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Curriculum Vitae

Moriah E. Thomason, PhD

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Current Appointments and Leadership Positions

Faculty Appointments

03/2019 - Present	Faculty, Neuroscience Institute, New York University School of Medicine, NYU Langone Health, New York, NY, USA
07/2018 - Present	Barakett Associate Professor, Department of Child and Adolescent Psychiatry, New York University School of Medicine, NYU Langone Health, New York, New York
07/2018 - Present	Associate Professor, Department of Population Health, New York University School of Medicine, NYU Langone Health, New York, New York

Hospital Appointments

Not applicable

Administrative Leadership Positions

07/2018	Director, Program in Pediatric Neuroimaging, Department of Child and Adolescent Psychiatry, New York University School of Medicine, NYU Langone Health, New York, New York

Education and Training

Education

05/1998	B.A.	Psychology	University of California, Berkeley	Berkeley, California
06/2006	Ph.D.	Neuroscience	Stanford University, School of Medicine	Stanford, California
			Massachusetts Institute of Technology, McGovern Institute for Brain Research	Boston, Massachusetts

Postdoctoral Training

06/2006-03/2011	NIMH NRSA Postdoctoral Training Fellowship, Departments of Psychology and Radiology, Stanford University, Stanford, California
06/2009-03/2011	Visiting Scholar, Laboratory of NeuroImaging (LONI), Department of Neurology, David Geffen School of Medicine, University of California, Los Angeles, Los Angeles, California

Previous Appointments and Leadership Positions

Faculty Academic Appointments

06/2016 - 06/2018	Visiting Faculty, Department of Psychology, University of California, Berkeley, California
03/2013 - 06/2018	Faculty Associate, Institute for Social Research, Survey Research Center, University of Michigan, Ann Arbor, Michigan
03/2011 - 06/2018	Assistant Professor, Merrill Palmer Skillman Institute for Child and Family Development, Wayne State University, Detroit, Michigan
03/2011 - 06/2018	Assistant Professor, Department of Pediatrics, Wayne State University School of Medicine, Detroit, Michigan
03/2011 - 06/2018	Assistant Professor, Translational Neuroscience Program, Wayne State University School of Medicine, Detroit, Michigan
03/2011 - 06/2018	Adjunct Assistant Professor, Department of Psychology, Wayne State University, Detroit, Michigan

Hospital Appointments

03/2011- 07/2018	Section Head, Unit on Perinatal Neural Connectivity, Perinatology Research Branch, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health, Detroit, Michigan

Awards, Honors, and Memberships in Honorary Societies

10/2019	Bill and Melinda Gates Foundation Grand Challenges Meeting 2019, Addis Ababa, Ethiopia, People's Choice Poster Award in category "Most Likely to Have Greatest Impact"	Award Recipient
07/2019	Presidential Early Career Award for Scientists and Engineers (PECASE), the highest honor bestowed by the United States Government to outstanding scientists and engineers who are beginning their independent research careers and who show exceptional promise for leadership in science and technology	Award Recipient
06/2016	Psi Chi National Psychology Honor Society Outstanding Mentor Award	Nomination by Clara Zundel
07/2015	President's Research Enhancement Program Award, Wayne State University	Award in Integrative Biosciences
11/2014	Brain Research through Advancing Innovative Neurotechnologies, Wayne State University	President's Research Enhancement Program Award
05/2014	Psi Chi National Psychology Honor Society Outstanding Mentor Award	Nomination by Nisha Kuruvadi
06/2007	13th Annual Meeting of the Organization for Human Brain Mapping, Chicago, Illinois	Travel Award
05/2005	James W. Lyons Award for Service, Stanford University, Stanford, California	University Service Award for efforts in Graduate Education
05/2004	12th Annual Meeting of the International Society for Magnetic Resonance in Medicine, Kyoto, Japan	Travel Award
06/2003	Summer Institute in Cognitive Neuroscience; material aggregated for the 5th edition of The Cognitive Neurosciences (MIT Press), Squaw Valley, California	Predoctoral Fellowship Award
06/2002	Summer Institute in Cognitive Neuroscience, Dartmouth, New Hampshire	Postgraduate Fellowship Award
08/1997	University of California at Berkeley, Psychology	High Honors, distinction for baccalaureate thesis
02/1994	Mead Clark and Senator Herbert W. Slater Scholarship	Academic Scholarship
02/1994	Will and Ruth Craig Scholarship	Academic Scholarship

Research Activity

Research Activities

I direct a nationally-recognized, intra- and extramurally-funded developmental neuroscience research lab that is focused on developmental disease origins, and environmental programming of early human brain development. Much of my past

research has focused on the effects of stress and trauma on child emotion regulation and neuroendocrine system development. More recently, I have become one of the only researchers in the world tackling the difficult problem of how functional brain systems become "wired up" across intrauterine life. Using *fetal* fMRI, it is possible to examine how programming events (e.g., stress, environmental exposures) during the perinatal period influence fetal brain functional system architecture, and in turn, how altered development of fetal brain systems relates to child neurobehavioral outcomes. My research in these areas has been recognized in editorials in *Science*, *Nature Medicine* and *National Geographic*.

Grant History

Current

Role: Multi-Principal Investigator (MPI), R34 DA050287 (Thomason, Bergink)
Title: "4:4 Investigation of opioid exposure and neurodevelopment (iOPEN)". The goal of this project is to understand the complex associations between opioid use in pregnancy and child neurodevelopment by developing effective recruitment and testing protocols for high-risk populations, as well as higher quality data acquisition and processing of fetal MRI. This will set the foundation for later identification of protective and resiliency factors that may inform early interventions for pregnant women and young children experiencing a range of adversities.
Source: NIH/NIDA
09/14/19 - 03/13/21
Total direct costs: $358,988

Role: Principal Investigator, R01 MH110793
Title: "In utero assessment of the human neural connectome and later child behavior". The goal of this project is to characterize the emergence of whole brain functional circuitry beginning in fetal life, and to evaluate how atypical variations in prenatal brain connectivity may predispose children to delayed attainment of key developmental milestones that prognosticate life-long health.
Source: NIH/NIMH (BRAINS RFA: RFA-MH-15-600)
07/15/16 - 07/14/22
Total direct costs: $1,625,000

Role: Multi-Principal Investigator (MPI), R01 MH122447 (Thomason, Trentacosta)
Title: "Examining Prenatal Inflammation and Neurodevelopment in a Longitudinal Fetal-to-Age 9 Imaging Study". The goal of this project is to evaluate associations between fetal systemic inflammation, fetal brain functional connectivity, and child neurobehavioral development using high temporal resolution sampling of five inflammatory markers measured in naturally shed deciduous "baby" teeth. Inflammation is measured across post conception week 15 through postnatal week 12, enabling isolation of sensitive periods and interactive effects.
Source: NIH/NIMH
05/15/2020 - 05/14/2025
Total direct costs: $3,322,631

Pending

Role: Multi-Principal Investigator (MPI), R01 ES032294 (Thomason, Trentacosta, Austin)
Title: "From the womb to the classroom: Linking perinatal micronutrients and toxicants to neural and behavioral development in utero and in childhood". The central objective of this proposal is to examine development of human neural networks *in utero*, and to link variation in prenatal brain development to prenatal toxicant and nutrient levels (measured in the fetus) and to child outcomes at age 5.
07/01/2020 - 06/30/2025
Total direct costs: $2,569,113

Past

Role: Co-Investigator, R01 HD075806
PI: Keating
Title: "Neurodevelopmental Pathways in Adolescent Health Risk Behavior". The goal of this project is to provide information about developmental mechanisms contributing to risk behaviors with an eye on improving and developing new

preventive interventions to reduce the population health burden arising from behavioral misadventure in the adolescent and young adult years.
Source: NIH/NIMH
07/01/14 - 06/30/19
Total direct costs: $2,723,020

Role: Section Head, HHSN 275201300006C
Branch Chief: Romero
Unit: "Section on Perinatal Neural Connectivity". This is an investigational unit within the Perinatology Research Branch, which conducts clinical and basic research in perinatal medicine and related disciplines with the goal of developing novel diagnostic, therapeutic, and preventive strategies to reduce adverse pregnancy outcome, infant mortality, and handicap. The research program of the Unit on Perinatal Neural Connectivity is centered in understanding neural network organization in the human fetus, with an eye on developing mechanistic understanding of how experiential or biological factors interfere with healthy human development.
Source: NIH/NICHD (Intramural)
03/01/11 - 06/30/18
Total direct costs: $103,505 - $369,909, annual

Role: Multi-Principal Investigator (MPI), R21 ES026022
Title: "Consequences of prenatal toxicant exposure on fetal brain function". The goal of this project is to examine associations between prenatal exposure to three common toxicants (tobacco smoke, lead, and mercury) and resting-state fMRI of the human fetus at 35-weeks gestation, and the bearing of these on the emergence of child behavior problems at 32 months postnatal age.
Source: NIH/NIEHS
07/05/15 - 07/14/18
Total direct costs: $249,177

Role: Principal Investigator
Title: "Prenatal obesity and child physical and biobehavioral development". Goals of this project are to examine the association between maternal prenatal adiposity and human fetal brain function, and to examine maternal prenatal adiposity as it relates to child hot/cold self-regulation at age 4, with fetal brain connectivity as a possible mediator of that relationship. 2 years of postdoctoral fellowship support.
Source: Researchers of Biobehavioral Health in Urban Settings Today (RoBUST) Fellowship program through the of the Vice President for Research at Wayne State University
02/01/16 - 01/31/18
Total direct costs: $113,954

Role: Co-Principal Investigator
Title: "The effects of neonatal persistent organic pollutant (POP) exposure in the mother in her child's brain development two decades later". The goal of this project is to establish how persistent organic pollutants (POPs) found in many household items impact human fetal brain development. Multi-generational epigenetic analyses will examine the heritable impact of prenatal POP exposure, and associate these effects with functional brain development *in utero*.
Source: Wayne State University President's Integrative Biosciences Research Award 07/01/15 - 01/31/17
Total direct costs: $100,000

