

## CURRICULUM VITAE

Name: BJ Casey, Ph.D.

Date of preparation: May 1, 2016

### A. GENERAL INFORMATION

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Citizenship: USA

### B. EDUCATIONAL BACKGROUND

<i>Degree</i>	<i>Institution name, city and state</i>	<i>Dates attended</i>	<i>Year Awarded</i>
BA	Appalachian State University, Boone, NC	1977-1982	1982
MA	Appalachian State University Boone, NC	1983-1984	1984
PhD	University of South Carolina Columbia, SC	1986-1990	1990

### C. PROFESSIONAL POSITIONS AND EMPLOYMENT

#### Post-doctoral training

<i>Title</i>	<i>Institution name, city and state</i>	<i>Dates held</i>
Postdoctoral Fellow	National Institute of Mental Health Bethesda, MD	1990-1992
Staff Fellow	National Institute of Mental Health Bethesda, MD	1992-1994

#### Academic positions

<i>Title</i>	<i>Institution name, city and state</i>	<i>Dates held</i>
Assistant Professor	University of Pittsburgh Pittsburgh, PA	7/01/1994- 5/31/1999
Visiting Research Collaborator	Princeton University Princeton, NJ	7/01/1998- 6/30/2006
Assistant Professor in Psychiatry (interim)	Weill Medical College of Cornell University New York, NY	6/01/1999- 7/22/1999
Associate Professor of Psychiatry	Weill Medical College of Cornell University New York, NY	6/01/1999- 5/31/2002
Professor of Psychology in Psychiatry and Neuroscience	Weill Medical College of Cornell University New York, NY	7/01/2002- 6/30/2016
Adjunct Professor	The Rockefeller University New York, NY	5/01/2013- 6/30/2016
Professor of Psychology	Yale University, New Haven CT	*7/1/2016-

#### **D. PROFESSIONAL MEMBERSHIPS**

<i>Member/officer title</i>	<i>Name of Organization</i>	<i>Dates held</i>
Member	American Psychological Association	1984-1992
Member	Society for Psychophysiological Research	1988-1990
Member	American Psychological Society	1990-1998
Member	Society for Neuroscience	1992-present
Member	Organization of Human Brain Mapping	1994-present
Member	Cognitive Neuroscience Society	1995-present
Member	International Society for Dev Psychobiology	2001-present
Member	New York Academy of Science	2005-present
Fellow	New York Academy of Medicine	2010-present

#### **E. HONORS AND AWARDS**

<i>Name of award</i>	<i>Date awarded</i>
John Merck Scholar in the Biology of Developmental Disabilities	1997
Charles A Dana Clinical Hypotheses in Neuroscience Research Award	1998
The Sackler Professor for Developmental Psychobiology	2002
John Merck Fund Service Award	2005
Greatest Contribution of an Alumna to the Field of Psychology, USC	2007
The National Academies of Science, Invited Lecture	2007
College of Arts & Sciences Alumna Award, USC	2008
The Hebb Lecturer, Halifax	2010
The Jeffrey Lecturer, UCLA	2012
WCMC Award for Teaching Excellence	2012
Society for Psychophysiological Research Keynote Speaker	2012
The Salmon Lecture, NYAM	2012
Society for Research in Child Development (SRCD) Master Lecturer	2013
Douglas Powers Visiting Scholar Award, Vanderbilt University	2013
Child Study Center's Bloom Lecture, Penn State	2014
SYNAPSE (Symposium for Young Neuroscientists and Professors of the SouthEast) Keynote Speaker	2014
Honorary Doctorate, Utrecht University	2014
Eastern Psychological Association Keynote Speaker	2014
APA Frontiers of Science Lecture	2014
Ann L. Brown Award for Excellence in Developmental Research	2014
Organization of Human Brain Mapping Keynote Speaker	2015
Ruane Prize for Outstanding Achievement in Child and Adolescent Psychiatric Research	2015
Irish America magazine's 2015 Healthcare and Life Sciences 50	2015
World's Most Influential Minds of 2015, Thomson Reuters	2016

#### **F. CURRENT AND PAST INSTITUTIONAL RESPONSIBILITIES AND PERCENT EFFORT**

	<i>Dates</i>
Teaching	
Brain and Mind for medical students – Lecturer and Lab Instructor	2000-2016
Meet the Faculty for graduate students– Lecturers and/or Instructor	2001-2016
From Neuron to Brain for graduate students – Lecturer and/or Instructor	2001-2016
Introduction to Applied Statistics for graduate students - Instructor	Spring 2004
Progress in Neuroscience Seminar for graduate students – Instructor	2004-2012
Molecules, Genes & Cells for graduate students – Instructor/Facilitator	2004-2006
PGY II Psychopharmacology for Residents	2005-2016

Ithaca-Weill Graduate Development and Learning Seminar- Lecturer	2006-2010
Neurobiology of Neural Diseases for graduate students – Instructor	2011
Scientific Frontiers for MD PhD students	2011-2016
Neuroscience and Journalism for graduate students - Instructor	2012
Developmental Neuroscience for residents of Psychiatry - Lecturer	2012-2016
Meet the Scientists for residents of Psychiatry- Lecturer	2015-2016
Administrative duties	Dates
Director, Sackler Institute for Developmental Psychobiology	2002-2016
Clinical Research Task Force, Medical College	2003-2004
Director, Neuroscience Graduate Program	2004,2008-2012
Executive Committee, Neuroscience Graduate Program	2004-2008
Associate Vice Chair of Research, Psychiatry	2004-2008
Research Awards Committee, Medical College	2005-2013
Medical College Benefits Committee	2006-2007
IBIS Board, Cornell Affiliated Campuses	2006-2008
SPIII Neurodegenerative Diseases Recruitment Committee	2008-2012
Brain Initiative Committee	2010-2016
Research Policy Committee (RPC)	2012-2013
RPC Space Allocation Subcommittee	2012-2013
RPC Space Policy Subcommittee	2012-2013
RPC Cores Subcommittee	2012-2014
REC Committee	2014-2015
WCGS Awards Committee	2015-2016
Research	Dates
<u>NIH-NIMH Intramural Related Research Projects:</u>	
"Biochemical Correlates of Pemoline Treatment of Hyperactive Children" (86-M-82) Associate Investigator.	1990-1994
"Magnetic Resonance Imaging of Childhood Onset Psychiatric Disorders" (89-M-06) Associate Investigator.	1990-1994
"Treatment of Sydenham's Chorea with Plasma Exchange, Intravenous Immunoglobulin, Prednisone, or Placebo" (92-M-0132) - Associate Investigator.	1990-1994
"Assessment and Treatment of Winter Seasonal Affective Disorder in Children" (93-M-52) Associate Investigator.	1993-1994
"Functional Magnetic Resonance Imaging of Childhood Onset Psychiatric Disorders" (94-M-71) Principal Investigator.	1994
"The Characterization of Childhood-onset Obsessive-compulsive Disorder and the PANDAS Subgroup" (PDN Branch) Extramural Associate Investigator	09/01/2003- 08/30/2005
<u>NIH Extramural Research:</u>	
Mapping the Development of Inhibitory Mechanisms: First grant ever awarded by the NIH to examine normative development with functional MRI, PI (K01 MH01297).	08/01/1996- 04/30/2001
The Psychobiology of Childhood Anxiety and Depression: Application of fMRI to examine biological substrates of pediatric anxiety and depression. PI of Project IV (P01 MH41712)	01/01/1997- 12/31/2000
Cognitive and Neural Mechanisms of Conflict and Control: Application of	10/01/2000-

