD) SRG	June 2016 February 2017 June 2017 October 2017 June 2018
CPDD Member Conflict Special Emphasis Panel	
Ad Hoc reviewer, National Institute of Mental Health NST-2 (K99/R00 and F32 applications)	June 2019
Ad Hoc reviewer, National Institute of Mental Health BBBP-S-90 (Special Emphasis Panel)	March 2022
Autism Speaks Predoctoral Fellowships Review Panel	June 2022
Autism Science Foundation Profound Autism Pilot Review Panel	November 2022
Ad Hoc reviewer, National Institute of Neurological Disorders and Stroke NINDS ZNS1 SRB-D (R35 applications)	November 2023
Ad Hoc reviewer, National Institute of Mental Health Child Psychopathology and Developmental Disabilities (CPDD) SRG	October 2024

Peer review activities

Ad hoc reviewer:

Archives of General Psychiatry/JAMA Psychiatry
Autism

Autism Research
 Biological Psychiatry
 Biological Psychology
 Brain
 Cerebral Cortex
 Child Development
 Clinical Psychology Review
 Current Biology
 Frontiers in Neuroscience
 Human Brain Mapping
 Journal of Abnormal Child Psychology
 Journal of American Academy of Child and Adolescent Psychiatry
 Journal of Autism and Developmental Disorders
 Journal of Child Psychiatry and Psychology
 Journal of Neurodevelopmental Disorders
 Journal of Neurophysiology
 Journal of Neuroscience
 Molecular Autism
 Nature Neuroscience
 Neuroimage
 Neuropsychologia
 Neuroscience Letters
 Pain
 Physiology and Behavior
 PLOS One
 Scientific Reports
 Social Cognitive and Affective Neuroscience

Abstract reviewer for International Meeting for Autism Research	2012-2020
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Editorial activities

Autism

Editorial Board Member	2016-2020
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Frontiers in Human Neuroscience: Sensory Neuroscience

Associate Editor	2019-2021
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Guest Editor, *Developmental Cognitive Neuroscience*

2016-2018

Special Issue:

Social Touch: A New Vista for Developmental Cognitive Neuroscience?

Guest Associate Editor, <i>Frontiers in Human Neuroscience</i>	2020-2022
Special Issue:	
When the Body Feels Like Mine: Constructing and Deconstructing the Sense of Body Ownership Through the Lifespan	

Conference session organizer

"The Insula and Anterior Cingulate Cortex: Salience, Interoception, and Autism Symptoms"). 12th Annual International Meeting for Autism Research, San Sebastian, Spain.	2013
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Other

Member, PCORI TRUST Research Stakeholder Group	2021-2023
(Transforming Research: Understanding Sensory Experiences in ASD, Stakeholders Working Together, PI: Baranek)	

Honors and Awards

Baylor University Presidential Scholar	1993-1997
Robert C. Byrd Scholar	1993-1995
Baylor Outstanding Senior in Research, Psychology & Neuroscience	1997
Individual Predoctoral National Research Service Award (F32)	2001-2003
Mentored Research Scientist Development Award (K01)	2010-2014
Douglas Powers Child Psychiatry Career Development Award	2012
Slifka/Ritvo Innovation in Autism Research Award	
International Society for Autism Research	2012
Plenary speaker, Vanderbilt Translational Research Forum (One of six early career scientists selected to present in plenary session)	2014
David Williams/Pat Summitt Honorarium for VKC Autism Research	2020
Vanderbilt Academy for Excellence in Education	2020-2024
At-Large Board Member	2020-2022
James G. Blakemore Endowed Chair in Psychiatry	2022-2024

Vanderbilt Neuroscience Graduate Program Mentor of the Year	2023
University of Kansas Senior Administrative Fellow	2025-2026

TEACHING AND MENTORSHIP ACTIVITIES

Course directorship

Vanderbilt University School of Medicine

Foundations of Medical Knowledge Course

Co-Director, Brain, Behavior and Movement Block 2017-2024

Designed and implemented 3-week neuroscience-based Psychiatry curriculum and assessment for first-year medical students, including lecture, case-based learning exercises, and team-based learning exercises.

Small group facilitator

Vanderbilt University School of Medicine

Foundations of Medical Knowledge Course 2017-2023

Guided first year medical students in case-based learning activities

Lectures given in medical, graduate, and undergraduate courses

University of North Carolina

Neuroscience for Allied Health (Instructor: J. Womack)

Lecture on neural development 2006

Cellular and Molecular Neurobiology II (Instructor: A. Stuart)

Lecture on functional neuroimaging of sensory systems 2007

Vanderbilt University

Graduate

Neurobiology of Disease (NURO 8365, Instructor: Ariel Deutch)

Lectures on neuroimaging of autism spectrum disorders 2008, 2010

2015, 2018

2019, 2020

Clinical Seminar: Culture and Mental Illness (PSY 352, Instructor: Sohee Park)

Lecture on the rubber hand illusion in autism 2013

Electrophysiology and Imaging (HRSP 366, Instructor: Sasha Key)

<i>Lecture on structural and functional MRI in research</i>	2014
Developmental Psychopathology Proseminar (Instructors: Judy Garber and Steve Hollon)	2015
Fundamentals of Neuroscience II (NURO 8340, Instructors: Christine Konradi and Calum Avison)	
<i>Lecture on sensory gating disorders</i>	2017
Principles of Pharmacology in Neurobiological Research (PHAR8338, Instructor: Christine Konradi)	
<i>Lecture on Sensory processing in autism from the systems neuroscience and behavioral perspectives</i>	2022, 2024
Medical Genetics 1 (Instructor: Jill Slamon)	
<i>Lecture on Child Development</i>	2021-2023
Medical/ Residency/Fellowship	
Psychiatry Residency PGY2 Didactics	
<i>Lectures on autism spectrum disorders</i>	2013-2024
<i>Lecture on sensory neuroscience</i>	2015
VMS III Enrichment, Department of Psychiatry	
<i>Lecture on serotonin and autism</i>	2010
<i>Lecture on network neuroimaging and autism</i>	2011
VMS II Neuroanatomy lab preceptor (Instructor: Ron Cowan)	2013
VMS II Brain and Behavior (Instructor: Ariel Deutch)	
<i>Lecture on brain development</i>	2013
<i>Lecture on the somatosensory system</i>	2013
PGY Case-Based Learning, Department of Psychiatry (Instructor: Ron Cowan)	
<i>Lectures on neuroscience of autism spectrum disorder</i>	2015-2024
Child Psychiatry Fellowship Didactics	
<i>Lecture on autism spectrum disorder</i>	2015- 2024
Undergraduate	
The Embodied Mind (PHIL 213, Instructor: Lisa Guenther)	
Lecture on multisensory peripersonal space in autism	2011

Research Supervision

Postdoctoral trainees

- Michelle Failla, Ph.D. 2015-2020
Current position: Research Assistant Professor of Nursing, Ohio State University
Awards: Autism Science Foundation Postdoctoral Fellowship
- Jennifer Quinde-Zlibut, Ph.D. 2022-2024
- Alisa Zoltowski, Ph.D. 2023-present

Doctoral students

- Jennifer Foss-Feig 2008-2011
Graduate student in clinical psychology
Current position: Assistant Professor of Psychiatry, Mt. Sinai School of Medicine
Awards: Dennis Weatherstone Predoctoral Fellowship, Autism Speaks; NARSAD Young Investigator Award
- Cara Damiano-Goodwin 2009-2010
Graduate student in clinical psychology
Current position: Private clinical practice
- Lauren Bryant 2012-2019
Doctoral student in neuroscience
Current position: Program Manager, Microsoft Corp.
Awards: Individual F31 Predoctoral Fellowship, NIMH
- Alisa Zoltowski 2018-2023
Doctoral student in neuroscience
Awards: Family S Endowed Scholarship
- Jennifer Quinde 2018-2022
Doctoral student in neuroscience
Awards: INSAR Diversity Travel Award
- Zachary Williams (co-mentor) 2018-2024
MD/PhD student in neuroscience
Awards: INSAR Autistic Researcher Award
- Kacie Dunham (co-mentor) 2019-2024
Doctoral student in neuroscience

- Kimberly Bress 2022-present
MD/PhD student in neuroscience
- William Quackenbush (co-mentor) 2023-present
Doctoral student in neuroscience
- Hari Srinivasan (co-mentor) 2023-present
Doctoral student in neuroscience