Role: Co-Principal Investigator
Title: "Maternal lead exposure alters offspring brain and epigenetics two decades later". The goal of this project is to examine two pathways by which maternal exposure to toxicants may be transmitted to her developing offspring; in this proposal we examine both neural and epigenetic fetal programming, and their relevance to early neurocognitive outcomes.
Source: NIH/NIEHS, P30 ES020957 Center for Urban Responses to Environmental Stressors (CURES) pilot project award (PI: Runge-Morris)
06/05/14 - 03/31/17
Total direct costs: $80,000

Role: Consultant, R01 EB017133
PI: Studholme
Title: "Motion robust mapping of human brain functional connectivity changes *in utero*". This project will enable development of new signal and geometry correction methods specifically for fetal fMRI that combine novel acquisition

techniques with post-processing algorithms. These methods will be developed and validated together with complementary pattern analysis techniques specifically aimed at motion-scattered data. Tools will be employed to build the first combined 4D structure-function map of brain development in-utero. The temporal and spatial relationship between structural changes and the development of resting state patterns of brain activity will be examined.
Source: NIH/NIBIB
07/01/13 - 05/31/17

Role: Principal Investigator
Title: "Identification of Brain Biomarkers for Autism and Other Developmental Disorders *in utero*". This project examines fetal brain development and neural connectivity patterns in siblings of children with Autism Spectrum Disorder (ASD) to identify early markers of ASD development in human fetuses. 2.5 years of postdoctoral fellowship support.
Source: Wayne State University Office of the Vice President for Research and the Merrill Palmer Skillman Institute for Child and Family Development
03/01/14 - 08/31/16
Total direct costs: $155,000

Role: Principal Investigator
Title: "New Technology for Mapping Fetal Brain Functional Neurocircuits". The goal of this project is to establish functional connectivity MRI (fcMRI) as a new and vital tool for the examination of fetal brain functional system development. Novel data acquisition and analysis schemes will be designed, implemented, and evaluated, and normative fetal fcMRI data and processing tools generated through this award will be rapidly and prospectively shared with the scientific community.
Source: Brain Research through Advancing Innovative Neurotechnologies, Wayne State University President's BRAIN Research Enhancement Program
06/01/14 - 12/01/15
Total direct costs: $85,000

Role: Principal Investigator
Title: "Neural and Epigenetic Bases of PTSD in Youth". The goal of this project is to use neural, epigenetic, and immunological studies to examine environmental programming of gene expression in children in Detroit, Michigan, who have suffered adverse early life events (e.g., physical or sexual abuse, emotional neglect, domestic violence, removal from home), some of whom have gone on to develop post-traumatic stress disorder (PTSD).
Source: Brain and Behavior Research Foundation Young Investigator Award
01/01/13 - 12/31/14
Total direct costs: $60,000

Role: Principal Investigator
Title: "Fetal Neuroimaging: Multi-modal Pathways to Early Identification of Brain Injury". The goal of this project is to apply MRI to examine brain structural and functional connectivity in fetuses at high risk for being born prematurely, test the effect of infection/inflammation in placental membranes on perinatal brain structure, and examine the effect of infection/inflammation in placental membranes on perinatal brain function.
Source: W.K. Kellogg Foundation Perinatology Virtual Discovery Grant
09/01/12 - 06/01/14
Total direct costs: $121,463

Role: Principal Investigator
Title: "Perinatal Imaging of Neural Connectivity (PINC) Project: Functional MRI of the Human Fetus and Developmental Outcomes in Infancy". This project utilizes resting-state functional magnetic resonance imaging (fMRI) to quantify functional connectivity across fetal life in a large number of uncomplicated pregnancies, then tests specific hypotheses about relationships between neural functional connectivity and neurobehavioral outcomes in infancy, bridging brain and behavior at the earliest stages of human development. Stipend, tuition, and medical coverage are provided for the 1-year term of the award to a graduate student.
Source: Wayne State University Office of the Vice President for Research Graduate Research Assistantship Support
09/17/12 - 09/16/13
Total direct costs: $40,000

Role: Principal Investigator
Title: Perinatal Imaging of Neural Connectivity (PINC): Stress and Human Development

The goal of this project is to assess the role of maternal mental health and stress in modulating the relationship between fetal neural connectivity and neurobehavioral outcome measures during the first 15 months post birth.
Source: Wayne State University Office of the Vice President Research Award
05/01/12 - 04/30/13
Total direct costs: $9,986

Role: Principal Investigator, F32 MH081583
Title: "Developmental Effects of 5-HTT Genotype on Stress Reactivity and Brain Function". The goal of this project is to examine the effect of the serotonin transporter gene 5-HTTLPR polymorphism on behavioral and neural response patterns of negative attentional bias in children and adolescents.
Source: NIH/NIMH National Research Service Award
04/03/08 - 02/28/11
Total direct costs: $149,034

Role: Principal Investigator
Title: "5-HTT Genotype on Stress Reactivity and Brain Function in Children". The goal of this project is to examine the effect of the serotonin transporter gene 5-HTTLPR polymorphism on neuroendocrine responses to laboratory stressors and on neural and behavioral response patterns in children and adolescents.
Source: Brain and Behavior Research Foundation Young Investigator Award
07/01/08 - 06/30/10
Total direct costs: $60,000

Role: Principal Investigator, F31 MH071996
Title: "Brain Basis of Human Working Memory Development". The goal of this project is to examine neural and behavioral development of verbal and spatial working memory in children and adolescents using functional and structural magnetic resonance imaging and parametric modulation of working memory load.
Source: NIH/NIMH National Research Service Award
09/22/04 - 09/21/06
Total direct costs: $83,887

Role: Principal Investigator
Title: "Children's Perspective on the Experience of Participating in fMRI Research Studies". This project collects survey data from children, adolescents and adults after participation in a research MRI study to quantitatively address putative age variation in physical and emotional aspects of participation.
Source: Stanford University Bio-X Fellowship: Ethical Dimensions of Neuroscience Research
09/01/03 - 08/31/04
Total direct costs: $1,100

Role: Multi-Principal Investigator (MPI)
Title: "Prenatal temporal dynamics in heavy metal exposure & longitudinal fetal and child neurodevelopment". The project will examine mechanisms through which prenatal toxicant exposure alters fetal and child neurodevelopment and how psychosocial stressors might exacerbate these associations.
Source: NIH/NIEHS, P30 ES020957 Center for Urban Responses to Environmental Stressors (CURES) pilot project award (PI: Runge-Morris)
11/01/17 - 03/31/19
Total direct costs: $65,000

Role: Primary Mentor, 129368-PF-16-057-01-PCSM
Title: "Neurobehavioral correlates of learning and memory in child cancer survivors"
American Cancer Society (ACS) and Michigan Cancer Research Fund (MCRF) Postdoctoral Fellowship (Trainee: Marusak)
07/01/2016 – 06/30/2019
Total direct costs: $163,500

Clinical Activity

N/A

Education Activity

I contribute to education in the classroom, in the laboratory, and at the policy level. I became involved in academic programming and policy early in my career when I became involved in student government, helped to launch several large-scale university initiatives, and was invited by Stanford University President, John Hennessy, PhD to serve as the only student member of his commission on graduate education (commission report: https://web.stanford.edu/ dept/president/pdf/ CGE2005.pdf). Since that time, I have closely mentored more than 100 students/trainees, have been honored with multiple mentorship and service awards (e.g., Psi Chi, Lyons Award), and have developed or co-developed several courses including Developmental Neuropsychology, Functional Magnetic Resonance Imaging Methods, Cognitive Neuroscience, and Advanced Manuscript Preparation. Most recently, I have become deeply involved in programs that provide additional support for students that have endured adversity. My commitment to education is grounded in belief that my modest contributions help pave the basis for those that follow, and that in aggregate steps, these efforts promote human potential.

Teaching Activities

2014-2016 Wayne State University (2 years)
Lecturer, PYC 7140
Fundamentals of Neuroimaging
Graduate School Curriculum
540 E. Canfield St, Detroit, Annual

Fall 2014 Wayne State University
Course Instructor, PSY 8440
Developmental Neuropsychology
Graduate School Curriculum
5057 Woodward Ave, Detroit, Weekly

Winter 2013 Wayne State University
Course Instructor, PSY 6995
Advanced Manuscript Preparation
Graduate School Curriculum
5057 Woodward Ave, Detroit, Weekly

Winter 2013 Wayne State University
Lecturer, PYC 7890
Translational Neuroscience Research Seminar
Graduate School Curriculum
540 E. Canfield St, Detroit, Annual

Winter 2012 Wayne State University
Lecturer, PSY 7620
Social Neuroscience: Research and Theory
Graduate School Curriculum
5057 Woodward Ave, Detroit, Annual

Fall 2011 Wayne State University
Lecturer, PSY 2400
Introduction to Human Development
Undergraduate Curriculum
5057 Woodward Ave, Detroit, Annual

2012-2013 Stanford University (2 years)
Co-Instructor, RAD 227
Functional Magnetic Resonance Imaging Meth
Graduate School Curriculum
1201 Welch Road, Stanford, Weekly