fMRI to understand the development of cognitive and neural mechanisms underlying attentional conflict. PI of Project IV (P50 MH62196)	09/30/2005
Frontostriatal Development and Cognitive Control: Application of fMRI and diffusion tensor imaging (DTI) to examine the development of frontostriatal circuitry implicated in behavioral regulation PI (R01 MH63255)	05/01/2001-04/30/2006
Functional Neuroanatomical Deficits in ADHD families: Collaborative R01 with Berkeley, Stanford, Duke and Columbia Universities of double-blind placebo-ritalin cross over study of parent child dyads with ADHD using both fMRI and DTI. PI (R01 MH64166)	05/01/2002-04/30/2004
Development of Prediction and Reward Circuitry: Development of behavioral assays and imaging methods to examine cognitive and neural systems implicated in substance abuse. PI (R21 DA15882)	10/01/2002-09/30/2005
Brain Development following Institutionalization: Examines the emotional, cognitive and brain development of children adopted from orphanages abroad with behavioral, cortisol, and MRI measures. PI (R01 MH73175)	07/14/2004-05/31/2009
Development of Basic Components of Decisions: This work examines how reward and emotional contexts bias adolescent behavior and uses fMRI to examine the neural correlates of these behaviors. PI (R01 DA018879)	09/01/2004-08/30/2011
Lasting Effects of Trauma on Amygdala and HPA Activity on Children and Adults: This fellowship trains the PI in using cortisol and fMRI measures of limbic and emotional responses in individuals living in NYC during 9/11 versus those who moved here after Co-Mentor (PI Ganzel, F32 MH068139)	02/01/2003-01/31/2006
Developmental of Emotion Regulation: This fellowship trains the PI in the using of fMRI to measure neural systems underlying emotion regulation across development. Mentor (PI Hare, F31 MH073265)	07/13/2005-06/30/2008
Cognitive and Neural Mechanisms of Decision Making: This program of research examines the development of decision making using formal computational models to constrain interpretations of the behavioral and imaging studies. PI of Project IV (P50 MH62196)	10/01/2005-09/30/2011
Effects of BDNF Genotype and Stress on Learning and Development: This interdisciplinary center uses a translational approach to test gene X environment interactions on neural substrates of learning across development in humans and mice. PI (P50 MH 079513)	5/01/08-4/30/13
Adolescent Decision Making and Self Control. Longitudinal development of delay of gratification and emotion regulation using fMRI, DTI and MRI to understand suboptimal decisions in adolescents Col (NICHD)	5/01/11-4/30/15
Functional Imaging and Eating Behavior among FTO genotype pre-obese children. Examining sensitivity to food cues and underlying neural correlates in children with FTO polymorphism related to obesity. Col (NIDDKD)	09/01/12-08/31/13
Impact of negative affect on neural circuitry in bulimia nervosa: an fMRI	04/01/14-03/31/16

study. To develop an imaging paradigm for examining how negative affect impacts impulsivity to food cues in bulimia (NIMH)

NSF Research

Collaborative Proposal: Self-Control in the Life Course This collaboration of researchers at the Universities of Washington, Michigan, Columbia and Weill Cornell Medical College examines the neural basis of self control in a well defined longitudinal sample of individuals using MRI, DTI and fMRI. Co-I (NSF 0720932)	09/16/06- 09/15/11
Affective and Deliberative Risky Decision Making in Children, Adolescents, and Adults: This program of research examines behavioral and neural development of risk taking using computer tasks and functional magnetic resonance imaging. Co-I (NSF 0720932)	10/1/2007- 09/30/2010

Foundation Supported Research:

Developmental fMRI Consortium: Pittsburgh Component: Collaborative fMRI project with Harvard University, University of Wisconsin-Madison and University of Minnesota to examine reliability of fMRI measures in children and adults. PI (MacArthur Foundation)	01/01/1995- 12/31/1996
Perinatal Striatal Disruption and Psychiatric Symptomatology: Examined the long-term effects of birth complications, especially those leading to mild hemorrhage on psychiatric symptoms, and behavioral and brain development. PI (Dana Foundation)	01/01/1997- 12/31/1999
Validation of the Association of Perinatal Complications and Adolescent Suicide: Examined birth records of completed suicides by adolescents (PI: Brent, American Suicide Foundation)	08/01/1996- 07/31/1998
Striatal Disruption in ADHD. Examined behavioral and brain development in children who had a history of intraventricular hemorrhage. PI (John Merck Scholars Award)	04/01/1997- 03/31/2001
Neuroimaging Study of Previously Institutionalized Children Adopted to the US: Application formed the basis for NIMH ROI follow-up study of these children. PI (MacArthur Foundation/NIMH)	10/01/2000- 09/30/2010
Neural Correlates of Attention Deficits in ASD: Uses fMRI to examine biological substrates of attentional deficits in children with autism spectrum disorders. Co-Sponsor (PI Eigsti, NARSAD)	2005-2007
Parallel Rodent and Human Imaging Studies of Stress: This project uses histology in the rat and fMRI in the human to understand the cognitive and neural basis for attention switching deficits during, and recovery following, stress. Co-Mentor (PI Liston, Soros Fellowship)	2006-2008
Effects of genetic and environmental factors on learning across development. This project uses human and mouse genetics to examine genetic and environmental factors that influence learning at different developmental stages. Mouse histology and human neuroimaging methods help constrain biological models of learning. PI (Sackler/NIMH)	2008-2013

Adolescent Decision Making related to Criminal Activity. Assessment of adolescent brain and behavioral development using fMRI, DTI and MRI to understand decisions in the heat of the moment. PI (MacArthur)	2012-2016
Threat Perception in "Out-group" Encounters. Assessment of impulsive action under sustained threat to "out-group" cues and underlying neural circuitry using fMRI, DTI and MRI. PI (MacArthur)	2015-2016

Current percent effort	%	Does the activity involve WMC students/researchers? (Yes/No)
Teaching	10	Yes
Clinical Care		N/A
Administration	20	Yes
Research	70	Yes
Total	100%	

**G. RESEARCH SUPPORT (past and present)**

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH K01 MH01297	\$562,568	08/01/96-04/30/01	Casey, BJ

*Individual's role in project including percent effort*  
Principal Investigator - completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH P01 MH41712	\$510,000	09/01/97-08/31/02	Ryan, N

*Individual's role in project including percent effort*  
Principal Investigator of Project IV - completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH P50 MH62196	\$558,771	09/01/00-08/31/05	Cohen, JD

*Individual's role in project including percent effort*  
Principal Investigator of Project IV - completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH R01 MH63255	\$1,223,891	05/01/01-04/30/06	Casey, BJ

*Individual's role in project including percent effort*

Principal Investigator - completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH R01 MH64166	\$180,000	05/01/02-04/30/05	Casey, BJ

*Individual's role in project including percent effort*  
Principal Investigator - completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIDA R21 DA15882	\$300,000	07/01/02-06/30/05	Casey, BJ

*Individual's role in project including percent effort*  
Principal Investigator - completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH R01 MH65653	\$329,167	02/01/02-01/31/08	Alexopolous, G

*Individual's role in project including percent effort*  
Co-Investigator – completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH R01 MH73175	\$1,419,058	07/23/04-05/31/10	Casey, BJ

*Individual's role in project including percent effort*  
Principal Investigator – completed.