Medical student research supervision

- Scott Bolton 2008-2009
Current position: Fellow in Pediatric Emergency Medicine
Cincinnati Children's Hospital
- Marissa Blanco 2009-2010
Current position: Resident in Pediatrics
Children's Hospital of Pittsburgh
- Catherine Necessary 2011-2012
Current position: Resident in Internal Medicine
Vanderbilt University Medical Center
- Nicholas Dikhtyar 2024
Current position: M2, University of Tennessee, Memphis
- Erica Hassoun 2024-2025
Current position: M3, Vanderbilt University School of Medicine

Masters students

- Robert Hilton 2008
Early childhood education (practicum supervisor)
- Alison Wilhelm 2009
Early childhood education (practicum supervisor)
- Micheal Gmaz Sandbank 2010-2011
Special education (research supervisor)
Current position: Assistant Professor of Special Education, University of Texas
- Alan Faulks 2019-2020

MS in Biomedical sciences (research supervisor)

Residents/fellows

- Cynthia Wilson, M.D. 2008-2009
Resident research supervision
Current position: Child Psychiatrist,
St. Vincent's Medical Center, Bridgeport, CT
- Brittany Peters, M.D. 2013-2016
Resident/fellow research supervision
Current position: Child Psychiatrist,
South Carolina Department of Mental Health

Undergraduate

NSC 292 Research Supervision, Vanderbilt University

Preston Eiswirth	2009
Evan McClure	2009
Nemi Shah*	2010
Celina Jacobi	2010-2011
Matthew Hoscheit*	2010-2011
Margaret Choo	2010-2011
Bradley Stirling	2010
Hollie Black	2011-2012
Ekom Eyoh	2015-2016
Regan Allen	2012-2013
Hayley Willer	2012-2016
Jennifer Milsten	2015-2016
Jeremy Leganski	2015-2016
Sarah Bowman	2015-2017
Abigail Morgan	2015-2017
Ashley Augustine	2016-2018
Payton DePalma	2016-2018
Kyle Schwartz	2017-2020
Emily Alpin	2018-2020
Neeti Gandra	2019-2020
Mary Sullivan	2021-2022
Maya Sachs	2021-present
Fiona Wu+	2021-present
Emily Plump+	2022-present
Eshani Arumulla+	2022-present

Emily Gothelf	2022-present
Sheila Akavan	2021-2023
Lola Daley*	2023-2024
Maylyn Mei+	2023
Parker Wilkinson	2024-2025

(*Honors thesis, +Vanderbilt University Summer Research Fellowship)

<u>PSY 2980 Research Supervision</u> , Vanderbilt University	
Alyson Hasty	2010-2011

Other training/supervision

Vanderbilt University

Doctoral Student Committee Memberships

Jennifer Pryweller, Interdisciplinary Studies	2010-2013
Neuroimaging of Neurodevelopmental Disorders	
Mentor: Tricia Thornton-Wells	

Kathryn Unruh (chair)	2014-2017
Neuroscience	
Mentor: Jim Bodfish	

David Simon	2015-2017
Neuroscience	
Mentor: Mark Wallace	

Robin Shafer (chair)	2016-2019
Neuroscience	
Mentor: Jim Bodfish	

Gabriella DiCarlo	2017-2019
Neuroscience (MSTP)	
Mentor: Mark Wallace	

Sahana Nagabhushan Kalburgi (chair)	2018-2020
Neuroscience	
Mentor: Jim Bodfish	

Elizabeth Flook	2019-2021
Neuroscience/MSTP	
Mentor: Jennifer Blackford	

Anne Taylor Neuroscience Mentor: Danny Winder	2021-2023
Danielle Adank Neuroscience Mentor: Danny Winder	2022-present
Sarah Vassall Neuroscience Mentor: Mark Wallace	2022-present
Vanessa Miller Biological Sciences Mentor: Kendall Broadie	2023-present
Drew Kittleson Neuroscience/MSTP Mentor: Julia Sheffield	2024-present
<u>Postdoctoral Mentoring Committee Memberships</u>	
Tiffany Rogers, Primary mentor: Jeremy Veenstra-VanderWeele	2013-2015
Sarah Baum, Primary mentor: Mark Wallace	2014-2016
<u>Faculty Mentoring Committee Memberships</u>	
David Isaacs, MD	2019-2024
Joshua Smith, MD (chair)	2021-2024

RESEARCH PROGRAM

Current grant support

National Institute of Mental Health 1 R01MH135028-01A1 2024-2029
"Ultra-high resolution imaging of category-selective visual cortex in autism"
Role: MPI
Effort: 2 calendar months

Completed grant support

NIH

National Institute of Mental Health 1 R01MH102272-06 2014-2024
"Bridging the internal and external sensory worlds in ASD"
Role: PI
Effort: 6.96 calendar months

National Institute of Mental Health 1R21MH132040 2022-2024
"Development of brain structure supporting face learning in infants at risk for autism"
Role: co-PI
Effort: 1.8 calendar months

National Institute of Mental Health 1 R01 DC020186-01 2022-2024
"Sensory Project in Infants and Toddler Siblings of Children with Autism"
Role: co-I; PI: Tiffany Woynaroski
Effort: 1.8 calendar months

National Institute of Mental Health 1 R21MH109225 2016-2018
"Peripersonal space representation as a basis for social deficits in autism and schizophrenia"
Role: co-PI (contact PI)
Effort: 1.14 calendar months
\$434,500 (cumulative, 2 years, direct + F&A)

National Institute of Mental Health 1 R21MH101321 2014-2016
"Mapping Thalamocortical Networks Across Development in ASD"
Role: co-PI (contact PI)
Effort: 2.4 calendar months
\$431,334 (cumulative, 2 years, direct + F&A)

National Institute of Child Health and Development 5 U54HD083211 2016-2020
PI: Jeff Neul
"Sensory and multisensory contributions to autism" (Mark Wallace, PI)
Role: Co-I
Effort: 1.20 calendar months

National Institute of Child Health and Development 1 R21DC016144 2017-2020
PI: Tiffany Woynaroski
"Sensory Project in Infant/Toddler Siblings of Children with Autism (Project SPIS)"
Role: Co-I
Effort: 1.20 calendar months

National Institute of Mental Health K01 MH90232 2011-2015
"Neurobehavioral
Investigation of Tactile Features in Autism Spectrum Disorders"
Role: PI Effort: 10.8 calendar months
\$654,898 (cumulative, 4 years, direct + F&A)

Foundation

Misophonia Research Fund 2022-2024
"Understanding the Perceptual and Neural Underpinnings of Decreased Sound Tolerance
in Adults with and without Autism Spectrum Disorder"
Role: Co-I, PI: Tiffany Woynaroski
Effort: 0.6 calendar months

Nancy Lurie Marks Foundation Sensory Research Consortium 2021-2022
Role: Co-I, PI: Roseann Schaaf
Effort: 0.6 calendar months

Slifka/Ritvo Innovation in Autism Research Award: Interoception in Autism Spectrum
Disorders
Role: PI 2012-2013
\$12,500 (direct)

Marino Autism Research Institute Discovery Grant: Neural Correlates of Sensory Processing
Atypicalities in Infants at Risk for Autism Spectrum Disorders
Role: PI 2009-2011

\$7,300 (direct)

Autism Speaks Basic and Clinical Research Award: Unisensory and Multisensory Interactions in Autism

Role: co-I (PI: Essick) Effort: 1.2 calendar months 2007-2010

\$350,000 (cumulative, 3 years, direct)

Internal

Vanderbilt Frist Center for Autism and Innovation Large Project 2021-2023

"Tools to Support Social Skills: Facial Mimicry in the Job Interview"

Role: PI

\$15,000

Vanderbilt Hobbs Discovery Grant 2021-2022

"Understanding early face learning in autism through ultra-high-resolution imaging"

Role: PI

\$30,000

David Williams/Pat Summitt Honorarium for VKC Autism Research 2020-2022

\$10,000

Vanderbilt Trans-Institutional Project 2018-2019

"Discovery of Novel Imaging Phenotypes of Autism Spectrum Disorder using ImageVU

Role: co-PI, with Bennett Landman, co-PI

\$50,000

VICTR Resource VR52703 PI: Rankin McGugin 2018-2021

PI: Rankin McGugin

"Structural Correlates of Behavior in Autism Spectrum Disorder"

\$17,130

Role: Co-I

Vanderbilt Hobbs Discovery Grant 2008-2009

"Thalamocortical Pathways and Sensory Processing in Autism"