Curriculum development and other innovative educational activities

08/2013- 08/2014	Development of new conference	Organization of Society for Research on Child Development (SRCD) Special Topics Meeting: Relevance of Population Neuroscience for Understanding Human Development. Developed with Daniel Keating and the Population, Neurodevelopment and Genetics working group at University of Michigan. This was a 2 day interdisciplinary, international meeting attended by 6 invited speakers and ~60 participants that addressed three primary topic areas: (1) representative versus convenience sampling in developmental neuroimaging, and sophisticated sampling techniques, (2) data driven versus hypotheses driven analytic approaches, and (3) multi-modal, multi-level data integration and quantitative methods for achieving this goal. The product of this meeting was a set of procedures that bridge disciplines, and a continuing interdisciplinary effort to further integrate developmental neuroscience and population sciences that culminated in publication of "Neuroscience meets population science: What is a representative brain?" In Proceedings of the National Academy of Science, by Falk et al.
Fall 2014	Course content development,	Identified content and course learning material for Developmental Neuropsychology (PSY 8440); developed course syllabus and

	syllabus, exams, instruction material	PowerPoint presentations to relay course content; defined grading structure; developed exams. This was a graduate level course that explored processes that generate, shape, and modify the nervous system, from the earliest stages of embryogenesis to the final years of life. Course materials were drawn from multi-disciplinary and multi-model (e.g., human, animal) scientific literature. Didactic and interactive approaches were used to explore normative development and developmental psychopathology.
Winter 2013	Course content development, syllabus, exams, instruction material	Identified content and course learning material for Advanced Manuscript Preparation (PSY 6995); developed course syllabus and PowerPoint presentations to relay course content; defined grading structure; developed exams. This was a mixed-learner level course that taught students about the process of generating and submitting a peer-reviewed research manuscript. This course addressed foundational skills, such as scientific writing, data visualization, integration of feedback from collaborators and reviewers, responding to reviews, journal selection.
Spring 2009	Workshop content development, slides, handouts	Developed workshop: "Using E-Prime for Coding and Analyzing Behavioral Data"; created workshop materials, summary and outcomes, and achievement-based objectives/learning objectives; generated PowerPoint presentations to relay workshop content; evaluated outcomes using workshop assessment forms.
Spring 2009	Workshop content development, slides, handouts	Developed workshop: "Grant Writing"; created workshop materials, summary and outcomes, and achievement-based objectives/learning objectives; generated PowerPoint presentations to relay workshop content; evaluated outcomes using workshop assessment forms
Winter 2006-07	Course content development, instruction material, slides	Co-developed course syllabus, PowerPoint presentations to relay course content; final project materials: project description, details, timelines, topics; and final project evaluation metrics for Functional Magnetic Resonance Imaging Methods (RAD 227).
Spring 2004	Course content development; handouts, slides	Created new course materials; neuroscience lab handouts, worksheets, introduction to brain organization; designed grant proposals assignment, funding guides; generated PowerPoint presentations to relay final project structure/objectives for Cognitive Neuroscience (PSY 202).

Invited Talks

Invited Talks: Internal

May 2019	NYU Langone Health, Health *And…* Child Opportunity Conference, "Effects of challenging prenatal environments on human fetal brain network development"
May 2019	NYU Langone Health, Carlyle Global Partners Summit, "Emerging technology for mapping the human fetal brain"
March 2019	NYU Langone Spotlight on Faculty; one of nine faculty featured by the office of the Senior Vice President, Vice Dean for Science, Invited Faculty Spotlight Speaker Series
November 2018	NYU Langone Health, Department of Pediatrics, Exposome and the Brain Seminar, "Influence of prenatal chemical exposures on human fetal brain network development"
October 2018	New York University, Department of Population Health, "Emergent functional connectomics in human fetal brain networks", Invited Speaker, Hosts: Drs. Clancy Blair and C. Cybele Raver
October 2018	NYU Langone Health, Department of Child and Adolescent Psychiatry Grand Rounds, "Fetal brain network connectivity reflects environmental strain and also predicts individual differences in future human health"

September 2018	Neuroscience Institute at NYU Langone Health Education and Outreach Program Datablitz, "Human developmental neuroscience beginning in the womb"
August 2018	NYU Langone Health, Radiology Research Forum and Sackler Seminars in Biomedical Imaging Research Seminar, "Emergent functional connectomics in human fetal brain networks"

Invited Talks: Keynotes, Plenaries, and Lectureships

October 2018	Michigan Department of Health and Human Services, Newborn Screening Conference - Harper Hospital, "Examination of lead exposure in the human fetal brain", Keynote Speaker
June 2017	Summer Program in Neonatal Brain Development
March 2015	University of Pittsburg School of Medicine, Staunton Professor of Psychiatry and Pediatrics Inaugural Lectureship, "fMRI study of functional connectivity in the human fetal brain"
January 2015	Cincinnati Children's Hospital Medical Center Department of Radiology, Visiting Professor Lectureship, "Functional Circuits of the Human Fetal Brain Revealed by fMRI"
February 2014	Wayne State University Lifespan Alliance Research Day, "Functional neurocircuitry of the human fetus", Keynote Speaker

Invited Talks: International

August 2018	Copenhagen University Department of Psychology Center for Early Intervention and Family Studies, "How the brain's wiring makes us who we are even before birth", Copenhagen, Denmark
June 2017	Summer Program in Neonatal Brain Development, Utrecht, The Netherlands, Host Dr. Manon Benders, Keynote Speaker
July 2016	Utrecht University Department of Developmental Psychology Colloquium, "Functional Connectivity of the Fetal Brain", Utrecht, The Netherlands
July 2016	VU University Medical Center Amsterdam Clinical Neurophysiology Colloquium Series, Department of Clinical Neurophysiology, "Functional Connectivity of the Fetal Brain", Amsterdam, The Netherlands
November 2015	University of Tokyo Department of Mechano-Informatics Laboratory, Dr. Yasuo Kuniyoshi, "Functional networks at the beginning of life", Tokyo, Japan
April 2012	Rotman Research Institute of Baycrest Research Rounds, "Detection of functional neural networks in the human fetal brain", Toronto, Canada

Invited Talks: External Other

April 2020	Child Mind Institute Cross Collaborative Seminar, "Human fetal MRI: past, present, future", (Virtual Meeting)
December 2019	Department of Psychiatry Grand Rounds, Icahn School of Medicine at Mount Sinai, "Effects of challenging prenatal environments on human fetal brain network development", New York, New York
January 2019	University of Rochester Medical Center, Del Monte Institute for Neuroscience, "Effects of challenging prenatal environments on human fetal brain network development"
January 2019	The Nathan Kline Institute for Psychiatric Research Seminar, "Prenatal influences over human fetal functional brain network development", Orangeburg, New York
October 2018	National Institute on Drug Abuse (NIDA) Director's Seminar, NIH/DHHS, Neuroscience Center, National Institutes of Health Campus, "Emergent functional connectomics in human fetal brain networks", Rockland, Maryland
September 2018	Columbia University, Sackler Institute for Developmental Psychobiology, Psychiatry, "Influence of maternal physical and mental health on human fetal functional brain system development"
March 2018	University of Minnesota Center for Neurobehavioral Development (CNBD), "Technological and computational innovation in typical and atypical neurodevelopment" Series
Dec 2017	Princeton University, Department of Psychology Cognitive Research Seminar, "The origin of disorder: Can we predict infant behavior from brain development in the womb?"
June 2017	Emory University School of Medicine, Department of Gynecology and Obstetrics Grand Rounds, "Exploring the human fetal brain connectome in health and disease"
January 2017	Columbia University Department of Psychology Monday Seminar Series "Intrauterine examination of human fetal brain functional connectivity"

January 2017	Mount Sinai Icahn School of Medicine Department of Environmental Medicine and Public Health Seminar, "Intrauterine examination of human fetal functional neuroconnectivity"
December 2016	Stanford University Department of Psychology Vision Lunch Seminar, "Intrauterine examination of human fetal brain functional connectivity"
September 2016	University of California at Berkeley, Department of Psychology Cognitive Neuroscience Colloquium, "Complications during pregnancy can compromise the establishment of neural networks *in utero*"
July 2016	University of California at San Diego Autism Center of Excellence, "Complications during pregnancy can compromise the establishment of neural networks *in utero*"
November 2015	Children's Hospital Michigan Foundation MedTalk, "Understanding the developing brain: A novel pathway for improving life after pediatric cancer therapy"
October 2015	University of Michigan, Clinical Psychology Brown Bag Research Series, "*In utero* quantification of human fetal brain functional connectivity"
March 2015	Wayne State University Merrill Palmer Skillman Institute Board of Visitors Meeting, "Chemical exposures *in utero*, and birth and early developmental outcomes"
January 2015	Cincinnati Children's Hospital Medical Center Clinical Neuroradiology Research Seminar, "Fetal fMRI and Risk from Premature Birth"
September 2014	Yale University Magnetic Resonance Research Center fMRI Speaker Series, "Emerging functional neurocircuitry in the human fetus"
February 2014	Wayne State University Clinical Psychology Research Seminar Series, "The effect of trauma on contextual fear conditioning in childhood"
February 2014	Wayne State University School of Medicine, Psychiatry and Neuroscience Interest Group, "Strategies for combining medical and research training"
October 2013	University of Michigan, Social Psychology Colloquium Series, "Brain function and connectivity in youth with emotional psychopathology and history of trauma"
September 2013	Arizona State University, School of Computing, Informatics, and Decision Systems Engineering, "Fetal brain functional network dynamics revealed by functional connectivity MRI"
August 2013	Stanford University, Radiological Sciences Laboratory Colloquium, "In utero fMRI quantification of human fetal brain functional connectivity"
July 2013	University of California at Irvine Medical Center Department of Radiology Grand Rounds, "fMRI quantification of functional neural networks in human fetal life"
July 2013	University of California at Los Angeles Brain Mapping Center Colloquium Series, "Functional neural correlates of childhood trauma and HPA function beginning with an understanding of neural connectivity in human fetal life"
June 2013	Perinatology Research Branch NICHD/NIH/DHHS Developmental Neuroscience Colloquium Series, "Fetal brain functional connectivity"
April 2013	University of Michigan Trauma, Stress and Anxiety Research Group (TSARG) Seminar Series Department of Psychiatry,"Segmentation and reintegration of affect dysregulation in youth"
April 2013	University of Michigan Department of Psychiatry PANLab, "Functional network analysis in the human fetal brain"
March 2013	Wayne State University School of Medicine; Brain Research and Imaging Neuroscience Division (BRAIN) Seminar Series Department of Psychiatry and Behavioral Neurosciences, "Functional architecture of the developing brain"
March 2013	University of Michigan, Social Environment and Neurodevelopment (SEND) Program Survey Research Center at the Institute for Social Research, "The emotional child"
February 2013	MFM Fellows Perinatology Research Branch Lecture Series, NICHD/NIH/DHHS, "PINC: Perinatal Imaging of Neural Connectivity"
February 2013	Cornell University Department of Human Development, "Individual variation in functional brain networks in fetuses and children", Ithaca, New York
February 2013	University of Pennsylvania, Seminar Series: Multivariate Analyses of the Brain, "Neural functional connectivity in stressed youth and in the developing human fetus"
September 2012	University of Vermont Department of Psychiatry Grand Rounds, "The perinatal imaging of neural connectivity (PINC) project: Functional MRI of the human fetus"
March 2012	University of Michigan Center for Human Growth and Development Seminar Series on Child Brain Development, "Dynamics of human functional brain development in vivo *in utero*"
March 2012	Stanford University, Stanford Center for Cognitive and Neurobiological Imaging, "Dynamics of human functional brain development in vivo *in utero*"
February 2012	Wayne State University School of Medicine, Department of Psychiatry Grand Rounds, "The