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIDA R01DA018879	\$1,250,000	10/14/04-09/30/11	Casey, BJ

*Individual's role in project including percent effort*  
Principal Investigator - completed.

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH R25 MH060478	\$249,817	09/01/04-08/31/11	Casey, BJ

*Individual's role in project including percent effort*  
Co- Principal Investigator – completed.

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH P50 MH062196	\$629,683	09/01/05-08/31/11	Cohen, JD

*Individual's role in project including percent effort*  
Principal Investigator of Project IV - completed.

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NSF 06-509	\$446,234	09/16/06-09/15/11	Shoda, Y

*Individual's role in project including percent effort*  
Co-Investigator - completed.

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NSF 0720932	\$266,031	10/01/07-09/30/10	Weber, E

*Individual's role in project including percent effort*  
Co-Investigator - completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIMH P50 MH 079513	\$10,000,000	05/01/08-04/30/13	Casey, BJ

*Individual's role in project including percent effort*  
Program Director - completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NICHHD T32 HD055177	\$ 1,117,247	5/01/08-04/30/13	Finlay, Barbara

*Individual's role in project including percent effort*  
CoPI – completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NIDA RC2 DA029475	\$ 322,630	9/30/09-08/31/13	Jernigan, T

*Individual's role in project including percent effort*  
UCSD Co-I, WCMC site PI – completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
NICHHD R01 HD069178	\$ 560,544	9/30/10-08/31/16	Oschner, K Columbia U



*Individual's role in project including percent effort*  
Co-I 10% effort

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
MacArthur Foundation	\$ 561,250	1/1/13-6/30/15	Casey, BJ

*Individual's role in project including percent effort*  
PI – completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
1 R056 DK097399-01	\$ 38,311	9/24/12-8/31/13	Mayer, L Rosenbaum, M NYSPI, Columbia U

*Individual's role in project including percent effort*  
Co-I – completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
1 R01 DK097399	\$313,620	12/1/13-11/30/18	Mayer, L Rosenbaum, M NYSPI, Columbia U

*Individual's role in project including percent effort*  
Co-I – 10% effort

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
MacArthur Foundation	\$ 558,924	10/1/14-9/30/15	Casey, BJ

*Individual's role in project including percent effort*  
PI – completed

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
1 R21 MH103650	\$ 59,761	04/1/14-05/31/16	Broft, A NYSPI, Columbia U

*Individual's role in project including percent effort*  
Co-I – 10% effort

<i>Source</i>	<i>Amount</i>	<i>Duration of support</i>	<i>Name of Principal Investigator</i>
1 U01 DA041174	\$10,362,380	9/30/15-09/29/20	Casey, BJ

*Individual's role in project including percent effort*  
PI – 20% effort

<i>Source</i>	<i>Amount</i>	<i>Duration of support</i>	<i>Name of Principal Investigator</i>
1 U24 DA041123	\$125,000	10/1/15-09/30/20	Dale, A UCSD

*Individual's role in project including percent effort*  
Co-I – 10% effort

<i>Source</i>	<i>Amount</i>	<i>Date (duration of support)</i>	<i>Name of Principal Investigator</i>
MacArthur Foundation	\$ 500,924	10/1/15-9/30/16	Casey, BJ

*Individual's role in project including percent effort*  
PI – 10% effort

## **H. EXTRAMURAL PROFESSIONAL RESPONSIBILITIES**

### **Advisory Committees:**

MIND Institute, UC-Davis	1998-2010
MacArthur/McDonnell Network on Early Experience and Brain Dev.	1998-2001
NIMH Center External Advisory Board, UCLA	2006-2011
NIMH Board of Scientific Counselors	2006-2011
NARSAD/BBRF Scientific Council	2006-present
NIH Neuroscience Blue Print on Neurodevelopment- Co-Chair	2006
NIMH Blue Print on Neurodevelopment Committee Member	2008
NIMH PTSD Search Committee	2009-2010
NIMH Neurodevelopment Search Committee	2009-2010
IOM Committee on the Science of Risk Taking	2008-2009
Board for Children Youth and Families	2009-2012
IOM Committee on Juvenile Justice Reform	2010-2012
New Vision Schools HUM/AMS Board NY	2011-2012
IOM Committee on Sports Related Concussions in Youth	2012-2014
MacArthur Law and Neuroscience Network	2012-2013
NIMH National Advisory Mental Health Council	2012-2015
Human Connectome Project, Lifespan Advisory Board	2013-present
Conte Center UC-Irvine, External Advisory Board	2014-present
NCRAN ABCD Workshop Committee	2014-2019
NIDA DCNBR Review Committee	2014-2015
NIH Search Committee for NIMH Director	2015-2016
UConn IGERT advisory panel	2014-present
Consortium on Individual Development (CID), The Netherlands	2014-present
Hotchkiss Brain Institute Expert Advisory Committee	2016-present
External Advisory Panel Chair for the Lifespan HCP Aging and Development	2016-present

### **Grant/Protocol Reviewer:**

NIMH-BBPP4 committee member	1999-2004
NIMH-ad hoc extramural grant applications	1998-2012
NIMH-ad hoc intramural protocols and programs	2002-2012
NINDS-ad hoc extramural grant applications	2002
National Science Foundation	2002
The Israel Science Foundation	1998-2005
MIND Institute	2002
National Alliance for Autism Research	2004
Cure Autism Now	2012
NIMH Conte Center Review Committee	2013
Simons Foundation	2013

### **Award Selection Committees**

WCMC Research Award Committee	2005-2010
SFN Young Investigator Award	2009-2010
Mortimer D. Sackler M.D. Prize	2010-present
SFN Donald B. Lindsley Prize in Behavioral Neuroscience	2014-present
WGSMS Graduate Student Award Committee	2015-present
APS Fellows	2014-present

### **Editorial Boards:**

Developmental Science	2002-2013
Pediatric Neuroscience	2002-present
Journal of Cognitive Neuroscience	2008-present
Journal of the American Association for Child & Adolescent Psychiatry	2010-present
	2010-present

Biology of Mood and Anxiety Disorders

**Guest Editor**

<i>Developmental Science</i>	2002
<i>Developmental Psychobiology</i>	2002
<i>Mental Retardation and Developmental Disabilities Research Reviews</i>	2003
<i>Cognitive, Affective and Behavioral Neuroscience</i>	2005
<i>Biological Psychiatry</i>	2011
<i>Current Directions in Psychological Sciences</i>	2013
<i>Developmental Neuroscience</i>	2014