Role: PI

\$30,000

Landreth Family Discovery Grant: Neuroimaging and Genetics of Sensory Processing in Autism Spectrum Disorders

Role: co-PI 2009-2012

\$100,000 (direct)

Vanderbilt VICTR Resource 2012-2015

"Neurobehavioral Investigation of Tactile Features in Autism Spectrum Disorders"

Role: PI

\$32,000

Vanderbilt Conte Center Pilot Award

2015-2016

"Somatotopic Maps and Serotonin in ASD"

Role: PI

\$20,000

PUBLICATIONS AND PRESENTATIONS

Articles in refereed journals (in chronological order)

1. Wang, Z, Yu, G, **Cascio, C**, Liu, Y, Gingrich, B, Insel, TR. (1999). Dopamine D2 receptor-mediated regulation of partner preferences in female prairie voles (*Microtus ochrogaster*): a mechanism for pair bonding. *Behav Neurosci*, 113(3), 602-11.
2. Gingrich, B, Liu, Y, **Cascio, C**, Wang, Z, Insel, TR. (2000). Dopamine D2 receptors in the nucleus accumbens are important for social attachment in female prairie voles (*Microtus ochrogaster*). *Behav Neurosci*, 114(1), 173-83.
3. **Cascio, CJ**, Sathian, K. (2001). Temporal cues contribute to tactile perception of roughness. *J Neurosci*, 21(14), 5289-96.
4. Styner, MA, Oguz, I, Smith, RG, **Cascio, C**, Jomier, M. (2005). Corpus callosum subdivision based on a probabilistic model of inter-hemispheric connectivity. *Med Image Comput Comput Assist Interv*, 8(Pt 2), 765-72.
5. **Cascio, C**, Styner, M, Smith, RG, Poe, MD, Gerig, G, Hazlett, HC, Jomier, M, Bammer, R, Piven, J. (2006). Reduced relationship to cortical white matter volume revealed by tractography-based segmentation of the corpus callosum in young children with developmental delay. *Am J Psychiatry*, 163(12), 2157-63.
6. Tommerdahl, M, Tannan, V, **Cascio, CJ**, Baranek, GT, Whitsel, BL. (2007). Vibrotactile adaptation fails to enhance spatial localization in adults with autism. *Brain Res*, 1154, 116-23.
7. **Cascio, CJ**, Gerig, G, Piven, J. (2007). Diffusion tensor imaging: Application to the study of the developing brain. *J Am Acad Child Adolesc Psychiatry*, 46(2), 213-23.
8. **Cascio, C**, McGlone, F, Folger, S, Tannan, V, Baranek, G, Pelphrey, KA, Essick, G. Tactile perception in adults with autism: a multidimensional psychophysical study. (2008). *J Autism Dev Disord*, 38(1), 127-37.

9. Foss-Feig, JH, Kwakye, L, **Cascio, CJ**, Burnette, CP, Kadivar, H, Stone, WL, Wallace, MT. (2010). An extended multisensory temporal binding window in autism spectrum disorders. *Exp Brain Res*, 203, 381-389.
10. **Cascio, CJ**. (2010). Somatosensory processing in neurodevelopmental disorders. *J Neurodev Disord*, 2, 62-69.
11. Bauernfeind, AL, Dietrich, M., Blackford, JU, Charboneau, EJ, Lillevig, JG, Cannistraci, CJ, Woodward, ND, Cao, A, Watkins, T, Di Iorio, CR, **Cascio, C**, Salomon, RM, & Cowan, RL. (2011). Human ecstasy use is associated with increased cortical excitability: an fMRI study. *Neuropsychopharmacology*, 36(6):1127-41.
12. Kwakye, LD, Foss-Feig, JH, **Cascio, CJ**, Stone, WL, & Wallace, MT. (2011). Altered auditory and multisensory temporal processing in autism spectrum disorders. *Front Integr Neurosci*, 4, 129.
13. Foss-Feig, JH, Heacock, JL, & **Cascio, CJ**. (2012). Tactile responsiveness patterns and their association with core features in autism spectrum disorders. *Res Autism Spectr Disord* 6, 337-44.
14. **Cascio, CJ**, Foss-Feig, JH, Burnette, CP, Heacock, JL, & Cosby, AA. (2012). The rubber hand illusion in children with autism spectrum disorders: delayed influence of combined tactile and visual input on proprioception. *Autism* 16, 406-19.
15. **Cascio, CJ**, Moana-Filho, EJ, Guest, S, Nebel, MB, Weisner, J, Baranek, GT, Essick, GK. (2012). Perceptual and neural response to affective tactile texture stimulation in adults with autism spectrum disorders. *Autism Res*, Aug;5(4):231-44.
16. **Cascio, CJ**, Foss-Feig, JH, Heacock, JL, Newsom, CR, Cowan, RL, Benningfield, MM, Rogers, BP, Cao, A. (2012). Response of neural reward regions to food cues in autism spectrum disorders. *J Neurodev Disord*, 4:9.
17. **Cascio, CJ**, Gribbin, MJ, Gouttard, S, Smith, RG, Jomier, M, Field, SH, Graves, M, Hazlett, HC, Muller, K, Gerig, G, Piven, J. (2013). Fractional anisotropy distributions in 2-6 year-old children with autism. *J Intellect Disabil Res*, 57(11):1037-49.
18. Foss-Feig, JH, Tadin, D., Schauder, KB, **Cascio, CJ**. (2013). A substantial and unexpected enhancement of motion perception in autism. *J Neurosci*, 33(19):8243-49.
19. **Cascio, CJ**, Foss-Feig, JH, Heacock, J, Schauder, KB, Loring, WA, Rogers, BP, Pryweller, JR, Newsom, CR, Cockhren, J, Cao, A, Bolton, S. (2014). Affective neural response to restricted interests in autism spectrum disorders. *J Child Psychol Psychiatry*, 55:162-71.
20. Pryweller, JR, Schauder, KB, Anderson, AW, Heacock, JL, Foss-Feig, JH, Newsom, CR, Loring, WA, **Cascio, CJ**. (2014). White matter correlates of sensory processing in autism spectrum disorders. *Neuroimage: Clinical*, 6:379-87.

21. Fetner, MW, **Cascio, CJ**, Essick, G. (2014). Patient with non-verbal autism spectrum disorder and obstructive sleep apnea: use of desensitization to fabricate a dental appliance. *Pediatric Dentistry*, 36(7):499-501.
23. Schauder, KB, Muller, C, Veenstra-Vanderweele, J., **Cascio, CJ**. (2015). Genetic variation in serotonin transporter modulates tactile hyperresponsiveness in ASD. *Research in Autism Spectrum Disorders*, 10:93-100, 2015.
24. Schauder, KB, Mash, LE, Bryant, LK, **Cascio, CJ**. (2015). Interoceptive ability and body awareness in autism spectrum disorder. *Journal of Experimental Child Psychology*, 131:193-200.
25. **Cascio, CJ**, Gu, C, Schauder, KB, Key, AP, Yoder, P. (2015). Somatosensory event-related potentials and association with tactile behavioral responsiveness patterns in children with ASD. *Brain Topography* 28(6):895-903.
26. Woodward, ND, **Cascio, CJ**. (2015). Resting-state Functional Connectivity in Neuropsychiatric Disorders. *JAMA Psychiatry* 72(8):743-4.
27. **Cascio, CJ**, Lorenzi, J, Baranek, GT. (2016). Self-reported pleasantness ratings and examiner-coded defensiveness in autism. *Journal of Autism and Developmental Disorders*, May;46(5):1528-37.
28. Riddle, K, **Cascio, CJ**, Woodward, ND. (2016). Brain structure in autism: A voxel-based Morphometry and analysis of the Autism Brain Imaging Database Exchange (ABIDE). *Brain Imaging and Behavior*, 11(2): 541-55. PMID: 26941174
29. **Cascio, CJ**, Woynaroski, T, Baranek, GT, Wallace, MT. (2016). Toward an interdisciplinary approach to understanding sensory function in autism spectrum disorder *Autism Res*, 2016 Apr 19. doi: 10.1002/aur.1612. [Epub ahead of print]
30. Foss-Feig, JH, McGugin, RW, Gauthier, I, Mash, LE, Ventola P, **Cascio, CJ**. (2017). A functional neuroimaging study of fusiform response to restricted interests in children with autism spectrum disorder. *J Neurodevelopmental Disord*, Apr 14;8:15. doi: 10.1186/s11689-016-9149-6.
30. Mash, LE, Schauder, KB, Cochran, C, Park, S, **Cascio, CJ**. (2017). The development of interoceptive cognition in autism spectrum disorder and typical development. *Journal of Cognitive Education and Psychology* 16: 23-37.
31. Noel, JP, **Cascio, CJ**, Wallace, MT, Park, S. (2017). The spatial self in schizophrenia and autism spectrum disorder *Schizophrenia Research*, Jan; 179: 8-12.
32. Woodward, ND, Giraldo-Chica, M, Rogers, BP, **Cascio, CJ**. (2017). Thalamocortical dysconnectivity in autism spectrum disorder: An analysis of the Autism Brain Imaging Data Exchange (ABIDE) *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 2:76-84.