	establishment of brain networks in the context of typical and atypical emotional development of children"
February 2012	University of Michigan, Developmental Brown Bag, Department of Psychology, "Individual differences in state anxiety and stress reactivity alter functional brain connectivity in youth"
November 2011	Wayne State University School of Medicine, Pediatric Hematology Oncology Fellowship Lecture Series, "Brain maturation in the context of typical development and in the presence of radiation and chemotherapy"
October 2011	Margaret M. and Paul B. Baltes Foundation Meeting on 'Life-span plasticity of brain and behavior: A cognitive neuroscience perspective, "Spatial and temporal plasticity of human brain networks in development", Detroit, Michigan
October 2011	Perinatology Research Branch, NICHD/NIH, Fetal Programming of the Central Nervous System and its Impact on Mental Health Conference, "Neural networks in development"
September 2011	Wayne State University, Cognitive, Developmental and Social Psychology Brown Bag, "Mapping the development of human brain networks in children using emergent MRI methods"
September 2011	Wayne State University, Steering Committee of the Merrill Palmer Skillman Institute, "The emotional brain of youth"
August 2011	Wayne State University School of Medicine, Department of Pediatrics Grand Rounds, "Advances in pediatric MRI: Windows into the development of large-scale brain networks."
September 2011	Wayne State University, Board of Visitors of the Merrill Palmer Skillman Institute, "The developing brain"
January 2011	Wayne State University School of Medicine, Translational Neuroscience Program Seminar Series, "Detecting and examining large-scale human brain networks in children"
June 2011	University of Colorado, Denver, Department of Psychology Special Seminar, "New approaches to fMRI analysis of large-scale human brain networks"
October 2010	University of California, San Francisco, Department of Radiology and Biomedical Imaging Colloquium, "New approaches to understanding cognitive development in children and adolescents ages 9-15: Large scale brain networks and maturation"
September 2010	University of California, Los Angeles, Laboratory of NeuroImaging (LONI) Monthly Speaker Series, Department of Neurology, David Geffen School of Medicine, "Resting-state fMRI for mapping neural network development"
October 2010	Vanderbilt University, Peabody College of Education and Human Development and Department of Psychology, "Maturation sculpts spontaneous brain activity measured in children and adolescents using resting-state fMRI"
January 2010	University of California, Los Angeles, Human Brain Mapping Seminar Series; Ahmanson-Lovelace Brain Mapping Center, "Cross-modal neuroimaging investigations reveal genetic influences on typical brain development"

Mentoring and Advising *(*co-authored publications)*

Predoctoral students supervised and/or mentored

09/2019 – Present	Autumn Austin, Masters Student in General Psychology, Graduate School of Arts and Science, New York University
06/2019 – Present	Maya Metser, CAMS Summer Internship Program, Department of Child and Adolescent Psychiatry, New York University School of Medicine
06/2019 – Present	Katie Kim, CAMS Summer Internship Program, Department of Child and Adolescent Psychiatry, New York University School of Medicine
06/2019 – Present	Sarah Mughal, CAMS Summer Internship Program, Department of Child and Adolescent Psychiatry, New York University School of Medicine
06/2016 – Present	*Toni Lewis, Undergraduate, Department of Psychology, Wayne State University
04/2017 – 06/2019	*Tamara Qawasmeh, Undergraduate, Department of Psychology, Wayne State University
06/2019 – 08/2019	Sydney Sharp, Summer Undergraduate Research Program, Sackler Institute of Graduate Biomedical Sciences and New York University School of Medicine
05/2015 – 05/2019	Sydney Townsel, Initiative for Maximizing Student Diversity (IMSD) Program, Wayne State University
07/2014 – 05/2019	*Jasmine Hect, Medical Scientist Training Program (MSTP), University of Pittsburgh & Carnegie Mellon University

09/2017 – 08/2018	*Maartje van de Ven, Cognitive Neuropsychology Masters Student, Behavioral and Movement Sciences, Vrije Universiteit
05/2017 – 08/2018	Mareena Atalla, Clinical Psychology Graduate Student, Wayne State University
04/2017 – 06/2018	Bryan Turman, College of Podiatric Medicine, Roseland Franklin School of Medicine and Science
09/2015 – 06/2018	Sophia Neuenfeldt, School of Medicine, Wayne State University
05/2014 – 08/2018	Piumi Jayatake, School of Medicine, St. George's University
05/2017 – 12/2017	Ashley C. Kramer, Medical Scientist Training Program (MSTP), Wayne State University
04/2015 – 10/2017	Jamie Piercy, Clinical Resident, The Hospital for Sick Children, Toronto, Ontario
02/2015 – 06/2017	*Saige Rutherford, Data Analyst, Department of Psychiatry, University of Michigan
06/2015 – 05/2017	*Narcis Alexys Marshall, Clinical Psychology Graduate Student, University of Southern California
05/2015 – 10/2016	*Laura Crespo, Clinical Psychology Graduate Student, Psychology, Wayne State University
05/2015 – 10/2016	*Kelsey Sala-Hamrick, Clinical Psychology Graduate Student, Wayne State University
01/2016 – 06/2016	*Joshua Robert Hatfield, Basic Medical Science Master's Program, Wayne State University
09/2015 – 06/2016	*Farrah Elrahal, Research Coordinator, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University
05/2015 – 10/2015	Brittany Lynn Olle, Quality Control Analyst, Regeneron Pharmaceuticals, New York
06/2013 – 06/2015	*Angela Vila, Keller Williams, Silicon Beach, Marina del Rey, California
06/2013 – 06/2015	*Lauren Grove, Transportation Planner, Planning and Development Department, City of Houston
01/2015 – 04/2015	Jennifer Pierce, Postdoctoral Fellow, Department of Anesthesiology, University of Michigan
06/2012 – 06/2014	*Maria Tocco, Resident Physician, School of Medicine, Wayne State University
12/2011 – 05/2014	Rita Elias, College of Osteopathic Medicine, Michigan State University
09/2012 – 07/2013	*Rupal Shastri, Internal Medicine Resident, Rush University
09/2011 – 07/2013	*Maya Dassanayake, Preventive Medicine Resident Physician, Wayne State School of Medicine
11/2011 – 06/2013	*Amy Anderson, Developmental Psychology Graduate Student, University of Denver
05/2011 – 08/2011	Brianne Mohl, Postdoctoral Fellow, Department of Radiology and Neurology, University of Colorado

Postdoctoral students supervised and/or mentored

01/2016 – 01/2018	Marion I. van den Heuvel, Ph.D., Department of Cognitive Neuropsychology, Tilburg University, Assistant Professor
06/2014 – 07/2018	Janessa Manning, Ph.D., Blue Cross Blue Shield of Michigan, Healthcare Business Analyst
03/2018 – Present	Lilach Akiva-Kabiri, Ph.D., Perinatology Research Branch, NICHD, National Institutes of Health, Postdoctoral Fellow

Faculty mentored

03/2019 – Present	Vidya Rajagopalan, Ph.D., Children's Hospital Los Angeles, Department of Radiology and Imaging, K01 Mentor

Institutional, Local/National Service and Related Activity

Institutional Service

09/2018 – present	NYU Langone, Department of Child and Adolescent Psychiatry faculty representative, School of Medicine Faculty Council

08/2018 – present	NYU Langone, Department of Child and Adolescent Psychiatry faculty representative, Recruitment and Retention Unit (RRU) Committee of the Clinical and Translational Science Institute (CTSI)
07/2018 – present	NYU Langone, Ad-hoc member, NYU Children's Health and Environment Study (CHES) Ancillary Study Committee, Proposal review subgroup
07/2018 – present	NYU Langone, Department of Child and Adolescent Psychiatry faculty representative, Exposome Center at NYU

Professional Service

Professional Service for Professional Organizations

2018	Invited Expert Panelist, NIH Expert Panel Meeting on the Design of a Longitudinal Study of the Impact of Prenatal Opioid and Other Substance Exposure on Brain and Behavioral Development, National Institutes of Health
2016-current	Ad-hoc member, American Association for the Advancement of Science (AAAS)
2014	Scientific Reviewer, Fourth Biennial Conference on Resting State – Brain Connectivity, Boston, evaluated and ranked ~50 submitted abstracts
2014-current	Ad-hoc member, Society for Research on Adolescence
2014-2015	Ad-hoc member, Association for Psychological Science
2013-2014	Ad-hoc member, The International Society for Integrative Developmental Cognitive Neuroscience
2012-2013	Ad-hoc member, American Academy of Child & Adolescent Psychiatry
2009-current	Ad-hoc member, Society of Biological Psychiatry
2009-2015	Ad-hoc member, Organization for Human Brain Mapping
2009-current	Ad-hoc member, Society for Research in Child Development
2008-2009	Ad-hoc member, The Society for Research in Psychopathology
2006-2013	Ad-hoc member, Cognitive Neuroscience Society
2004-2006	Ad-hoc member, International Society for Magnetic Resonance in Medicine
2000-current	Ad-hoc member, Society for Neuroscience