**Journal Refereeing**

*American Journal of Psychiatry*  
*Archives of General Psychiatry*  
*Biological Psychiatry*  
*Child Development*  
*Cognition*  
*Cognitive Brain Research*  
*Cognitive, Affective and Behavioral Neuroscience*  
*Current Directions in Psychological Science*  
*Developmental Cognitive Neuroscience*  
*Developmental Neuroscience*  
*Developmental Psychobiology*  
*Developmental Science*  
*Human Brain Mapping*  
*Journal of the American Association for Child & Adolescent Psychiatry*  
*J of the International Neuropsychological Society*  
*Journal of Cognitive Neuroscience*  
*Journal of Neuroscience*  
*Mental Retardation and Developmental Disabilities Research Reviews*  
*Nature*  
*Nature Neuroscience*  
*Nature Neuroscience Reviews*  
*Neuroimage*  
*Neuron*  
*Neuropsychologia*  
*Neuropsychology*  
*PLOS One*  
*PNAS*  
*Psychonomic Bulletin & Review*  
*Psychological Bulletin*  
*Psychological Science*  
*Psychophysiology*  
*Science*  
*The Journal of Abnormal Child Psychology*  
*The Journal of Child Psychology and Psychiatry and Allied Disciplines*  
*The Journal of Pediatrics*  
*Cognitive Developmental Neuroscience*

**Outreach and Training:**

Directed John Merck Fund Summer Institute on the Biology of Developmental Disabilities (now the Mortimer D. Sackler, M.D. Summer Institute-see below)	2001-2010
Educating Judges, "Human Brain Development, Law and Public Policy" ASTAR	2007

invited speaker, Johns Hopkins University	
Direct The Mortimer D. Sackler, M.D. Summer Institute on Translational Developmental Neuroscience	2012-present
American Board Association "Developmental Neuroscience and Juvenile Justice" invited speaker, Chicago, IL	2013
Models for Change "The Adolescent Brain, Accountability and Diminished Responsibility" Invited Speaker, Washington, DC	2013
Colloquium for Federal Judges "Law, Neuroscience and Criminal Justice" Invited Speaker	2013
Washington State Supreme Court Symposium, Invited Speaker	2014
American Museum of Natural History, Speaker	2014
National Bar Association's Judicial Conference	2014
NYC Department of Probation Professional Development Day, Keynote Speaker	2014
VERA Institute of Justice, Invited Speaker on Capital Hill	2014
American Museum of Natural History, Chaired Symposium on Origins of the Mind and Mental Illness: From Circuits to Behavior	2015
Relevance of Law and Neuroscience for Judges, Vail, Colorado	2015
NYC District Judges, When is an Adolescent an Adult? New York, NY	2016
<b>Media Coverage:</b>	
Adolescent brain and the implications of her research in understanding depression and anxiety in the <i>PBS special, D: Out of the Shadows</i> .	2008
<i>National Geographic</i> features work on the adolescent brain in <i>Beautiful Brains</i> by David Dobbs.	2011
Relax- teens are designed to be difficult, published in <i>The Sunday Times</i> by Kevin Dowling.	2011
Interviewed on <i>NPR Talk of the Nation: Understanding the Mysterious Teenage Brain</i> .	2011
Media coverage of Casey et al PNAS study of the marshmallow test revisited after forty years in:	2011
<i>New York Times</i>	
<i>New York Daily News</i>	
<i>Science News</i>	
<i>PsychCentral</i>	
<i>Times in India</i>	
<i>Live Science</i>	
<i>Science Daily</i>	
<i>Orlando Sentinel</i>	
<i>Parenting Bulletin</i>	
<i>Cornell Daily Sun</i>	
<i>TIME magazine</i>	
<i>USA Today</i>	2012
<i>NPR: Research Highlights Strengths of Adolescent Brain</i>	2012
<i>Science News for Kids: The teenage brain</i>	2012

<i>Discovery News: The Teen Brain on Rage: How it's Different</i>	2012
<i>Wall Street Journal article, What's Wrong With the Teenage Mind?</i>	2013
<i>NPR: The Case Against Brain Scans As Evidence In Court</i>	2013
<i>Science Magazine: Why Teenagers Are So Impulsive</i>	2013
<i>Bloomberg News: Stress of Childhood Poverty May Have Long Effect on Brain</i>	2013
<i>Discovery News: The Teenage Brain on Rage: How It's Different</i>	2013
<i>Live Science: Secret to Self-Control: A More Efficient Brain?</i>	2013
<i>New York magazine: Why You Truly Never Leave High School</i>	2014
<i>New York Times: Why Teenagers Act Crazy</i>	2014
<i>Nature: Teen Drug use gets Supersize Study</i>	2015
<i>Psychology Today: Adolescence and the College Search</i>	2015
<i>Philadelphia Inquirer: Teens' Immature Brains pose all sorts of problems</i>	2015
<i>NY Times: The Feel Good Gene</i>	2015
<i>NPR: This is a 12 year old brain on peer pressure</i>	2015
<i>Brain Decoder: The teenage brain undergoes massive change</i>	2015
<i>San Diego Union-Tribune highlights NIH funded study to follow 10,000 teens</i>	2015
<i>Newsweek: Similarities between Teen and Young Adult brain</i>	2016
<i>PBS News hour: Is this mutation causing your teenagers anxiety</i>	2016
<i>Live Science: Anxiety risk linked gene.</i>	2016
<i>IB Times: Anxious teenager common genetic variant</i>	2016
<i>UK News: Anxious teenager common genetic variant</i>	2016
<i>Fox News: High anxiety in adolescence linked to single gene.</i>	2016

## **I. BIBLIOGRAPHY**

Peer Reviewed Articles (Web of Science H-Index = 68, Google Scholar H-Index-79)

1. **Casey, B.J.** & Richards, J.E. (1988). Sustained visual attention in young infants measured with an adapted version of the visual preference paradigm. *Child Dev*, 59, 1514-1521.
2. **Casey, B.J.** & Richards, J.E. (1991). A refractory period for the heart rate response during infant visual attention. *Developmental Psychobiology*, 24, 327-340.
3. Richards, J.E. & **Casey, B.J.** (1991). Heart rate variability during attention phases in young infants. *Psychophysiology*, 1991; 28, 43-53.
4. **Casey, B.J.**, Gordon, C.T., Mannheim, G., & Rumsey, J.M. (1993). Attentional dysfunction in calendar calculating savants. *J of Clin and Exptl Neuropsych*, 15, 933-46.
5. Swedo, S.E., Leonard, H.L., Schapiro, M.B., **Casey, B.J.**, Mannheim, M.D., Lenane, M.C., & Rettew, D.C. (1993). The psychological sequelae of Sydenham's chorea. *Pediatrics*, 91, 706-713.
6. **Casey, B. J.**, Vauss, Y., & Swedo, S.E. (1994). Attentional functioning in Sydenham's chorea: A basal ganglia disorder. Part I. *Developmental Neuropsychology*, 10, 75-88.
7. **Casey, B.J.**, Vauss, Y., Chused, A., & Swedo, S.E. (1994). Executive functioning in Sydenham's chorea: A basal ganglia disorder: Part II. *Dev Neuropsy*, 10:89-96

8. Cohen, J.D., Forman, S.D., Braver, T.S., **Casey, B.J.**, Servan-Schreiber, D., & Noll, D.C. (1994). Activation of prefrontal cortex in a non-spatial working memory