33. Failla, MD, Moana-Filho, E, Essick, G, Baranek, GT, Rogers, B, **Cascio, CJ**. (2017). Initially Intact neural responses to pain in autism are diminished during sustained pain. *Autism*, Jun 13;8:25. doi: 10.1186/s13229-017-0143-y. eCollection 2017.
34. Simon, DW, Damiano-Goodwin, CR, Woynaroski, TG, Ibanez, LV, Murias, M, Stone, WL, Wallace, MT, **Cascio, CJ** (2017). Neural correlates of sensory hyporesponsivity in toddlers at increased risk for autism spectrum disorder. *Journal of Autism and Developmental Disorders*, doi: 10.1007/s10803-017-3191-4.
35. Failla, MD, Peters, BR, Karbasforoushan, H, Foss-Feig, JH, Schauder, KB, Heflin, BH, **Cascio, CJ** (2017). Intra-insular connectivity and somatosensory responsiveness in young children with ASD. *Molecular Autism*, Jun 13;8:25. doi: 10.1186/s13229-017-0143-y.
36. Damiano-Goodwin, CR, Woynaroski, TG, Simon, DM, Ibanez, LV, Murias, M, Newsom, CR, Wallace, MT, Stone, WL, **Cascio, CJ**. (2017). Developmental sequelae and neurophysiologic substrates of sensory seeking in infant siblings of children with autism spectrum disorder. *Developmental Cognitive Neuroscience* pii: S1878-9293(16)30147-5. doi: 10.1016/j.dcn.2017.08.005.
37. Noel, JP, Lytle, M, **Cascio, CJ**, Wallace, MT. (2018). Disrupted integration of exteroceptive and interoceptive signaling in autism spectrum disorder. *Autism Res*. 2018 Jan;11(1):194-205. doi: 10.1002/aur.1880. Epub 2017 Oct 14.
38. **Cascio, CJ**, Moore, D, McGlone, F. (2018). Social touch and human development. *Dev Cogn Neurosci*. 2018 Apr 24. pii: S1878-9293(17)30196-2. doi: 10.1016/j.dcn.2018.04.009. [Epub ahead of print]
39. Gliga, T, Farroni, T, **Cascio CJ**. (2018). Social touch: A new vista for developmental cognitive neuroscience? *Dev. Cogn Neurosci*. Pii: S1878-9293(18)30114-2. Doi: 10.1016/j.dcn.2018.05/006
40. Williams, ZJ, Failla, MD, Gotham, KO, Woynaroski, TG, **Cascio, C**. (2018). Psychometric evaluation of the short sensory profile in youth with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, doi: 10.1007/s10803-8-3678-7.
41. Bian, D, Zheng, Z, Swanson, A, Weitlauf, A, Woynaroski, T, **Cascio, CJ**, Key, AP, Warren, Z, Sarkar N. (2018). A novel multisensory stimulation and data capture system (MADCAP) for investigating sensory trajectories in infancy. *IEEE Trans Neural Syst Rehabil Eng*. Aug 26(8): 1526-1534.
42. Sandbank, M, **Cascio, C**. (2019). Using a motion-tracking device to facilitate motion control in children with ASD for neuroimaging. *Dev Neurorehabil* Aug 6: 1-11. doi: 10.1080/17518423.2018.1502831.
43. Bryant, LK, Woynaroski, TG, Wallace, MT, **Cascio, CJ**. (2019). Self-reported Sensory Hypersensitivity Moderates Association between Tactile Psychophysical Performance and Autism-related Traits in Neurotypical Adults. *Journal of Autism and Developmental Disorders* 49(8): 3159-3172.

44. Williams, ZJ, Failla, MD, Davis, SL, Heflin, BH, Okitondo, CD, Moore, DJ, **Cascio, CJ**. (2019). Thermal Perceptual Thresholds are typical in Autism Spectrum Disorder but Strongly Related to Intra-individual Response Variability. *Scientific Reports* 9(1): 12595. Doi: 10.1038/s41598-019-49103-2.
45. Vaughan S, Poole H, Forshaw MJ, McGlone F, Failla MD, **Cascio CJ**, Moore DJ. (2019). Pain Processing in Psychiatric Conditions: A systematic review. *Rev Gen Psychol* 23(3), 336-358.
46. Chaganti, S, Welty, VF, Taylor, W, Albert, K, Failla, MD, **Cascio, C**, Smith, S, Mawn, L, Resnick, SM, Beason-Held, LL, Bagnato, F, Lasko, T, Blume, JD, Landman, BA. (2019). Discovering Novel Disease Comorbidities using Electronic Medical Records. *PLoS One* 14(11):e0225495. Doi: 10.131/journal.pone.0225495.
47. Parvathaneni P, Bao S, Nath V, Woodward ND, Claassen DO, **Cascio CJ**, Zald DH, Huo Y, Landman BA, Lyu I. (2019). Cortical Surface Parcellation using Spherical Convolutional Neural Networks. *Medical image computing and computer-assisted intervention : MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention*. 11766:501-509. PubMed PMID: 31803864; PubMed Central PMCID: PMC6892466; DOI: 10.1007/978-3-030-32248-9_56.
48. Failla, MD, Schwartz, KL, Chaganti, S, Cutting, L, Landman, BA, **Cascio, CJ**. Using phecode analysis to characterize co-occurring medical conditions in autism spectrum disorders (2020). *Autism* Jul 14:1362361320934561. doi: 10.1177/1362361320934561. Online ahead of print. PMID: 32662293
49. Noel, JP, Bertoni, T, Terrebone, E, Pellencin, E., Herbelin, B, **Cascio, C**, Blanke, O, Magosso, E, Wallace, MT, Serino, A. Rapid recalibration of peri-personal space: Psychophysical, electrophysiological, and neural network modeling evidence. (2020). *Cerebral Cortex*, 30(9):5088-5106.
50. Quinde-Zlibut, JM, Okitondo, CD, Williams, ZJ, Weitlauf, A, Mash, LE, Heflin BH, Woodward, ND, **Cascio, CJ**. (2020). Elevated thresholds for light touch in children with autism reflect more conservative perceptual decision-making rather than a sensory deficit. *Frontiers in Human Neuroscience* 14:122. Doi: 10.3389/fnhum.2020.00122
51. Failla, MD, Bryant, LK, Heflin, B, Mash, L, Schauder, K, Davis, S, Gerdes, M, Weitlauf, A, Rogers, BP, **Cascio, CJ**. (2020). Neural correlates of interoception across development: implications for social symptoms in autism spectrum disorders (2020). *Autism Research* 13:908-20.
52. Failla, MD, Gerdes, MB, Williams, ZJ, Moore, DJ, **Cascio, CJ**. (2020). Increased pain sensitivity and pain-related anxiety in individuals with autism. *Pain Reports* 5(6): e861. <https://doi.org/10.1097/PR9.0000000000000861>
53. Noel, JP, Failla, MD, Quinde Zlibut, JM, Williams, JM, Gerdes, M, Tracy, JM, Zoltowski, AR, Foss-Feig, JH, Nichols H, Armstrong, K, Heckers, SH, Blake, RR, Wallace, MT, Park, S, **Cascio,**

CJ. (2020). Visual-tactile spatial multisensory interaction in adults with autism and schizophrenia. *Frontiers in Psychiatry*, 11. <https://doi.org/10.3389/fpsy.2020.578401>

54. Isaacs, D, Key, AP, **Cascio, CJ**, Conley, AC, Walker, HC, Wallace, MT, Claassen, DO. (2020). Sensory hypersensitivity severity and association with obsessive-compulsive symptoms in adults with tic disorder. *Journal of Neuropsychiatric Disease and Treatment*, 16:2591-2601.