Peer Review Groups, Grant Application Review Groups, and Study Sections

2018	Child Psychopathology and Developmental Disabilities (CPDD) Center of Scientific Review (CSR) Standing Member; SRO: Katherine Morasch; July 2019 – June 2025 term
2016	Ad-Hoc Reviewer, Developmental Brain Disorders, SRO Pat Manos, Ph.D, Center of Scientific Review (CSR)
2014, 2016, 2017	Ad-Hoc Reviewer, Child Psychopathology and Developmental Disabilities (CPDD), SRO Jane Doussard-Roosevelt, Center of Scientific Review (CSR)
2015	Ad-Hoc Reviewer, special emphasis panel, Center of Scientific Review (CSR)
2014	Ad-Hoc Reviewer, Center of Scientific Review (CSR), Program Project Grant application (P01)
2013 – 2015	Reviewer, Center of Scientific Review (CSR), Early Career Reviewer Program, NIH
2013	Ad-Hoc Reviewer, InterDisciplinaire Onderzoeksprogramma Interdisciplinary, Research Program managed by the KU Leuven Research Council
2013	Ad-Hoc Reviewer, The Research Foundation - Flanders FWO Vlaanderen
2011	Ad-Hoc Reviewer, Hertha Firnberg-Program grant managed by the Austrian Science Fund (FWF)

Advisory Boards and Consultant Positions

2018	Scientific Expert, "Science Goes to the Movies" TV show produced by the City University of New York (CUNY TV) episode "Why We Go Up/Why We Grow Old" hosted by Lisa Beth Kovetz on December 14, 2018.
2015	Scientific Expert for full-length feature documentary film, *In Utero*, written and directed by Kathleen Man Gyllenhaal, produced by Stephen Gyllenhaal and Matthew Brady
2010	Consultant for concept on "brain training" reality television program, ABC Television Network, Los Angeles, CA

2009	Consultant for neuroscience-related investment concerns, Kleiner, Perkins, Caufield and Byers, Menlo Park, CA
2005 – present	Scientific Advisory Board Member, Lumos Labs (Lumosity)

Organizing Roles in Scientific Meetings

2019	Invited Member, Scientific Program Committee, Flux International Congress for Integrative Developmental Cognitive Neuroscience
2014	Co-Organizer, Society for Research on Child Development (SRCD) sponsored conference: Relevance of Population Neuroscience for Understanding Human Development, University of Michigan, Ann Arbor, Michigan. Partnership with Daniel Keating, PhD and the Program in Population, Neurodevelopment and Genetics (PNG) within the Institute for Social Research (ISR)
2013	Invited Member, Scientific Program Committee, International Organizing Committee, New Horizons in Human Brain Imaging: A Focus on Neuroimaging of the Developing Brain
2013	Invited Member, Scientific Program Committee, Inagural Flux International Congress for Integrative Developmental Cognitive Neuroscience
2004 – 2005	Invited Member, Scientific Program Committee, Mind and Life Institute, Stanford University 3 day seminar series with His Holiness the Dalai Lama entitled "Craving, Suffering, and Choice: Spiritual and Scientific Explorations of Human Experience". Traveled to Dharamsala, India and met with His Holiness prior to the visit. Collaborated to build a multi-day context that would nimbly enable conversation between modern neuroscience and Buddhism in a public format

Editorial and Journal Positions

07/2020 – present	Associate Editor, Developmental Cognitive Neuroscience, Elsevier Journals
03/2018 – present	Associate Editor, Network Neuroscience, MIT Press
03/2015 – present	Review Editor, Editorial Board, Frontiers in Behavioral Neuroscience
03/2015	Guest Editor, Proceedings of the National Academies of Science (PNAS)
01/2010 – 12/2016	Editorial Board, Frontiers in Developmental Psychology

Manuscript Review

Nature Neuroscience	2020
Network Neuroscience	2019
Nature Communications	2019
eLife	2018
Cerebral Cortex	2017, 2018
Trends in Neuroscience	2017
The Journal of Neuroscience	2017
Developmental Psychobiology	2017
JAMA Psychiatry	2016
PNAS	2015
Cortex	2015
Journal of Perinatal Medicine	2014
Neuropsychopharmacology	2013
Psychiatry Research: Neuroimaging	2013
Psychoneuroendocrinology	2013
American Journal of Obstetrics and Gynecology	2012
PLoS ONE	2012, 2014
Journal of Neuroscience	2012, 2015
Neuroscience & Biobehavioral Reviews	2012
Alcoholism Clinical and Experimental Research	2012
Biological Psychiatry	2012, 2017
Frontiers in Developmental Psychology	2011
Developmental Science	2009
Neuropsychologia	2008

Human Brain Mapping	2006, 2012, 2013, 2014, 2017
NeuroImage	2006, 2007, 2008, 2009, 2010

Community Service, Volunteer Activities, and Teaching of Patients

2019	'Research Spotlight' Biotrust Community Values Advisory Board, The Michigan Department of Health and Human Services (MDHHS), Lansing, Michigan
2018	Wayne State University 2018 Annual Spirit of Community Awards Nomination
2013 – 2016	Planning Committee Member, 'Brain Day', Michigan Science Center, Detroit, Michigan
2013	Presenter, 'Medicine That Matters', Birmingham Education Foundation, Birmingham, Michigan
2008	Volunteer Contributor, 'Meet a Neuroscientist', Fundraising Auction for Adolescent Counseling Services, Palo Alto, California
2002 – 2004	Director, 'Brain Day', Palo Alto Middle Schools, Palo Alto, California

Military Service

None

Bibliography

Publications

Peer-reviewed Publications

1. Alismail, F., Stacks, A.M., Wong, K., Brown, S,. Beeghly, M., **Thomason, M.E.** (submitted). Maternal Caregiving Representations of the Infant in the First Year of Life: Associations with Prenatal and Concurrent Reflective Functioning.
2. Norr, M.E., Hect, J.L., Lenniger, C.J., **Thomason, M.E.** (in press). An examination of prenatal obesity and human fetal brain development. Journal of Child Psychology and Psychiatry.
3. **Thomason, M.E.** (2020). Development of Brain Networks in Utero: Relevance for Common Neural Disorders. Biological Psychiatry.
4. Demidenko, M., Huntley, E.D., Jahn, A., **Thomason, M.E.**, Monk, C.S., Keating, D.P. (2020). Cortical and subcortical response to the anticipation of reward in high and average risk-taking adolescents. Developmental Cognitive Neuroscience.
5. van de Ven, M.C. J., van den Heuvel, M.I., Bhogal, A., Lewis, T., **Thomason, M.E.** (2020). Impact of maternal childhood trauma on child behavioral problems: The role of child frontal alpha asymmetry. Developmental Psychobiology. 62(2):154-169.
6. Turk, E., van den Heuvel, M.I., Benders, M.J., de Heus, R., Franx, A., Manning, J.H., Hect, J.L., Hernandez-Andrade, E., Hassan, S.S., Romero, R., Kahn, R.S., **Thomason, M.E.** *, van den Heuvel, M.P.* (2019). Functional connectome of the fetal brain. Journal of Neuroscience. 39(49):9716-9724. **shared last author*
7. Boeve, J.L., Beeghly, M., Stacks, A.M, Manning, J.H., **Thomason, M.E.** (2019) Using the Actor-Partner Interdependence Model to Assess Maternal and Infant Contributions to Mother-Infant Affective Exchanges during the Still-Face Paradigm. Infant Behavior and Development. 57:1-18.
8. **Thomason, M.E.**, Hect, J.L., Rauh, V.A., Trentacosta, C., Wheelock, M.D., Eggebrecht, A.T., Espinoza-Heredia, C., Burt, S.A. (2019) Prenatal lead exposure impacts cross-hemispheric and long-range connectivity in the human fetal brain. Neuroimage. 191:186-192.
9. Wheelock M.D., Hect J.L., Hernandez-Andrade E., Hassan S.S., Romero R., Eggebrecht A.T., **Thomason M.E.** (2019) Sex differences in functional connectivity during fetal brain development. Developmental Cognitive Neuroscience.
10. **Thomason M.E.**, Hect J., Waller R., Manning J.H., Stacks A.M., Beeghly M., Boeve J.L., Wong K., van den Heuvel M.I., Hernandez-Andrade E., Hassan S.S., Romero R. (2018) Prenatal neural origins of infant motor development: Associations between fetal brain and infant motor development. Developmental Psychopathology. 30(3):763-772.