*task with functional MRI. Human Brain Mapping, 1, 293-304.*

9. Giedd, J., Castellanos, X., **Casey, B.J.**, Kozuch, P., Vaituzis, C.K., Hamburger, S., & Rapoport, J.L. (1994). MRI correlates of ADHD. *Amer J Psychia*, 151, 665-9. George, M. S., Ketter, T.A., Parekh, P.I., Rosinsky, N., Ring, H., **Casey, B J** et al. (1994). Regional brain activity when selecting a response despite interference: An O-15 PET study of an emotional Stroop. *HBM*, 1, 194-209.
10. Schneider, W., **Casey, B.J.**, & Noll, D. (1994). Functional MRI mapping of stimulus rate effects across visual processing stages. *Human Brain Map*, 1, 117-33.
11. **Casey, B.J.**, Cohen, J.D., Jezzard, P., Turner, R., Noll, D., Trainor, R., Giedd, J., Kaysen, D., Hertz-Pannier, L., & Rapoport, J.L. (1995). Activation of PFC in children during a non-spatial working memory task with functional MRI. *Neuroimage*, 2, 221-229.
12. **Casey, B.J.** & Cohen, J.D. Reply to Letter: Is Research in Normal and Ill Children Involving Radiation Exposure Ethical? *Archives of General Psychiatry*, 1996; 53, 1059-1060.
13. Giedd, J., Snell, J.W., Lange, N., Rajapakse, J.C., **Casey, B.J.**, Kaysen, D., Vaituzis, C.K., Vauss, Y.C., Hamburger, S., Kozuch, P., & Rapoport, J.L. (1996). Quantitative MRI of human brain development: ages 4 to 18 years. *Cerebral Cortex*, 6, 551-560.
14. **Casey, B.J.**, Giedd, J., Vauss, Y., Vaituzis, C., Hamburger, S., Kozuch, P., Trainor, R., & Rapoport, J. L. (1997). The role of the anterior cingulate in automatic and controlled attentional processes: a dev. neuroanatomical study. *Dev Psychobio*, 30, 61-9.
15. **Casey, B.J.**, Castellanos, X., Giedd, J., Marsh, W., Hamburger, S., Schubert, A., Vauss, Y., Vaituzis, C., Dickstein, D., Sarfatti, S., & Rapoport, J. L. (1997). Involvement of right frontostriatal circuitry in response inhibition deficits of Attention Deficit Hyperactivity Disorder. *J of the Amer Academy for Child and Adolescent Psychiatry*, 36, 374-383.
16. **Casey, B.J.**, Trainor, R.J., Orendi, J.L., Schubert, A.B., Nystrom, L. E., Cohen, J.D, Noll, D.C., Giedd, J., Castellanos, X., Haxby, J., Forman, S.D., Dahl, R.E., & Rapoport, J.L. (1997). A pediatric functional MRI study of prefrontal activation during performance of a Go-No-Go task. *Journal of Cognitive Neuroscience*, 9, 835-847.
17. **Casey, B.J.**, Cohen, J.D., Davidson, R., Hu, X., Lowe, M., Nelson, C., Noll, D.C., O'Craven, K., Rosen., B., Savoy, R., Truwitt, C., & Turski, P. (1998). Reproducibility of fMRI results across four institutions using a working memory task. *Neuroimage*, 8, 249-261.
18. De Bellis, M.D., Keshavan, M.S., Clark, D.B., **Casey, B.J.**, Giedd, J.N., Boring, A.M., Frustaci, K., Ryan, N.D.(1999). Developmental traumatology part II: brain development. *Biological Psychiatry*, 45(10), 1271-84. A. E. Bennett Research Award.
19. Thomas, K.M., King, S.W., Franzen, P.L., Welsh, T.F., Berkowitz, A.L., Noll, D.C., Birmaher, V., and **Casey, B.J.** (1999). A developmental functional MRI study of spatial working memory. *Neuroimage*, 10, 327-338.
20. **Casey, B.J.**, Giedd, J.N., and Thomas, K.M. (2000). Structural and functional brain development and its relation to cognitive development. *Biol Psychology*, 54, 241-257.
21. **Casey, B.J.**, Thomas, K. M., Welsh, T. F., Badgaiyan, R., Eccard, C. H., Jennings, J. R., & Crone, E. A. (2000). Dissociation of response conflict, attentional control, and expectancy with functional magnetic resonance imaging (fMRI). *Proc Natl Acad Sci USA.*, 97, 8728-8733.
22. De Bellis, M. D., **Casey, B.J.**, Dahl, R., Birmaher, B., Williamson, D., Thomas, K. M., Axelson, D. A., Frustaci, K., Boring, A. M., Hall, J., Ryan, N. (2000). A pilot study of amygdala volume in Pediatric Generalized Anxiety Disorder. *Biological Psychiatry* 2000; 48, 51-7.



23. **Casey, B.J.**, Forman, S.D., Franzen, P., Berkowitz, A., Braver, T.S., Nystrom, L.E., Thomas, K.M. & Noll, D.C. (2001). Sensitivity of prefrontal cortex to changes in target probability. *Human Brain Mapping*, 13, 26-33.
24. **Casey, B.J.**, Durston, S. & Fossella, J. A. (2001). Mechanistic Model of Cognitive Control: Clinical, Neuroimaging, and Lesion Studies. *Clinical Neurosci Research*, 1, 267-282.
25. Thomas, K.M., Drevets, W.C., Whalen, P.J., Eccard, C.H., Dahl, R.E., Ryan, N.D. & **Casey, B.J.** (2001). Amygdala response to facial expressions in children and adults. *Bio Psychiatry*, 49, 309-316.
26. Durston S., Hulshoff Pol H.E., **Casey B.J.**, Giedd J.N., Buitelaar J.K., Van Engeland H. (2001). Anatomical MRI of the developing human brain: what have we learned. *Journal of the American Academy for Child and Adolescent Psychiatry*, 40, 1012-1020.
27. Thomas, K.M., Drevets, W.C., Dahl, R.E., Ryan, N.D., Birmaher, B., Eccard, C.H., Axelson, D., Whalen, P.J., & **Casey, B. J.** (2001). Abnormal amygdala response to faces in anxious and depressed children. *Archives of General Psychiatry*, 58, 1057-1063.
28. **Casey, BJ**, Tottenham, N. & Fossella, J. (2002). Clinical, lesion, imaging and genetic approaches to the study of inhibitory mechanisms of attention. *Devl Psychobiology*, 40, 237-254.
29. **Casey, B.J.**, Davidson, M. & Rosen, B. (2002). The Basics of fMRI and its application to developmental science. *Developmental Science*, 5, 301-309.
30. **Casey, B.J.**, Thomas, K.M., Davidson, M.C., Kunz, K. & Franzen, P.L. (2002). Dissociating Striatal and Hippocampal Function Developmentally with a Stimulus-Response Compatibility Task. *J. Neuroscience*, 22, 8647-8652.
31. Durston, S., Thomas, K.M., Worden, M.S., Yang, Y., **Casey, B.J.** (2002). An fMRI study of the effect of preceding context on inhibition. *Neuroimage*, 16, 449-453.
32. Durston, S., Thomas, K.M., Yang, Y., Ulug, A.M., Zimmerman, R. & **Casey, B.J.** (2002). A neural basis for development of inhibitory control. *Developmental Science*, 5, 9-16.
33. Durston, S., Tottenham, N. Thomas, K.M., Davidson, M.C., Eigsti, I-M, Yang, Y., Ulug, A.M. & **Casey, B.J.** (2003). Differential patterns of striatal activation in young children with and without ADHD. *Biological Psychiatry*, 53, 871-878.
34. Durston, S., Davidson, M.C., Thomas, K.M., Worden, MS, Tottenham, N., Martinez, A, Watts, R, Ulug, AM & **Casey, B.J.** (2003). Parametric Manipulation of Conflict and Response Competition using rapid mixed-trial event-related fMRI. *Neuroimage*, 20, 2135-2141.
35. Fossella, J.A., Bishop, S. & **Casey, B.J.** (2003). Exploring Genetic Influences on Cognition: Emerging Strategies for Target Validation and Treatment Optimization. *Current Drug Targets - CNS & Neurological Disorders*, 2, 357-362.
36. **Casey, B.J.**, Davidson, M.C., Hara, Y., Thomas, K.M., Martinez, A., Galvan, A., Halperin, J.A., Rodríguez-Aranda, C.E. & Tottenham, N. (2004). Early development of subcortical regions involved in noncued attention switching. *Developmental Science*, 7, 534-542
37. Davidson, M.C., Horvitz, J.C., Tottenham, N., Fossella, J.A., Watts, R., Ulug, A.M., **Casey, B.J.** (2004). Investigation of neural circuitry modulated by stimulus predictability. *Neuroimage*, 23, 1039-1045.
38. Forman, S.D., Dougherty, G.G., **Casey, B.J.**, Siegle, G.J., Braver, T., Barch, D.M., Stenger,