55. Williams, ZJ, He, JL, **Cascio, CJ**, Woynaroski TW. (2021). A review of decreased sound tolerance in autism: Definitions, phenomenology, and potential mechanisms. *Neuroscience and Biobehavioral Reviews* <https://doi.org/10.1016/j.neubiorev.2020.11.030>

56. Noel, JP, Paredes, R, Terrebonne, E, Feldman, JI, Woynaroski, T, **Cascio, CJ**, Seriès, P, Wallace, MT. (2021). Inflexible updating of the self-other divide during a social context in autism: Psychophysical, electrophysiological, and neural network modeling evidence. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging* <https://doi.org/10.1016/j.bpsc.2021.03.013>

57. Feldman, JI, Raj, S, Bowman SM, Santapuram, P, Golden, AJ, Daly, C, Dunham, K, Suzman, E, Augustine AE, Garla, V, Muhumuza, A, **Cascio, CJ**, Williams KL, Kirby AV, Keceli-Kaysili, B, Woynaroski, TG (2021). Sensory responsiveness is linked with communication in infant siblings of children with and without autism. *Journal of Speech, Language, and Hearing Research* https://doi.org/10.1044/2021_JSLHR-20-00196

58. Zoltowski, AR, Lyu, I, Failla, M, Mash, LE, Dunham, K, Feldman, JI, Woynaroski, T, Wallace, MT, Barquero, LA, Nguyen, TQ, Cutting, LE, Kang, H, Landman, BA, & **Cascio, CJ**. (2021). Cortical morphology in autism: findings from a cortical shape-adaptive approach to local gyrification indexing. *Cerebral Cortex* 31(11):5188-5205. <https://doi.org/10.1093/cercor/bhab15>

59. Suzman, E, Williams, ZJ, Feldman, JI, Failla, M, **Cascio, CJ**, Wallace M, Niarchou, M, Sutcliffe, J, Wodka, E, Woynaroski, T. (2021). Psychometric validation and refinement of the interoception sensory questionnaire (ISQ) in adolescents and adults on the autism spectrum. *Molecular Autism* 12(1):42. <https://doi.org/10.1186/s13229-021-00440-y>

60. Quinde-Zlibut, JM, Williams, ZJ, Gerdes M, Mash LE, Heflin BH, **Cascio, CJ**. (2021). Multifaceted empathy differences in children and adults with autism. *Sci. Rep.* 11(1):19503; <https://doi.org/10.1038/s41598-021-98516-5>

61. Eyoh, EE, Failla, MD, Williams, ZJ, Schwartz, K.L, Cutting, LE, Landman, BA, & **Cascio, CJ**. (2021). Brief Report: The characterization of medical comorbidity prior to autism diagnosis in children before age two. *Journal of Autism and Developmental Disorders*; <https://doi.org/10.1007/s10803-021-05380-3>

62. Zoltowski, AR, Failla, M, **Cascio, CJ**. (2022). Social touch and allostasis. *Current Opinion in Behavioral Sciences* 44:69-74. <https://doi.org/10.1016/j.cobeha.2021.08.005>

63. Isaacs, D, Key AP, **Cascio, CJ**, Conley, AC, Riordan, H, Walker, HC, Wallace, MT, Claassen, DO. (2022). Cross-disorder comparison of sensory over-responsivity in chronic tic disorders and obsessive-compulsive disorder. *Comprehensive Psychiatry* 113, 152291. <https://doi.org/10.1016/j.comppsy.2021.152291>
64. Crucianelli, L, **Cascio CJ**, Salomon, R, & Salvato, G. (2022). When the body feels like mine: Constructing and deconstructing the sense of body ownership through the lifespan. *Frontiers in Human Neuroscience-Cognitive Neuroscience*, 854135. doi: [10.3389/fnhum.2022.854135](https://doi.org/10.3389/fnhum.2022.854135)
65. Quinde-Zlibut, J, Munshi, A, Biswas, G, **Cascio, CJ**. (2022). Identifying and describing subtypes of spontaneous empathic facial expression production in autistic adults. *Journal of Neurodevelopmental Disorders* 14(1):43. doi: [10.1186/s11689-022-09451-z](https://doi.org/10.1186/s11689-022-09451-z)
66. Williams, ZJ, Suzman, E, Bordman SL, Markfeld, J, Kaiser, S, Dunham, KA., Zoltowski AR, Failla, M, **Cascio, CJ**, Woynaroski, T. (2022). Characterizing Interoceptive Differences in Autism: A Systematic Review and Meta-analysis of Case-control Studies. *Journal of Autism and Developmental Disorders* 53 (3), 947-962. doi: [10.1007/s10803-022-05656-2](https://doi.org/10.1007/s10803-022-05656-2)
67. Narapareddy A, Eckland MR, Riordan HR, **Cascio CJ**, Isaacs DA. (2022). Altered interoceptive sensibility in adults with chronic tic disorder. *Frontiers in Psychiatry* 13:914897. doi: [10.3389/fpsy.2022.914897](https://doi.org/10.3389/fpsy.2022.914897)
68. Williams ZJ, **Cascio CJ**, Woynaroski TG. (2022). Psychometric validation of a brief self-report measure of misophonia symptoms and impairment: The Duke-Vanderbilt Misophonia Screening Questionnaire. *Frontiers in Psychology*, 4281. doi: <https://doi.org/10.3389/fpsyg.2022.897901>
69. Williams ZJ, **Cascio CJ**, Woynaroski, TG (2022). Measuring subjective quality of life in autistic adults with the PROMIS global-10: Psychometric study and development of an autism-specific scoring method. *Autism* 27, 145-57. <https://doi.org/10.1177/13623613221085364>
70. Dunham KA, Zoltowski A, Feldman JI, Davis S, Roger BP, Failla MD, Wallace MT, **Cascio CJ**, Woynaroski TG. (2023). Neural correlates of audiovisual speech processing in youth with and without autism. *Journal of Multisensory Research* 36 (3), 263-288.
71. Isaacs DA, Conley AC, Key AP, **Cascio CJ**, Walker HC, Wallace MT, Claassen DO. (2023). Electroencephalographic correlates of sensory over-responsivity in adults with chronic tic disorders. *Journal of Clinical and Translational Science* 7(s1): 469.
72. Williams ZJ, Ausderau KK, Baranek GT, Barrett DJ, **Cascio CJ**, Dumont RL, Ekomobong EE, Failla MD, Feldman JI, Foss-Feig JH, Green HL, Green SA, He JL, Kaplan-Kahn EA, Keceli-Kaysili B, MacLennan K, Mailloux Z, Marco EJ, Mash LE, McKernan EP, Molhom S, Mostofsky SH, Puts NAJ, Robertson CE, Russo N, Shea N, Sideris J, Sutcliffe JS, Tavassoli T, Wallace MT, Wodka EL, Schaaf R, Woynaroski TG. (2023). Examining the latent structure and correlates of sensory reactivity in autism: A multi-site integrative data analysis by the Autism Sensory Research Consortium. *Molecular Autism* 14(1): 31.