11. Hein, T.C., Mattson, W.I., Dotterer, H.L., Mitchell, C., **Thomason, M.E.**, Peltier, S.J., Welsh, R.C., Hyde, L.W., & Monk, C.S. (2018) Amygdala habituation and uncinate fasciculus connectivity in adolescence: a multi-modal approach. NeuroImage. 183:617-626.
12. Hect, J., Daugherty, A.M., Hermez, K.M., Marusak, H.A., **Thomason, M.E.** (2018) Developmental variation in regional brain iron and its relation to cognitive functions in childhood. Developmental Cognitive Neuroscience.
13. van den Heuvel, M.I., Turk, E., Manning, J.H., Hect, J., Hernandez-Andrade, E., Hassan, S.S., Romero, R., van den Heuvel, M.P., **Thomason, M.E.** (2018). Hubs in the fetal brain network. Developmental Cognitive Neuroscience.
14. Marshall, N.A., Marusak, H.A., Sala-Hamrick, K.J., Crespo, L.M., Rabinak, C.A., **Thomason, M.E.** (2018). Socioeconomic disadvantage alters reward-related brain circuitry in metro-area youth. Human Brain Mapping.
15. **Thomason, M.E.** (2018) Structured spontaneity: building circuits in the human prenatal brain. Trends in Neuroscience. 41(1): 1-3.
16. Marusak, H.A., Hatfield, J.R.B., **Thomason, M.E.**, Rabinak, C.A. (2017). Reduced VTA-hippocampal connectivity in children and adolescents exposed to trauma. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging. 2(2): 130-137.
17. **Thomason, M.E.**, Scheinost, D., Manning, J.H., Grove, L.E., Hect, J., Marshall, N., Hernandez-Andrade, E., Berman, S., Pappas, A., Yeo, L., Hassan, S.S., Constable, R.T., Ment, L.R., Romero, R. (2017) Weak functional connectivity in the human fetal brain prior to preterm birth. Scientific Reports. 7: 39286.
18. **Thomason, M.E.** and Marusak, H.A. (2017) Within-subject neural reactivity to reward and threat is inverted in young adolescents. Psychological Medicine. 47(9): 1549-1560.
19. Iadipaolo, A.S., Marusak, H.A., Sala-Hamrick, K., Crespo, L.M., **Thomason, M.E.**, Rabinak, C.A. (2017) Behavioral activation sensitivity and default mode network subgenual cingulate cortex connectivity in youth. Behavioral Brain Research. 333: 135-141.
20. Marusak, H.A., **Thomason, M.E.**, Sala-Hamrick, K.A., Crespo, L., Rabinak, C.A. (2017) What's parenting got to do with it: Emotional autonomy and brain and behavioral responses to emotional conflict in children and adolescents. Developmental Science.
21. **Thomason, M.E.**, Marusak, H.A., (2017) Toward understanding the impact of trauma on the early developing brain. Neuroscience. 342: 55-67.
22. Marusak, H.A., **Thomason, M.E.**, Peters, C., Zundel, C., Li, A., Elrahal, F., Rabinak, C.A. (2016) You say prefrontal cortex, I say anterior cingulate: Meta-analysis of spatial overlap in amygdala to medial prefrontal connectivity and internalizing symptomology. Translational Psychiatry. 6(11).
23. van den Heuvel, M.I. and **Thomason, M.E.** (2016) Functional Connectivity of the Human Brain *in Utero.* Trends in Cognitive Science. 20(12): 931-939.
24. Marusak, H.A., Zundel, C., Brown, S., Rabinak, C.A., **Thomason, M.E.** (2016) Is neutral really neutral? Convergent behavioral and corticolimbic connectivity evidence of a negativity bias in children and adolescents. Social Cognitive and Affective Neuroscience.
25. Marusak, H.A., Calhoun, V.D., Brown, S., Crespo, L.M., Sala-Hamrick, K., Gotlib, I.H., **Thomason, M.E.** (2016) Dynamic Functional Connectivity of Neurocognitive Networks in Children. Human Brain Mapping. 38(1): 97-108.
26. Marusak, H.A., Kuruvadi, N., Vila, A.M., Shattuck, D.W., Joshi, S., Joshi, A.A., Jella P.K., **Thomason, M.E.** (2015) BDNF Val66Met Genotype Modulates the Effect of Trauma on Brain Anatomical Development in Childhood. European Child & Adolescent Psychiatry. 25(5): 509-518.
27. Marusak, H.A., Furman, D.J., Kuruvadi, N., Shattuck, D.W., Joshi, S., Joshi, A.A., Etkin, A., **Thomason, M.E.** (2015) Amygdala responses to salient social cues vary with oxytocin receptor genotype in youth. Neuropsychologia. 79(Pt A): 1-9.
28. Hardy, J.L., Nelson, R.A., **Thomason, M.E.**, Sternberg, D.A., Katovich, K., Farzin, F. and Scanlon, M. (2015) Enhancing Cognitive Abilities with Comprehensive Training: A Large, Online, Randomized, Active-Controlled Trial. PLOSONE. 10(9): e0134467.
29. Bellgowan, J.F., Molfese, P., Marx, M., **Thomason, M.E.**, Glen, D., Santiago, J., Gotlib, I.H., Drevets, W.C., Hamilton, J.P. (2015) A Neural Substrate for Behavioral Inhibition in the Risk for Major Depressive Disorder. Journal of the American Academy of Child and Adolescent Psychiatry.
30. Marusak, H.A., Etkin, A., **Thomason, M.E.** (2015) Disrupted insula-based connectome organization and conflict interference in trauma-exposed youth. NeuroImage: Clinical. 10(8): 516-525.

31. **Thomason, M.E.**, Marusak, H.A., Tocco, M.A., Vila, A.M., McGarragle, O., Rosenberg, D.R. (2015) Altered Amygdala Connectivity in Youth Exposed to Trauma. Social Cognitive and Affective Neuroscience. 10(11):1460-1468.
32. Marusak, H.A., Martin, K.R., Etkin, A., **Thomason, M.E.** (2015) Childhood trauma exposure disrupts the automatic regulation of emotional processing. Neuropsychopharmacology. 40: 1250-1258.
33. **Thomason, M.E.**, Grove, L.E., Lozon, T.A Jr., Vila, A.V., Ye, Y., Nye, M.J., Manning, J.H., Pappas, A., Hernandez-Andrade, E., Yeo, L., Mody, S., Berman, S., Hassan, S.S., Romero, R. (2014) Age-related Increases in long-range connectivity in fetal functional neural connectivity networks in utero. Developmental Cognitive Neuroscience. 11: 96-104.
34. Di Martino, A., Fair, D.A., Kelly, C., Satterthwaite, T.D., Castellanos, F.X., **Thomason, M.E.**, Craddock, R.C., Luna, B., Leventhal, B.L., Zuo, X., Milham, M.P. (2014) Unraveling the miswired connectome: a developmental perspective. Neuron. 11: 96-104.
35. Prilipko, O., Huynh, N., **Thomason, M.E.**, Kushida, C.A., Guilleminault, C. (2014) An fMRI study of cerebrovascular reactivity and perfusion in obstructive sleep apnea patients before and after CPAP treatment. Sleep Medicine. 15(8): 892-898.
36. **Thomason, M.E.**, Brown, J.A., Dassanayake, M.T., Shastri, R., Marusak, H.A., Hernandez-Andrade, E., Yeo, L., Mody, S., Berman, S., Hassan, S.S., & Romero, R. (2014) Intrinsic functional brain architecture derived from graph theoretical analysis in the human fetus. PLOSONE. 9(5).
37. Goetz, S.M.M.[1], Tang, L.[1], **Thomason, M.E.**, Diamond, M.P., Hariri, A.R., & Carré, J.M. (2014) Exogenous testosterone rapidly increases neural reactivity to threat in healthy men: A novel two-step pharmaco-fMRI challenge paradigm. Biological Psychiatry. 76(4): 324-31. [1]Joint First Authors
38. Neelavalli, J. Haacke, E.M., Mody, S., Yeo, L., Korzenieski, S.J., Saleem, S., Katkuri, Y., Jella, P., Bahado-Singh, R., Hassan, S.S., Romero, R., & **Thomason, M.E.** (2014) Measuring venous blood oxygenation in fetal brain using susceptibility-weighted imaging. Journal of Magnetic Resonance Imaging. 39(4); 998-1006.
39. Seshamani, S., Cheng, X., Fogtmann, M., **Thomason, M.E.**, & Studholme, C. A. (2014) Method for handling intensity inhomogenieties in fMRI sequences of moving anatomy of the early developing brain. Medical Image Analysis.18(2):285-300.
40. Neelavalli, J., Mody, S., Yeo, L., Korzenieski, S.J., Saleem, S., Katkuri, Y., Jella, P.K., Bahado-Singh, R.O., Hassan, S.S., Haacke, E.M., Romero, R., **Thomason, M.E.** (2014) MR venography of the fetal brain using susceptibility weighted imaging. Journal of Magnetic Resonance Imaging. 40(4): 949-957.
41. Swartz, J.R., Carrasco, M., Wiggins, J.L., **Thomason, M.E.**, & Monk, C.S. (2014). Age-related changes in the structure and function of prefrontal cortex-amygdala circuitry in children and adolescents: A multi-modal imaging approach. NeuroImage. 86: 212-220.
42. Falk, E.B. [1], Hyde, L.W. [1], Mitchell, C. [1], Faul, J., Gonzalez, R., Heitzeg, M.M., Keating, D.P., Langa, K., Martz, M.E., Maslowsky, J., Morrison, F.J., Noll, D.C., Patrick, M., Pfeffer, F.T., Reuter-Lorenz, P.A., **Thomason, M.E.**, Davis-Kean, P. [2], Monk, C.S. [2], Schulenberg, J. [2] (2013) Neuroscience meets population science: What is a representative brain?. Proceedings of the National Academy of Science. 110(44): 17615-22. [1]Joint First Authors, [2]Senior Authors
43. Marusak, H.A., Carré, J.M., & **Thomason, M.E.** (2013) The stimuli drive the response: an fMRI study of youth processing adult or child emotional face stimuli. NeuroImage. 83: 679-689.
44. **Thomason, M.E.**, Tocco, M.A., Quednau, K.A., Bedway, A.R. & Carré, J.M. (2013) Idle behaviors of the hippocampus reflect endogenous cortisol levels in youth. Journal of the American Academy of Child and Adolescent Psychiatry. 52(6): 642-652.
45. Anderson, A.L., & **Thomason, M.E.** (2013) Functional plasticity before the cradle: A review of neural functional imaging in the human fetus. Neuroscience & Biobehavioral Reviews. 37(9): 2220-2232.
46. **Thomason, M.E.**, Dassanayake, M.T., Shen, S., Katkuri, Y., Alexis, M., Anderson, A.L., Yeo, L., Mody, S., Hernandez-Andrade, E., Hassan, S.S., Studholme, C., Jeong, J.W., & Romero, R. (2013) Cross-hemispheric functional connectivity in the human fetal brain. Science Translational Medicine. 5(173):17324. (Article figure featured on cover.)