V.A., Wick-Hull, C., Pisarov, L.A., Lorensen, E. (2004). Opiate addicts lack error-dependent activation of rostral anterior cingulate. *Biological Psychiatry*, 55, 531-537.

39. Munakata, Y., **Casey, B.J.**, & Diamond, A. *Developmental cognitive neuroscience: Progress and potential. Trends in Cognitive Sciences*. 2004; 8: 122-127.
40. Amso, D, Davidson. MC, Johnson, SP, Glover, G, **Casey, B.J.** (2005). Contributions of the Hippocampus and the Striatum to Simple Association and Frequency-Based Learning. *Neuroimage*, 27:291-298.
41. Durston S, Fossella, JA, **Casey, B.J.**, Hulshoff Pol, HE, Galvan, A, Schnack, HG, Steenhuis, MP, Minderaa, RB, Buitelaar, JK, Kahn, RS, van Engeland, H. (2005). Differential effects of DRD4 and DAT1 genotype on fronto-striatal gray matter volumes in a sample of subjects with Attention Deficit Hyperactivity Disorder, their unaffected siblings and controls. *Molecular Psychiatry*, 10 (7), 678-85.
42. Galvan, A, Hare, T, Spicer, J, Davidson, M, Glover, G & **Casey, B.J.** (2005). The role of basal ganglia thalamocortical circuitry in reward magnitude-based learning. *Journal of Neuroscience*, 25(38), 8650–8656.
43. Hare, TA & **Casey, B.J.** (2005). The neurobiology and development of cognitive and affective control. *Cognition, Brain, Behavior*, 9, 273-285.
44. Hare, TA, Tottenham, N, Davidson, MC, Glover, GH & **Casey, B.J.** (2005). Contributions of amygdala and striatal activity in emotion regulation. *Biological Psychiatry*, 57, 624–632
45. Ladouceur, C.D., Dahl, R.E., Williamson, D.E., Birmaher, B., Ryan, N.D., & **Casey, B.J.** (2005). Altered emotional processing in pediatric anxiety, depression, and comorbid anxiety-depression. *Journal of Abnormal Child Psychology*, 33(2), 165-177.
46. Nigg, J. & **Casey, B.J.** (2005). An integrative theory of attention-deficit/ hyperactivity disorder based on the cognitive and affective neurosciences. *Dev and Psychopath*, 17, 785-806.
47. Noble K.G., Tottenham N., **Casey B.J.** (2005). Neuroscience perspectives on disparities in school readiness and cognitive achievement. *Future Child*, 15(1), 71-89.
48. Zhang, L., Thomas, K.M., Davidson, M.C., **Casey, B.J.**, Heier, L.A., Ulug, A.M. (2005). MR Quantitation of Volume and Diffusion Changes in the Developing Brain. *Amer J Neuroradi*, 26, 45-49.
49. Amso, D. & **Casey, B.J.** (2006). Beyond what develops when: neuroimaging may inform how cognition changes with development. *Current Directions in Psychological Science*, 15(1), 24-29.
50. Bishop, S.J., Cohen, J.D., Fossella, J.A., **Casey, B.J.** & Farah, M.J. (2006). COMT genotype influences prefrontal response to emotional distraction. *Cognitive, Affective and Behavioral Neurosciences*, 6(1), 62-70
51. Durston, S. & **Casey, B.J.** (2006). What have we learned about cognitive development from neuroimaging? *Neuropsychologia*, 44(11), 2149-2157.
52. Durston, S., & **Casey, B.J.** (2006). A Shift from Diffuse to Focal Cortical Activity with Development: the authors' reply. *Developmental Science*, 9:1, 18-20.
53. Durston, S., Davidson, M.C., Tottenham, N., Galvan, A., Spicer, J., Fossella, J.A. & **Casey, B.J.** (2006). A shift from diffuse to focal cortical activity with development. *Developmental Science*, 9:1, 1-8.
54. Durston, S., Mulder, M., **Casey, B.J.**, Ziermans, T. & van Engeland, H. (2006). Activation in

ventral prefrontal cortex is sensitive to genetic vulnerability for ADHD. *Biological Psychiatry*, 60(10), 1062-70.