73. Zoltowski AR, Failla MD, Moana-Filho EJ, Essick GK, Baranek GT, Rogers BP, **Cascio, CJ**. Differences in temporal profile of brain responses and pleasantness of somatosensory stimulation in autistic individuals. (2023). *Somatosensory and Motor Research* online ahead of print, doi: [10.1080/08990220.2023.2294715](https://doi.org/10.1080/08990220.2023.2294715)
74. Feldman JI, Garla V, Dunham K, Markfeld JE, Bowman SM, Golden AJ, Daly C, Kaiser S, Mailapur N., Raj S, Santapuram P, Suzman E., Augustine AE, Muhuzma A, **Cascio CJ**, Williams KL, Kirby AV, Keceli-Kaysili B, Woynaroski TG. (2024). Longitudinal Relations between Early Sensory Responsiveness and Later Communication in Infants with Autistic and Non-Autistic Siblings. *Journal of Autism and Developmental Disorders* 54(2): 594-606.
75. Bress KS, **Cascio CJ**. (2024). Sensorimotor regulations of facial expression—an untouched frontier. *Neuroscience and Biobehavioral Reviews* 162, 105684.
76. Failla MD, Watson-Grace A, Eyoh EE, Convery CA, **Cascio CJ**. (2024). Effects of an autism and intellectual disability diagnosis on pain assessment by medical professionals. *The Journal of Pain* 25(4): 39.
77. Isaacs D, Conley A, Key A, **Cascio C**, Walker H, Wallace M, Claassen D (2024). Sensory gating impairment in adults with chronic tic disorders. *Biological Psychiatry* 95(10):S4-5.
78. Zoltowski AR, Convery CA, Eyoh E, Plump E, Sullivan M, Arumalla ER, Quinde-Zlibut JM, Keceli-Kaysili B, Lewis B, **Cascio CJ**. (2024). Sensory processing and anxiety: Within and beyond the autism spectrum. *Curr Top Behav Neurosci*. 2024 Dec 14. doi: 10.1007/7854_2024_557. Epub ahead of print. PMID: 39671066.
79. Zoltowski AR, Failla MD, Wu F, Convery CA, Lewis B, Woodward ND, Rogers BP, **Cascio CJ**. Insular functional connectivity in autistic and non-autistic development. *Biol Psychol*. 2025 Apr 30:109043. doi: 10.1016/j.biopsycho.2025.109043. Epub ahead of print. PMID: 40316132.
80. McGugin RW, Newton AT, Lewis BJ, Convery CA, Eyoh EE, Gauthier I, **Cascio CJ**. Ultra-high resolution imaging of laminar thickness in face-selective cortex in autism. *Cogn Affect Behav Neurosci*. 2025 Apr 30. doi: 10.3758/s13415-025-01298-w. Epub ahead of print. PMID: 40304890.
81. Russo N, **Cascio CJ**, Baranek GT, Woynaroski TG, Williams ZJ, Green SA, Schaaf R, Autism Sensory Research Consortium. A cascading effects model of early sensory development in autism. *Psychol. Rev.* 2025 Jun 5. doi: 10.1037/rev0000558. Epub ahead of print. PMID: 40471805.

Books, book chapters, invited review articles

1. **Cascio, C**. Tactile dysfunction in neurodevelopmental disorders. In: *The Handbook of Touch*, Hertenstein, M. & Weiss, S. (eds.) New York: Springer. (2011).

2. **Cascio, C.** Psychiatric conditions and touch. In: *Affective Touch and the Neurophysiology of CT Afferents*, Olausson, H. (ed.) New York: Springer (2016).
3. **Cascio, C.**, Simon, DM, Bryant, LK, DiCarlo G, Wallace, MT. Neurodevelopmental and neuropsychiatric disorders affecting multisensory processes. In: *Multisensory Perception: From Laboratory to Clinic*, Sathian, K & Ramachandran, V.S. (eds.) Amsterdam: Elsevier (2019).
4. McKernan, E., **Cascio, C.**, Russo N. Sensory Overresponsivity as a Predictor of Amplitude Discrimination Performance in Youth with ASD. In: *Encyclopedia of Autism Spectrum Disorders, 2nd Edition*. Volkmar, F. (ed.) New York: Springer (2021).
5. Puts, NAJ, **Cascio, C.** Atypical development of tactile processing. In: *Somatosensory Research Methods*, Holmes, NP (ed.) Springer Nature (2023).

International invited presentations

1. **Cascio, C.** (2008). "Autism from the Bottom Up." Invited Educational Symposium on Sensory Integration Disorders. International Meeting for Autism Research, London, UK.
2. **Cascio, CJ.** (2011). "Imaging Children without Sedation." Invited Session on Pediatric Imaging. International Society of Magnetic Resonance in Medicine, Montreal, Canada.
3. **Cascio, CJ.** (2011). "Brain and Behavioral Measures of Affective Tactile Responses in Autism Spectrum Disorders." University of Gothenburg Department of Clinical Neurophysiology Symposium: From CTs to autism: perspectives on the role of touch in autism spectrum disorders, Gothenburg, Sweden.
1. **Cascio, CJ**, Foss-Feig, JH, Heacock, JL, Newsom, CR. (2012). Neural reward system response to food cues in autism spectrum disorders. Presented at the 11th Annual International Meeting for Autism Research, Toronto, Canada.
2. **Cascio, CJ***, Schauder, K, Loring, W. (2013). Superior interoception in children with autism spectrum disorders. (***Session organizer**. Session: "The Insula and Anterior Cingulate Cortex: Salience, Interoception, and Autism Symptoms"). Presented at the 12th Annual International Meeting for Autism Research, San Sebastian, Spain.
3. **Cascio, CJ**, Foss-Feig, JH, Heacock, J, Schauder, K. (2013). Delayed effect of visuotactile input on proprioception in the rubber hand illusion in autism spectrum disorders. Presented at the 14th Annual International Multisensory Research Forum, Jerusalem, Israel.
4. **Cascio, CJ.** (2015). "The Mind-Skin Connection: Affective touch and psychopathology." Plenary talk at the Inaugural Congress of The International Association for the Study of Affective Touch (IASAT), London, UK.

5. **Cascio, CJ.** (2020). "Neural Correlates of Interoceptive Focus Across Development." Virtual invited talk at University College of London, Wellcome Department of Imaging Neuroscience, Institute of Neurology.
6. **Cascio, CJ.** (2023). "Affect and Somatic Perception in Autism." Virtual invited talk at University of Reading, School of Psychology & Clinical Language Sciences.
7. **Cascio, CJ.** (2024). "Facial Expressivity in Autism: Uncovering Sensorimotor Mechanisms." Invited talk at the Redefining Emotional Expressions Workshop, Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Sicily.

National invited presentations

1. **Cascio, CJ.** (2011). "Affective Touch in ASD." Yale University Child Study Center, Child Neuroscience and Developmental Electrophysiology Laboratories Colloquium, New Haven, CT.
2. **Cascio, CJ,** Foss-Feig, JH, Heacock, J, Newsom, CR. (2012). Visual-tactile integration and influence on proprioception in autism spectrum disorders investigated with the rubber hand illusion. Nanosymposium on Multisensory Processing: Clinical Populations. Presented at the 42nd Annual Meeting of the Society for Neuroscience, New Orleans, LA.
3. **Cascio, CJ,** Lorenzi, J, Baranek, GT. (2013). Tactile defensiveness in children with ASD: Effect of stimulus material and bodily location. Presented at the 47th Annual Gatlinburg Conference for Research in Intellectual Disabilities, San Antonio.
4. **Cascio, CJ.** (2013). "fMRI Studies of Sensory and Repetitive Behaviors in Autism." Washington University Biomedical Magnetic Resonance Laboratory Conference, St. Louis, MO.
5. **Cascio, CJ.** (2013). "Affect and Somatic Perception in Autism Spectrum Disorders." Johns Hopkins University/Kennedy Krieger Institute Autism Seminar Series, Baltimore, MD.
6. **Cascio, CJ.** (2015). "Affect and Somatic Perception in Autism Spectrum Disorders." University of Texas, Southwestern, Center for Autism and Developmental Disorders, Dallas, TX.
7. **Cascio, CJ.** (2015). "Sensory Processing on a Proximal-Distal Continuum in ASD" New York University Child Study Center Grand Rounds, New York, NY.
8. Failla, MD, Moana-Filho, EJ, Essick, GK, Baranek, GT, Rogers, BP, **Cascio, CJ***. (2016). "Temporally distinct neural responses to pain in ASD: Evidence for altered cognitive pain modulations and relationships to self-injurious behaviors." (***Session discussant**. Session: "Perspectives on Pain in ASD: Perception, Physiology, and Behavior)." Presented at the 15th Annual Internal Meeting for Autism Research, Baltimore.