47. Torrisi, S.J., Moody, T.D., Vizueta, N., **Thomason, M.E.**, Townsend, J.D., Bookheimer, S.Y., & Altshuler, L.L. (2013) Differences in resting corticolimbic functional connectivity in bipolar I euthymia. Bipolar Disorders. 15:156-166.
48. Monje, M.[1], **Thomason, M.E.**[1], Rigolo, B.S., Wang, Y., Waber, D.P., Sallan, S.E., & Golby, A.J. (2013) Functional and structural differences in the hippocampus associated with memory deficits in adult survivors of Acute Lymphoblastic Leukemia. Pediatric Blood & Cancer. 60(2):293-300. [1]Joint First Authors
49. Welsh, R., Nemec, U., & **Thomason, M.E.** (2011) Fetal magnetic resonance imaging at 3Tesla. Topics in Magnetic Resonance Imaging. 22:119-131.
50. Dennis, E., Gotlib, I.H., & **Thomason, M.E.** (2011) Anxiety modulates insula recruitment in resting-state fMRI in youth and adults. Brain Connectivity. 1(3):245-54.
51. Chen, G., Glen, D.R., Saad, Z.S., Hamilton, J.P., **Thomason, M.E.**, Gotlib, I.H., & Cox, R.W. (2011) Vector autoregression, structural equation modeling, and their synthesis in neuroimaging data analysis. Computers in Biology and Medicine. 41(12):1142-55.
52. **Thomason, M.E.**, Hamilton, J.P., & Gotlib, I.H. (2011) Stress-induced activation of the HPA axis predicts connectivity between subgenual cingulate and salience network during rest in adolescents. The Journal of Child Psychology and Psychiatry. 52(10):1026-34.
53. Joshi, A., Joshi, S., **Thomason, M.E.**, Dinov, I., & Toga, A. (2011) Evaluation of connectivity measures and anatomical features for statistical brain networks. Proc. IEEE International Symposium on Biomedical Imaging, 2011. 55(1): 165-75.
54. Hamilton, J.P., Furman, D.J., Chang, C., **Thomason, M.E.**, Dennis, E., & Gotlib I.H. (2011) Default-mode and task-positive network activity in major depressive disorder: Implications for adaptive and maladaptive rumination. Biological Psychiatry. 70(4): 327-33.
55. **Thomason, M.E.**, Dennis, E., Joshi, A.A., Joshi, S.H., Dinov, I.D., Chang, C., Henry, M.L., Johnson, R.F., Thompson, P.M., Toga, A.W., Glover, G.H., Van Horn, J.D., & Gotlib, I.H. (2011) Resting-state fMRI can reliably map neural networks in children. NeuroImage. 55(1): 165-75.
56. **Thomason, M.E.**, Henry, M.L., Hamilton, J.P., Joormann, J., Pine, D.S., Ernst, M., Goldman, D., Mogg, K., Bradley, B.P., Britton, J.C., Lindstrom, K.M., Monk, C.S., Sankin, L.S., Louro, H.M., & Gotlib, I.H. (2010) Neural and behavioral responses to threatening emotion faces in children as a function of the short allele of the serotonin transporter gene. Biological Psychology. Sep; 85(1): 38-44.
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26. Marusak, H.A., Jaffry, S., Bazzi, T.H., Bukavyn, N., Baldwin, G.H., **Thomason, M.E.** (2015) The pediatric chronnectome: time-varying brain connectivity in children. Graduate Student Research Day Abstracts, Wayne State University School of Medicine.

27. Marusak, H.A., Zundel, C.G., Berman, S.E., Li, A., **Thomason, M.E.** (2015) Time-varying brain connectivity in children and adolescents. Researchers of Biobehavioral Health in Urban Settings Today (RoBUST) Symposium Abstracts, Wayne State University.
28. Youness M., Marshall N.A., **Thomason M.E.,** Khan T., Karra R. (2015) Impacts of pregnancy intention and maternal-fetal attachment on fetal and neonatal health. Researchers of Biobehavioral Health in Urban Settings Today (RoBUST) Symposium Abstracts, Wayne State University.
29. Manning, J.H., Grove, L.E., Olle, B.L, Jella, P., **Thomason, M.E.** (2015) Altered Motor Network Development in Human Fetuses Subsequently Born Preterm. Annual Organization for Human Brain Mapping Conference, Hamburg, Germany in June 2014.
30. Haugen, I., LePage, R., Duval, E., Liberzon, I., & **Thomason, M.E.** (2015) Contextual Fear-Learning Differences in Children and Adolescents: A Pilot Study. 2015 SRCD Biennial Meeting.
31. Carroll, M.R., Burt, S.A., Papiez, K., Marusak, H.A., & **Thomason, M.E.** (2015) Genetic variance in COMT moderate the relation between externalizing problems and fractional anisotropy in youth. 2015 SRCD Biennial Meeting.
32. LePage, R., Carroll, M.R., **Thomason, M.E.**, & Marusak, H.A. (2015) Uniquely impaired brain-reward function in high-risk youth. 2015 SRCD Biennial Meeting.
33. Manning, J.H., Grove, L.G., Sakhardande, J.D., Ricard, T.A., Srivastava, P., **Thomason, M.E.** (2014) Fetal functional connectivity and infant behavior: A preliminary report. 4th Biennial Conference on Resting State Brian Connectivity.
34. DuPre, E., Marusak, H.A., Gotlib, I.H., **Thomason, M.E.**, Spreng, R.N. (2014). Developmental trajectory of functional connectivity of the default network. Cognitive Neuroscience Society 21st Annual Meeting Abstracts.
35. Carroll, M. R., Marusak, H. A., Vila, A., Kuruvadi, N., **Thomason, M.E.** (2014) Trauma and Negative Affectivity Impact Reward-Related Neural Processing in Youth. Society for Research on Adolescence Annual Meeting Abstracts.
36. Dassanayake, M.T., Quednau, K.A., Elias, R., Nye, M.J., Katkuri, Y., Yeo, L., Hernandez-Andrade, H., Hassan, S.S., Romero, R., & **Thomason, M.E.** (2013) Graph theoretical analysis reveals developmental changes in functional networks in the human fetal brain. Michigan Chapter of the Society for Neuroscience 44th Annual Meeting Abstracts.
37. Llancari, S., Anderson, A.L., Martin, K., Daher, A., Shastri, R., Lozon, T., & **Thomason, M.E.** (2013). Fc-fMRI evidence for the emergence of the Default Mode Network in utero. Michigan Chapter of the Society for Neuroscience 44th Annual Meeting Abstracts.
38. Marusak, H.A., Tocco, M.A., Baldwin, G.H., & **Thomason, M.E.** (2013). Trauma exposure disrupts amygdala connectivity in youth. Michigan Chapter of the Society for Neuroscience 44th Annual Meeting Abstracts.
39. Seshamani, S., Fogtmann, M., Cheng, X., **Thomason, M.E.**, Gatenby, C., & Studholme, C. (2013) Cascaded Slice to Volume Registration for Moving Fetal fMRI. International Symposium on Biomedical Imaging: From Nano to Macro Conference Abstracts.
40. **Thomason, M.E.**, Brown, J., Anderson, A.L., Dassanayake, M.T., Shastri, R., Nye, M.J., Hernandez-Andrade, E., Yeo, L., Katkuri, Y., Hassan, S.S., & Romero, R. (2013) Intrinsic functional brain architecture derived from graph theoretical analysis in the human fetus. Organization for Human Brain Mapping Conference Abstracts.
41. Swartz, J.R., **Thomason, M.E.**, Wiggins, J.L., Carrasco, M., & Monk, C.S. (2013) Changes in PFC-amygdala connectivity across adolescence: Insights from multiple imaging modalities. Society for Research in Child Development Biennial Meeting Abstracts.
42. Feng, W., Neelavalli, J., Haacke, E.M., Hamtaei, R., Katkuri, Y., Xuan, Y., Latif, Z., & **Thomason, M.E.** (2012) Measuring flow in the umbilical cord vessels using non-gated phase contrast MRI. Presented at the Radiological Society of North America 98th Annual Meeting in November 2012.
43. Anderson, A.L., Elias, R.E., Katkuri, Y., Yeo, L., Hernandez-Andrade, E., Mody, S., Hassan, S.S., Romero, R., & **Thomason, M.E.** (2012) First report of the default mode network (DMN) in the human fetus. Society for Neuroscience 42nd Annual Meeting Abstracts.
44. Daher, A.H., Bedway, A.R., Swartz, A.K., Youmans, M., Gardner, M., Swift-Godzsiz, K.L., Kowaleski, K.M., Papiez, K., Goetz, S.M., Carre, J.M., & **Thomason, M.E.** (2012) Associations between subjective and endocrine stress parameters in youth during an fMRI session. Society for Neuroscience 42nd Annual Meeting Abstracts.
45. Dassanayake, M.T., Alexis, M., Anderson, A.L., Shen, S., Papiez, K., Katkuri, Y., Nguyen, H., Yeo, L., Hernandez-Andrade, E., Hassan, S.S., Romero, R., & **Thomason, M.E.** (2012) Functional connectivity in the fetal brain increases with gestational age. Society for Neuroscience 42nd Annual Meetings Abstracts.
46. Martin, K.R., Dassanayake, M.T., Frigon, T.A., Baliff, K.P., Katkuri, Y., & **Thomason, M.E.** (2012) Brain activation in youth altered when stimuli are child versus adult emotional faces. Society for Neuroscience 42nd Annual Meeting Abstracts.

47. Schaffhauser, J., Baldwin, G., Lozon, T.A., Rihan, B., Quednau, K.A., Shen, S., Katkuri, Y., Goetz, S., Carre, J.M., Marusak, H.A., & **Thomason, M.E.** (2012) Hippocampal to default mode network (DMN) neural connectivity corresponds to cortisol levels during MRI in youth. Society for Neuroscience 42nd Annual Meeting Abstracts.
48. Seshamani, S., Fogtmann, M., **Thomason, M.E.**, & Studholme, C. (2012) Resting state analysis of function in the moving fetal brain? International Society for Magnetic Resonance in Medicine.
49. Martin, K., Shen, S., & **Thomason, M.E.** (2012) Separate neural systems resolve emotional and nonemotional conflict in children. Cognitive Neuroscience Society 19th Annual Meeting Abstracts.
50. Neelavalli, J., Yeo, L., Mody, S., **Thomason, M.E.**, Singh, R.B., Haacke, E. M., & Romero, R. (2012) Magnetic resonance venography of the fetal brain using susceptibility weighted imaging at 1.5T and 3.0T: Preliminary results. Inaugural Pacific Rim Congress: Ultrasound and Magnetic Resonance Imaging of the Fetus.
51. Torrisi, S., Moody, T.D., **Thomason, M.E.**, Vizuetaa, N., Townsend, J., Fischer, J., Bookheimer, S.Y., & Altshuler, L.L. (2011) Differences in right amygdala to right VLPFC resting state functional connectivity in bipolar euthymia. The Organization for Human Brain Mapping 17th Annual Meeting Abstracts.
52. **Thomason, M.E.**, Dennis, E.L., Henry, M.L., Johnson, R.F., Thompson, P.M., & Gotlib, I.H. (2010) Resting functional connectivity: Pattern reliability and longitudinal changes in childhood. The Organization for Human Brain Mapping 16th Annual Meeting Abstracts.
53. Jahanshad, N., Stein, J., **Thomason, M.E.**, McMahon, K., de Zubicary, G., Martin, N., Wright, M., Toga, A.W., & Thompson, P. (2010) Gene hunting in DTI: Boosting power to detect genes that influence fiber tracts. The Organization for Human Brain Mapping 16th Annual Meeting Abstracts.
54. **Thomason, M.E.**, Colich, N.L., Rykhlevskaia, E.I., Dougherty, R.F., Perry, L.M., & Gotlib, I.H. (2010) Variation in COMT genotype modulates brain white matter Iitegrity in children and adolescents. The Organization for Human Brain Mapping 16th Annual Meeting Abstracts.
55. Dennis, E.L., Johnson, R.F., **Thomason, M.E.**, Yoo, D.J., Greicius, M.D., Glover, G.H., & Gotlib, I.H. (2009) BDNF genotype modulates brain resting functional connectivity. The Organization for Human Brain Mapping 15th Annual Meeting Abstracts.
56. Hamilton, J.P., Chen, G., **Thomason, M.E.**, Johnson, R.F., & Gotlib, I.H. (2009) Discovering neural primacy in depression: Granger causality analysis of resting state BOLD data. Society of Biological Psychiatry 64th Annual Meeting Abstracts.