55. Eigsti, I-M, Zaya, V, Mischel, W, Shoda, Y, Ayduk, O, Dadlani, MB, Davidson, MC, Aber, JL & **Casey, B.J.** (2006). Attentional control in preschool predicts cognitive control at age eighteen. *Psychological Science*. 17(6), 478-84.
56. Galvan, A, Hare, T, Parra, CE, Penn, J, Voss, H, Glover, G & **Casey, B.J.** (2006). Earlier development of the accumbens relative to Orbitofrontal cortex may underlie risk taking in adolescence. *Journal of Neuroscience*, 26(25), 6885-6892.
57. Kotsoni, E, Byrd, D & **Casey, BJ** (2006). Special Consideration for functional magnetic resonance imaging of Pediatric Populations. *Journal of Magnetic Resonance* 2006 Jun;23(6):877-86. PMID: PMC3014526
58. Ladouceur CD, Dahl RE, Williamson DE, Birmaher B, Axelson DA, Ryan ND, **Casey BJ.** (2006). Processing emotional facial expressions influences performance on a Go/NoGo task in pediatric anxiety and depression. *J Child Psychol Psychiatry*. 47(11), 1107-15.
59. Liston, C, Watts, R, Tottenham, N, Davidson, M, Niogi, M, Ulug, A & **Casey, B.J.** (2006). Frontostriatal microstructure predicts individual differences in cognitive control. *Cerebral Cortex*, 16:4, 553-560.
60. Liston, .C, Matalon, S., Hare, T.A., Davidson, M.C., **Casey, B.J.** (2006). Anterior cingulate and posterior parietal cortices are sensitive to dissociable forms of conflict in a task-switching paradigm. *Neuron*, 50(4):643-53. PMID: 16701213
61. Scerif, G., Worden, M.I., Yu, J., **Casey, B.J.** (2006). Context modulates early stimulus-processing when resolving stimulus-response conflict. *J of Cog Neurosc.* 18:5, 781-792.
62. Spicer, J., Galvan, A., Hare, T.A. Voss, H., Glover, G. & **Casey, B.J.** (2006). Sensitivity of the nucleus accumbens to violations in expectation of reward. *Neuroimage*, 34, 455-9.
63. **Casey, B. J.**, Epstein, J. N., Buhle, J, Liston, C, Davidson, M.C, Tonev, S. T., Spicer, J. , Niogi, Millner, A., S., Reiss, A., Garrett, A., Hinshaw, S.P., Greenhill, L.L., Vitolo, A., Kotler, L.A., Jarrett, M.A., Glover, G. (2007). Contribution of frontostriatal fiber tracts to cognitive control in parent-child dyads with ADHD. *American Journal of Psychiatry*, 164:11, 1729-1736.
64. Durston, S., Davidson, M.C., Mulder, M.J., Spicer, J.A., Galvan, A., Tottenham, N., Scheres, A., Xavier, Castellanos, F., van Engeland, H., **Casey, B.J.** (2007). Neural and behavioral correlates of expectancy violations in attention-deficit hyperactivity disorder. *J Child Psychol Psychiatry*, 48(9), 881-9.
65. Epstein, J. N., **Casey, B. J.**, Tonev, S.T., Davidson, M., Reiss, A., Garrett, A., Hinshaw, S.P., Greenhill, L.L., Glover, G., Vitolo, A., Kotler, L.A., Jarrett, M.A., Spicer, J. (2007). Assessment and prevention of head motion during imaging of patients with Attention Deficit Hyperactivity Disorder. *Psychiatry Research: Neuroimaging*. 155(1), 75-82. PMID: PMC1993908
66. Epstein, J.N., **Casey, B.J.**, Tonev, S.T., Davidson, M., Reiss, A., Garrett, A., Hinshaw, S.P., Greenhill, L.L., Glover, G., Vitolo, A., Kotler, L.A., Jarrett, M.A., Spicer, J. (2007). ADHD-related and medication-related brain activation effects in concordantly affected parent-child dyads with ADHD. *J Child Psychol Psychiatry*, 48(9), 899-913.
67. Galvan, A., Hare, T.A. Voss, H., Glover, G. & **Casey, B.J.** (2007). Risk taking and the adolescent brain: who is at risk? *Developmental Science*, 10(2), F8-F14.

68. Ganzel, B., **Casey, B.J.**, Voss, H.U., Glover, G., & Temple, E. (2007). The aftermath of 9/11: effect of intensity and recency of trauma on outcome. *Emotion*, 7(2), 227-38. PMID: PMC2759706
69. Tottenham, N., Leon, A.C. & **Casey, B.J.** (2007). The face behind the mask: a developmental study. *Developmental Science*, 9(3), 288-94. PMID: PMC2759706
70. **Casey, B.J.**, Getz, S. & Galvan, A. (2008). The adolescent brain and risky decisions. *Developmental Reviews*. 28(1), 62-77. PMID: PMC2500212
71. **Casey, B.J.**, Jones, R., & Hare, T.A. (2008). The adolescent brain. *The Year in Cognitive Neuroscience*, 1124, 111-126. PMID: PMC2475802
72. Durston D., Fossella, J.A., Mulder, M.J., **Casey, B.J.**, Ziermans, T.B., Vessaz, M.N., van Engeland, H. (2008). Dopamine-transporter genotype conveys familial risk for Attention-Deficit/Hyperactivity Disorder through striatal activation. *Journal of the American Academy of Child & Adolescent Psychiatry*, 47(1), 61-67.
73. Garrett, A, Penniman, L, Epstein, J, **Casey, BJ** et al. (2008). Neuroanatomical abnormalities in adolescents with ADHD. *JAACAP*, 47(1), 1321-28. PMID: PMC2664095
74. Hare, T.A., Tottenham, N., Galvan, A., Voss, H.U., Glover, G.H. & **Casey, B.J.** (2008). Biological substrates of emotional reactivity and regulation in adolescence during an emotional go-nogo task. *Biological Psychiatry*, 63, 927-934. PMID: PMC2664095
75. Mulder, M.J., Baeyens, D., Davidson, M.C., **Casey, B.J.**, van der Ban, E., van Engeland, H., Durston, S. (2008). Effects of familial risk for ADHD on neural correlates of expectancy and expectancy violations. *J Am Acad Child Adolesc Psychiatry*, 47(1), 68-75.
76. Hirschtritt ME, Hammond CJ, Luckenbaugh D, Buhle J, Thurm AE, **Casey B.J.** & Swedo SE (2009) Executive and Attention Functioning Among Children in the Pandalas Subgroup *Child Neuropsychol.* 2009 March; 15(2): 179–194.
77. Levita, L., Hare, T., Voss, H., Ballon, D. & **Casey, B.J.** (2009). The bivalent side of the nucleus accumbens. *Neuroimage*, 44(3), 1178-87. PMID: PMC2659952.
78. Liston, C., McEwen, B. & **Casey, B.J.** (2009). Psychosocial stress reversibly disrupts prefrontal processing and attentional control. *Proc Natl Acad Sci USA*, 106, 912-917. PMID: PMC2621252
79. Sheinkopf, S. J., Lester, B. M., Sanes, J. N., Eliassen, J. C., Hutchison, E. R., Seifer, R., et al. **Casey, B.J.** (2009). Functional MRI and response inhibition in children exposed to cocaine in utero. Preliminary findings. *Dev Neurosci*, 31(1-2), 159-166. PMID: PMC2951722
80. Tottenham, N, Tanaka, JW, Leon, AC, McCarry, T, Nurse, M, Hare, TA, Marcus, DJ, Westerlund, A, **Casey, BJ** & Nelson, C. (2009). The NimStim set of facial expressions: Judgments from untrained research participants. *Psychiatry Research* 168 (3) 242-249.
81. **Casey, BJ**, Glatt, CE, Tottenham, N, Soliman, F, Bath, K, Amso, D, Altemus, M, Levitta, L, Jones, R, Thomas, KM, Gunnar, M, Mezey, J, Clark, A, Leon, AC, Hempstead, B, and Lee, FS. (2009). BDNF as a Model System for examining Gene by Environment Interactions across development. *Neuroscience*. 164(1), 108-120. PMID: PMC2760671
82. **Casey, BJ**, Duhoux, S & Cohen, M.M. (2010). Adolescence: what do transmission, transition and translation have to do with it? *Neuron*, 67(5), 749-760. PMID: PMC3014527