9. Woynaroski, TG, Damiano, CR, Simon, DM, Ibañez, LV, Murias, M, Newsom, CR, Wallace, MT, Stone, WL, **Cascio, CJ**. (2017). "Neurophysiological Substrates and Developmental Sequelae of Sensory Seeking in Infants at High Risk for Autism Spectrum Disorder." Session: "Altered Sensory Processing and Social Functioning in ASD: Examining Associations and Mechanisms through Multiple Methods and Populations." Presented at the 16th Annual International Meeting for Autism Research, San Francisco.
10. Failla, MD, Peters, BR, Karbasforoushan, H, Foss-Feig, JH, Schauder, KB, **Cascio, CJ**. (2017). "Intrinsular Connectivity and Somatosensory Responsiveness in Young Children with ASD." Presented at the 16th Annual International Meeting for Autism Research, San Francisco.
11. **Cascio, CJ**. "Sense and Sensibility: Sensory Differences in Autism from Clinical and Neuroscience Perspectives." (2017). Presented at the 21st Annual Advances in Autism Conference, Seaver Autism Center, New York.
12. **Cascio, CJ**. "Sense and Sensibility: Somatic Perception and Affect in Autism Spectrum Disorder." (2018). Presented at Waisman Center John D. Wiley Seminar Series, University of Wisconsin, Madison, Wisconsin.
13. **Cascio, CJ**. "Sense and Sensibility: Somatic Perception and Affect in Autism Spectrum Disorder." (2018). Presented at University of Southern California Rehabilitation Science, Mrs. T. H. Chan Division of Occupational Science and Occupational Therapy, Los Angeles, CA.
14. **Cascio, CJ**. "At the Intersection of Sensation, Perception and Affect in ASD." (2018). Presented at UCLA Center for Autism Research and Treatment Distinguished Lecture Series, Los Angeles, California.
15. **Cascio, CJ**. "Body Perception in Autism" (2021). Virtual presentation at University of Kansas, Kansas Center for Autism Research and Training.
16. **Cascio, CJ**. "Interoception and Bodily Awareness in Autism" (2022). Presented at the Munroe Meyer Institute for Genetics and Rehabilitation Grand Rounds, Omaha, NE.
17. **Cascio, CJ**. "Windows into Autism Through Heart, Brain, and Face" (2022). Presented at University of Southern California Rehabilitation Science, Mrs. T. H. Chan Division of Occupational Science and Occupational Therapy, Los Angeles, CA.
18. **Cascio, CJ**. "Neurosensory Factors Influencing Affect and Nonverbal Communication in Autism." (2023). Presented at University of Kansas Life Span Institute, Lawrence, KS.

Local invited lectures/presentations

1. **Cascio, CJ**. (2007). "Perception, Emotion, and Autism." Invited Seminar for Vanderbilt Center for Study of Religion and Culture
2. **Cascio, CJ**. (2008). "Tactile Processing in Autism Spectrum Disorders"

Vanderbilt Department of Psychology Neuroscience Seminar Series

3. **Cascio, C.J.** (2010). "Role of Neural Reward Systems in Restricted Interests in Children with Autism Spectrum Disorders" Vanderbilt Kennedy Center Science Day Junior Faculty Presentation
4. **Cascio, C.J.** (2011). "Affective Sensory Features in Autism Spectrum Disorders." Belmont University School of Sciences Colloquium
5. **Cascio, C.J.** (2012). "Neurobehavioral Investigation of Sensory-Affective Features in Autism Spectrum Disorders" Vanderbilt Department of Psychiatry Grand Rounds,
6. **Cascio, C.J.** (2014). "Affect and Somatic Perception in Autism Spectrum Disorders." Vanderbilt Kennedy Center Developmental Disabilities Grand Rounds
7. **Cascio, C.J.** (2014). "Somatic Perception in Autism Spectrum Disorders." Vanderbilt Translational Research Forum, Plenary Speaker
8. **Cascio, C.J.** (2014). "A Sense of Something Different: Neural Correlates of Sensory Response Patterns in Autism Spectrum Disorder." Vanderbilt Conte Center Symposium
9. **Cascio, C.J.** (2015). "What's my Motivation? Salience and Reward in Autism Spectrum Disorder." Vanderbilt Department of Psychology Clinical Brown Bag Series.
10. **Cascio, C.J.** (2018) "Sense and Sensibility: Sensory Differences in Autism From Clinical and Neuroscience Perspectives." Warren Wilson College Department of Psychology, Psi Chi Honor Society Invited Speaker.

Selected abstracts/posters at national/international meetings

1. **Cascio, C.**, Yu, G, Insel, TR, Wang, Z. (1998). Dopamine D2 receptor-mediated regulation of partner preferences in female prairie voles. Presented at the 28th annual meeting of the Society for Neuroscience, Los Angeles.
2. **Cascio, C.**, Sathian, K. (2000). Contribution of temporal information to perceived tactile roughness. Presented at the 30th annual meeting of the Society for Neuroscience, New Orleans.
3. **Cascio, C.**, Sathian, K. (2000). Temporal frequency affects perceived tactile roughness. Presented at the 7th annual meeting of the Cognitive Neuroscience Society, San Francisco.
4. **Cascio, C.**, Morris, M, Sathian, K. (2002). Impaired tactile perception in developmental dyslexia. Presented at the 32nd annual meeting of the Society for Neuroscience, Orlando.

5. **Cascio, C**, Morris, M, Sathian, K. (2002). Impaired tactile temporal processing in developmental dyslexia. Presented at the 9th annual meeting of the Cognitive Neuroscience Society, San Francisco.
6. **Cascio, C**, Stilla, R, Zhang, M, Mariola, E, Dancer, C, McGlone, F, Sathian, K. (2003). Discriminating vibrotactile stimulus intensity and duration: common and differential fMRI activations. Presented at the 33rd annual meeting of the Society for Neuroscience, New Orleans.
7. **Cascio, C**, Morris, M, Peretz, I, Sathian, K. (2003). Impaired music perception in developmental dyslexia. Presented at the 10th annual meeting of the Cognitive Neuroscience Society, New York.
8. Sathian, K, **Cascio, C**, Rice, D, Morris, M, Dancer, C, McGlone, F. (2003). Is tactile temporal processing impaired in developmental dyslexia? Presented at the 10th annual meeting of the Cognitive Neuroscience Society, New York.
9. **Cascio, C**, Jomier, M, Poe, M, Hazlett, HC, Gimpel, R, Gerig, G, Piven, J. (2005). Diffusion tensor imaging suggests early maturation of global white matter and corpus callosum in young children with autism. Presented at the 4th annual meeting of the International Society for Autism Research, Boston.
10. **Cascio, C**, McGlone, F, Folger, S, Tannan, V, Baranek, G, Essick, G. (2006). Tactile perception in adults with autism. Presented at the 5th annual meeting of the International Society for Autism Research, Montreal.
11. **Cascio, C**, Gribbin, M, Smith, R, Gouttard, S, Graves, M, Jomier, M, Hazlett, H, Gerig, G, Piven, J. (2007). Reduced white matter development revealed by decreased fractional anisotropy in young children with autism. Presented at the 2nd annual University of North Carolina Radiology/Biomedical Research Imaging Center Symposium, Chapel Hill.
12. **Cascio, C**, Sassooun, RE, Carroll-Sharpe, A, Guest, S, Baranek, GT, Essick, GK. (2008). Normal low-level audiovisual interaction in adults with autism: the double flash illusion. Presented at the 7th Annual International Meeting for Autism Research, London.
13. **Cascio, C**, Sassooun, RE, Carroll-Sharpe A, Essick, GK, Baranek, GT. (2008). Adults with autism integrate auditory and visual information over a wider temporal window than controls. Presented at the 63rd Annual Scientific Convention and Meeting of the Society of Biological Psychiatry, Washington, D.C.
14. Bolton, SM, Cosby, AA, Burnette, CP, Foss-Feig, JH, **Cascio, C**. (2009). Behavioral measure of reward for restricted interests in autism spectrum disorders. Presented at the 8th Annual International Meeting for Autism Research, Chicago.
15. **Cascio, C**, Cosby, AA, Burnette, CP, Foss-Feig, JH, Bolton, SM. (2009). Children with autism spectrum disorders and the rubber hand illusion: Evidence of decreased multisensory integration. Presented at the 8th Annual International Meeting for Autism Research, Chicago.