International Conferences: Chaired Sessions

November 2019	58th Annual Meeting of American College of Neuropsychopharmacology (ACNP), "Cannabinoids: risks and benefits across the lifespan?", Co-Chair: Nora Volkow, Orlando, FL
August 2018	6th Annual Flux Congress for Developmental Cognitive Neuroscience, Oral session: "Early Experience", Berlin, Germany
June 2018	26th Annual International Society for Magnetic Resonance in Medicine (ISMRM-ESMRMB Joint Annual Meeting), Oral session: "fMRI: Neurodevelopment & Clinical Applications", Paris, France
April 2017	Society for Research in Child Development (SRCD) Biennial Meeting, Oral session: "Operations of the prenatal and early postnatal brain", Austin, TX
October 2016	2nd Annual Researchers in Biobehavioral Health in Urban Settings Today (RoBUST) Meeting, Oral session: "The Science of Team Science", Detroit, Michigan
September 2016	Resting State and Brain Connectivity Biannual Meeting, Oral session: "Development", Vienna, Austria
June 2016	22nd Annual Meeting of the Organization of Human Brain Mapping, Oral session: "Early Brain Development", Geneva, Switzerland
March 2016	Society for Research on Adolescence Biennial Meeting, "Addressing Complexities of Dual-Systems Models of Adolescent Risk-Taking: Advancements in Neuroimaging Research", Participants: M. Martz, R. Dahl, M. Luciana, J. Pfeifer, Baltimore, MD

International Conferences: Keynotes and Plenary Lectures

November 2018	3rd International Symposium on the Fetal Brain, Washington, D.C., Invited Keynote Speaker
February 2018	5th Annual Canadian National Perinatal Research Meeting, Banff, Canada, Invited Plenary Speaker
November 2017	37th Annual Mildred Stahlman Division of Neonatology at Vanderbilt University Neonatology Symposium, Nashville, Tennessee, Invited Keynote Speaker

November 2015	3rd Conference of the Society for New Fetal Medicine and Science, Takamatsu City, Kagawa, Japan, Invited, Plenary speaker
June 2015	Dementia in Neurological and Mental Disorders Meeting Lille, France, Invited Keynote Speaker

International Conferences: Media Distinction

October 2019	Scientific Abstract Media Distinction at the 49th Annual Society for Neuroscience (SfN) Meeting, ~70 abstracts selected from more than 15,000 submitted, Chicago, Illinois
March 2018	25th Annual Cognitive Neuroscience Society (CNS) Meeting, Scientific Abstract Media Distinction; 8% of podium presentation abstracts selected, Boston, Massachusetts
June 2016	22nd Annual Meeting of the Organization of Human Brain Mapping, Research Featured in Meeting Highlights, Geneva, Switzerland
October 2015	Scientific Abstract Media Distinction at the 45th Annual Society for Neuroscience (SfN) Meeting, ~70 abstracts selected from more than 15,000 submitted, Chicago, Illinois
November 2012	Radiological Society of North America 98th Annual Meeting, Media distinction, Chicago, Illinois

International Conferences: Presentations

May 2020	Cognitive Neuroscience Society, "Neural correlates of poverty observed in the human fetal brain", Virtual Meeting (originally: March 2020, Boston, MA)
January 2020	Winter Conference in Developmental Psychobiology, "Environmental programming of large-scale human fetal brain networks", Cartagena, Colombia
November 2019	58th Annual Meeting of American College of Neuropsychopharmacology (ACNP), "Maternal prenatal cannabis use and human fetal hippocampal functional connectivity", Orlando, FL
October 2019	Bill & Melinda Gates Foundation Grand Challenges Annual Meeting, "Maternal prenatal stress and environment: effects on fetal brain and timing of delivery", Addis Ababa, Ethiopia
October 2019	52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP), "The association between maternal prenatal obesity and human intrauterine brain development", Chicago, IL
May 2019	American Society of Neuroradiology (ASNR), "Fetal MRI: potential clinical tool for early detection of developmental disorders?", Boston, MA
November 2018	Third International Symposium on the Fetal Brain, "Emerging functional brain connectivity in the fetus", Invited, Washington, D.C.
March 2018	Cognitive Neuroscience Society, "Developmental Cognitive Neuroscience: Brain Construction from the Fetus through Old Age", Boston, MA
February 2018	Canadian National Perinatal Research Meeting, "Stress and Resilience: Intrauterine examination of the human fetal brain functional connectome", Invited, Banff, Alberta, Canada
November 2017	International Neuroethics Society Meeting, "Prenatal programming of human fetal brain development", Invited, Washington, DC
November 2017	Annual Neonatal Symposium, "Fetal brain developmental differences precede altered child neurodevelopment", Invited, Nashville, TN
September 2017	Flux Society, "Hatching a Pokémon egg by closing your eyes: A new paradigm for measuring resting-state in preschoolers", Invited, Portland, OR
September 2017	U.S. Developmental Origins of Health and Disease, "Maternal prenatal stress is associated with reduced efficiency in human fetal functional brain systems", Detroit, MI
June 2017	University of British Columbia Children's Hospital Research Institute, "Intrauterine examination of human fetal brain functional connectivity", Invited, British Columbia, Canada
May 2017	Wiring the Brain Meeting, "Bearing of Maternal Prenatal Stress on Fetal Neural Connectivity", Invited, Cold Spring Harbor Laboratory, NY
May 2017	Society of Biological Psychiatry Meeting, "High stress in pregnant mothers is associated with reduced global brain efficiency in the fetus", San Diego, CA
May 2017	Multi-modal Neuroimaging Training Program (MNTP) Center for the Neural Basis of Cognition (CNBC) Symposium, Invited, "Advances in Health Neuroscience and Multimodal Neuroimaging" Pittsburgh, PA
April 2017	Society for Research in Child Development (SRCD) Biennial Meeting, "Infant affect and self-regulation during the Still Face Paradigm predicted by prenatal brain development", Austin, TX
May 2016	Society of Biological Psychiatry Meeting, "The effect of maternal prenatal stress on fetal brain and behavior", Atlanta, GA

March 2016	Society for Research on Adolescence, Biennial Meeting, “Age-related shift from balance to imbalance in reward and threat neural systems in young adolescents”, Baltimore, MD
March 2015	Society for Research in Child Development (SRCD) Biennial Meeting, “Fetal functional neural connectivity networks *in utero*”, Philadelphia, PA
September 2014	Fourth Biennial Conference on Resting State Brain Connectivity, “Fetal brain functional neuroconnectivity”, Invited, Cambridge, MA
August 2014	1st International Conference on Human Brain Development: Imaging the Growing Brain, “Emerging neurocircuitry in the human fetal brain”, Invited, Beijing, China
May 2014	Association for Psychological Science Meeting, “Stress programming and human fetal neurodevelopment”, San Francisco, CA
May 2014	Society of Biological Psychiatry Meeting, “Altered brain functional connectivity in human fetuses born preterm”, New York, NY
March 2014	New Horizons in Human Brain Imaging Meeting, “Understanding the emerging complexity of the fetal brain”, Invited, Oahu, HI
September 2013	International Congress for Integrative Developmental Cognitive Neuroscience, “Fetal brain functional dynamics revealed by fcMRI”, Pittsburg, PA
June 2013	19th Annual Organization for Human Brain Mapping Conference, “Functional assessment of brain development in the human fetus”, Seattle, WA
November 2012	Radiological Society of North America 98th Annual Meeting, “Identification of the default mode network using fMRI in the human fetus”, Chicago, IL
October 2012	American Academy of Child & Adolescent Psychiatry 59th Annual Meeting “Individual differences in state anxiety and stress reactivity alter functional brain connectivity in youth”, presented within the “Emotion Regulation Across Risk Disorders: Risk, Moderators, and Mechanisms” symposium, San Francisco, CA
October 2012	Society for Neuroscience 42nd Annual Meeting, “Endogenous cortisol during MRI scanning is associated with amygdala-mPFC connectivity in youth”, New Orleans, LA
November 2011	Society for Neuroscience 41st Annual Meeting, "Resting-state neural functional connectivity is associated with cortisol reactivity to stress in children”, presented within the “Multimodal Imaging of Developmental Psychopathology" Nanosymposium, Washington, DC
June 2011	Brain Connectivity Workshop, “Genetic influences on maturation of human cortical functional networks”, Montreal, Canada
May 2011	Society of Biological Psychiatry 66th Annual Meeting, “Individual differences in stress-induced activation of the HPA-axis predicts connectivity between subgenual cingulate and salience network during resting-state fMRI in adolescents”, San Francisco, CA
December 2010	New Horizons in Human Brain Imaging Meeting, Invited, “Neural network connectivity in children and adolescents”, Oahu, HI