16. **Cascio, C**, Cosby, AA, Burnette, CP, Foss-Feig, JH, Bolton, S.M. (2009). Evidence for decreased multisensory integration in children with autism spectrum disorders from the rubber hand illusion. Presented at the 48th Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL.
17. Foss-Feig, JH, Dowell, LE, Burnette, CP, **Cascio, C**, Kadivar, H, Wallace, MT, Stone, WL. (2009). The McGurk effect in children with ASD: Examining unisensory and multisensory responses to speech cues. Presented at the 8th Annual International Meeting for Autism Research, Chicago.
18. Nebel, MB, **Cascio, C**, Moana, E, Baranek, G, Folgers, S, McGlone, F, Essick, G. (2009). Aberrant cortical processing of heat pain in autism: An fMRI study. Presented at the 15th Annual Meeting of the Organization for Human Brain Mapping, San Francisco.
19. Lorenzi, J, **Cascio, C**, Miller, H, Baranek, GT. (2009). Social touch in children with autism: Role of CT afferents. Presented at the 42nd Annual Gatlinburg Conference on Research and Theory in Intellectual Disabilities, New Orleans.
20. **Cascio, CJ**, Foss-Feig, JH, Bolton, SM, Cosby, AA, Pryweller, JR. (2010). Viewing images of restricted interests elicits BOLD response in neural reward system. Presented at the 9th Annual International Meeting for Autism Research, Philadelphia.
21. Damiano, C, Stone, W, Woodburn, K, Catania, E, Key, A, Murias, M, **Cascio, C**. (2011). Sensory seeking behaviors and orientation to social and non-social sensory stimuli in infant siblings of children with autism spectrum disorders. Presented at the 10th Annual International Meeting for Autism Research, San Diego.
22. Foss-Feig, JH, Heacock, JL, Jacobi, CR, **Cascio, CJ**. (2011). Association of tactile symptoms with core features of autism: Evidence from direct observation and parent report. Presented at the 10th Annual International Meeting for Autism Research, San Diego.
24. Foss-Feig, JH, Wilson, CN, Cockhren, J, Pryweller, JR, Necessary, CA, Burnette, CP, Stevenson, RA, Siemann, JK, **Cascio, CJ**. (2012). Impaired peripheral sound localization is associated with repetitive behaviors and sensory abnormalities in individuals with ASD. Presented at the 11th Annual International Meeting for Autism Research, Toronto.
25. Foss-Feig, JH, **Cascio, CJ**, Schauder, KB, Tadin, D. (2012). A substantial and unexpected enhancement of motion perception in children with autism spectrum disorders. Presented at the 13th Annual Meeting of the Visual Science Society, Naples, FL.
26. Bryant, LK, Schauder, KB, **Cascio, CJ**. (2014). Multidimensional Assessment of Empathy in Children with ASD. Presented at the 13th Annual International Meeting for Autism Research, Atlanta.
26. Schauder, KB, Mash, LE, **Cascio, CJ**. (2015). Interoceptive Ability and Body Awareness in Autism Spectrum Disorder. Presented at the 2015 Biennial Meeting of the Society for Research on Child Development, Philadelphia.

27. Peters, B, Schauder, KB, Karbasforoushan, H, **Cascio, C.J.** (2015). Intra-insular White Matter Connectivity and Sensory Profiles in Children with and without Autism Spectrum Disorder. Presented at the 14th Annual International Meeting for Autism Research, Salt Lake City.
28. Failla, MD, Moana-Filho, EJ, Essick, GK, **Cascio, C.J.** (2015). Aberrant processing of pain in autism spectrum disorder: fMRI evidence for immediate suppression of pain networks in ASD. Presented at the 45th Annual Meeting of the Society for Neuroscience, Chicago.
29. Bowman, S, Morgan, A, Damiano, C, Stone, WL, Ibanez, L, **Cascio, C.**, Woynaroski, T (2016). Sensory hyposensitivity predicts later difficulties with language understanding in infants at risk for autism spectrum disorder. Presented at the 49th Annual Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego.
30. **Cascio, C.J.**, Woynaroski, T, Baranek, GT, Wallace, MT. (2016). Sensory Dis-Integration: Theoretical foundations for and practical barriers to interdisciplinary collaboration among neuroscientists and clinical practitioners focused on sensory function in ASD. Presented at the 15th Annual International Meeting for Autism Research, Baltimore.
31. Failla, MD, Bryant, LK, Heflin, BH, Tracy JM, Rogers BP, **Cascio, C.J.** (2017). Neural correlates of interoception in autism spectrum disorder. Presented at the 2017 Annual Meeting of the Organization for Human Brain Mapping, Vancouver, Canada.
32. Heflin, BH, Tracy, JM, Mash, LE, Willer, H, Newsom, CR, **Cascio, C.J.** (2017). Increased tendency for proximal proprioceptive errors in limb bisection for individuals with autism spectrum disorder is not mitigated by tool use. Presented at the 18th Annual meeting of the International Forum for Multisensory Research, Nashville.
33. Failla, MD, **Cascio C.J.** (2017). Initially intact neural responses to pain in autism are diminished during sustained pain. Presented at the 36th Annual Meeting of the American Pain Society, Pittsburgh.
34. Zoltowski, A, Failla, MD, Moana-Filho EJ, Essick G, Baranek G, Rogers B, **Cascio, C.J.** (2018). Differences in temporal profile of brain responses by pleasantness of somatosensory stimulation in individuals with ASD. Presented at the Annual Meeting of the International Society for Autism Research, Rotterdam.
35. Failla, MD, Moana-Filho, EJ, Essick, GK, Baranek, GT, Rogers B, **Cascio, C.J.** (2018). Neural and behavioral responses to heat pain in adults with autism: relationships with verbal IQ and pain anxiety. Presented at the 17th Annual World Congress of Pain, Boston.
36. Failla, MD, Davis, S, Gerdes, MB, Williams, ZJ, Moore, DJ, **Cascio, C.J.** (2019). Increased heat pain sensitivity and pain-related anxiety in individuals with autism Presented at the American Pain Society 2019 Scientific Meeting, Milwaukee.
37. Failla, MD, Bryant, LK, Heflin, BH, Mash, L, Schauder, K, Davis, S, Weitlauf, A, Rogers, SP, **Cascio, C.J.** (2019). Developmental changes in neural responses to an interoception task:

Implications for autism symptoms. Presented at the 2019 Meeting of the International Society for Autism Research, Montreal.

38. Zoltowski, AR, Davis, S, Failla, M, Mash, L, Heflin, B, Schauder, K, **Cascio, CJ.** (2019). Effects of sensory distractors on interoceptive processing in ASD. Presented at the 2019 Meeting of the International Society for Autism Research, Montreal.

39. Zoltowski, AR, Failla, MD, Okitondo, C, Mash, LE, Davis, S, Heflin, B, Rogers B, **Cascio, CJ.** (2019). Subgroups of sensory connectivity profiles in autism and typical development. Presented at the Annual Meeting of the Society for Neuroscience, Chicago.

40. **Cascio, CJ,** McGugin, RW, Newton, AT, Eyoh, EE, Gauthier, I. (2021). Ultra-high-resolution imaging of the fusiform gyrus and correlations with face perception in autism. Presented virtually at the 27th Annual Meeting of the Organization for Human Brain Mapping (*virtual*).

41. Zoltowski, AR, Convery, CA, Eyoh, E, Quinde-Zlibut, JM, Keceli-Kaysili, B, Lewis, B, Cascio, CJ. (2022). Putting the self in context: A preliminary study of interoceptive-exteroceptive integration in autistic and neurotypical individuals. Presented at the Annual Meeting of the Society for Neuroscience, San Diego.

42. Quinde Zlibut J, Zoltowski A, Rogers BP, **Cascio CJ.** (2023). Exploring the Geometry Aware Resting State Neural Signature of Cognitive Empathy in Autism. Presented at the Annual Meeting of the International Society for Autism Research, Stockholm.

43. Bussu G, **Cascio CJ.** (2023). Individual Variability in Sensory Processing and Developmental Links to Autism: Interdisciplinary Findings from Infancy to Adulthood. Presented at the Annual Meeting of the International Society for Autism Research, Stockholm.

44. Zoltowski AR, Wu F, Plump E, McGugin RW, **Cascio CJ.** (2023). Emergence of the Mid-Fusiform Sulcus: Comparing Infants and Average and High Likelihood of Autism. Presented at the Annual Meeting of the Fetal Infant and Toddler Neuroimaging Group (Fit'ng), Santa Rosa.

45. Bress KS, **Cascio CJ.** (2023). Does Sensorimotor Integration Across the Upper-Lower and Right-Left Face Halves Occur at the Level of the Cortex? Presented at the Annual Meeting of the Society for Neuroscience, Washington, DC.

46. Zoltowski A, Failla MD, Wu F, Quinde Zlibut J, Bress K, Convery CA, Lewis B, Woodward ND, Rogers BP, **Cascio CJ.** (2024). Posterior Insular Connectivity in Autistic and Non-Autistic Development. Presented at the Annual Meeting of the International Society for Autism Research, Melbourne, Australia.

47. Convery CA, Zoltowski A, Lewis B, **Cascio CJ.** (2024). Comparing Interoception and General Sensory Differences in Autistic and Non-Autistic Individuals. Presented at the Annual Meeting of the International Society for Autism Research, Melbourne, Australia.