83. **Casey, BJ** & Jones, R.M. (2010). *Neurobiology of the Adolescent Brain and behavior: Implications for substance abuse disorders*. *JAACAP* , 49(12), 1189-1201. *PMCID: PMC3099425*
84. **Casey, BJ**, Jones, RM, Levita, L, Libby, V, Pattwell, SS, Ruberry, EJ, Soliman, F & Somerville, L. (2010). *The storm and stress of adolescence: insights from human imaging and mouse genetics*. *Developmental Psychobiology*, 52(3), 225-235. *PMCID: PMC2850961*
85. **Casey, BJ**, Soliman, F, Bath, KG & Glatt, CE. (2010). *Imaging genetics and development: Challenges and Promises*. *Human Brain Mapping*. 31(6), 838-851. *PMCID: PMC3081635*
86. Somerville, L, Jones, R & **Casey, BJ**. (2010). *A time of change: behavioral and neural correlates of adolescent sensitivity to appetitive and aversive environmental cues*. *Brain and Cognition*, 72(1), 124-133. *PMCID: PMC2814936*
87. Somerville, L. H. & **Casey, B.J.** (2010). *Developmental neurobiology of cognitive control and motivational systems*. *Current Opinion in Neurobiology*, 20(2), 236-241. *PMCID: PMC3014528*
88. Soliman, F., Glatt, C.E., Bath, K. G., Levita, L., Jones, R.M., Pattwell, S.S., Jing, D., Tottenham, N., Amso, D., Somerville, L., Voss, H.U., Glover, G., Ballon, D.J., Liston, C., Teslovich, T., van Kempen, T., Lee, F.L. and **Casey, B.J.** (2010). *A Genetic Variant BDNF Polymorphism Alters Extinction Learning in Both Mouse and Human*. *Science*, 327, 864-866. *PMCID: PMC2829261*
89. Somerville, L & **Casey, BJ** (2010) *Developmental neurobiology of cognitive control and motivational systems*. *Current Opinions in Neurobiology* 20(2): 236-241 *NIHMS 174656*
90. Tottenham, N., Hare, T.A., Quinn, B.T., McCarry, T.W., Nurse, M., Gilhooly, T., Milner, A., Galvan, A., Davidson, M.C., Eigsti, I.M., **Casey, B.J.** (2010). *Prolonged institutional rearing is associated with atypically larger amygdala volume and difficulties in emotion regulation*. *Developmental Science*, 13 (1), 46-61. *PMCID: PMC2817950*
91. **Casey, B. J.**, Jones, R. M., & Somerville, L. H. (2011). *Braking and accelerating of the adolescent brain*. *Journal of Research on Adolescence: A Decade in Review Volume 21, Issue 1*, 21–33. *PMCID: PMC3070306*
92. **Casey, B.J.**, Ruberry, E.J., Libby, V., Glatt, C.E., Hare, T., Soliman, F., Duhoux, S., Frieligsdorf, H., Tottenham, N. (2011). *Transitional and translational studies of risk for anxiety*. *Depression and Anxiety*, 28(1), 18-28. *PMCID: PMC3070413*
93. **Casey, B.J.**, Somerville, L.H., Gotlib, H., Ayduk, O., Franklin, N., Askren, M.K., Jonides, J., Berman, M.G., Wilon, N.L., Teslovich, T., Glover, G., Zayas, V., Mischel, W., & Shoda, Y. (2011). *Behavioral and neural correlates of Delay of Gratification 40 years later*. *Proc Natl Acad Sci USA*, 108(36), 14988 – 15003. *PMCID: PMC3169162*
94. Liston C, Malter Cohen M, Teslovich T, Levenson D, **Casey BJ** (2011). *Atypical prefrontal connectivity in ADHD: Pathway to disease or pathological endpoint?* *Biological Psychiatry* 69: 1168-1177. *PMCID: PMC 21546000*
95. Jones, R., Somerville, L.H., Li, J., Ruberry, E., Libby, V., Glover, G., Voss, H., Ballon, D., **Casey, B.J.** (2011). *Behavioral and neural properties of social reinforcement learning*. *The Journal of Neuroscience*, 31(37), 13039 – 13045. *PMCID: PMC21917787*.
96. Mischel, W, Ayduk, Berman, MG, **Casey, BJ**, Gottlib, IH, Jonides, J, Kross, E, Teslovich, T, Wilson, NL, Zayas, V & Shoda, Y. (2011). *Willpower over the life span: decomposing*

self-regulation. *Social Cognitive and Affective Neuroscience: electronic early access*: 2011 6(2): 252-6.

97. *Pattwell, S.S., Bath, K.G., Casey, B.J., Ninan, I., & Lee, F.S. (2011). Selective early-acquired fear memories undergo temporary suppression during adolescence. Proc Natl Acad Sci USA, 108 (3), 1182-1187. PMID: PMC3024661*
98. *Somerville L.H. & Casey B.J. (2011). Response to Moshman, "Adolescents and their teenage brains." Human Development, 54(4), 1-17.*
99. *Somerville, L., Hare, T. & Casey, B.J. (2011). Frontostriatal maturation predicts cognitive control failure to appetitive cues in adolescents. J of Cognitive Neuroscience, 23(9), 2123-2143. PMID: PMC3131482*
100. *Tottenham, N., Hare, T.A., & Casey, B.J. (2011). Behavioral assessment of emotion discrimination, emotion regulation and cognitive control, in childhood, adolescence, and adulthood. Frontiers in Developmental Psychology. PMID: PMC311093*
101. *Tottenham, N., Hare, T.A., Millner, A., Gilhooly, T., Zevin, J.D., & Casey, B.J. (2011). Elevated amygdala response to faces following early deprivation. Developmental Science, 14(2), 190-204. PMID: PMC3050520.*
102. *Bakken TE, Roddey JC, Djurovic S, Akshoomoff N, Amaral DG, Bloss CS, Casey BJ, Chang L, Ernst TM, Gruen JR, Jernigan TL, Kaufmann WE, Kenet T, Kennedy DN, Kuperman JM, Murray SS, Sowell ER, Rimol LM, Mattingsdal M, Melle I, Agartz I, Andreassen OA, Schork NJ, Dale AM, for the Alzheimer's Disease Neuroimaging Initiative, and for the Pediatric Imaging, Neurocognition, and Genetics Study. (2012). Association of common genetic variants in GPCPD1 with scaling of visual cortical surface area in humans. Proceedings of the National Academy of Sciences of the USA, 109(10), 3985-3990.*
103. *Brown, TT, Kuperman, JM, Chung, Y, Erhart, M, McCabe, C, Hagler, JR, DJ, Venkatraman, VK, Akshoomoff, N, Amaral, DG, Bloss, CS, Casey, BJ ...Jernigan, TL & Dale, AM. Neuroanatomical Assessment of Biological Maturity, Current Biology. Volume 22, Issue 18, 25 September 2012, Pages 1693–1698*
104. *Fjell, A.M., Walhovd, K.B., Brown, T.T., Kuperman, J.M., Chung, Y., Hagler, D.J. Jr., Venkatraman, V., Roddey, J.C., Erhart M., McCabe, C., Akshoomoff, N., Amaral, D.G., Bloss, C.S., Libiger, O., Darst, B.F., Schork, N.J., Casey, B.J., Chang, L., Ernst, T.M., Gruen, J.R., Kaufman, W.E., Kenet, T., Frazier, J., Murray, S.S., Sowell, E.R., van Zijl, P., Mostofsky, S., Jernigan, T.L., Dale, A.M.; & the Pediatric Imaging, Neurocognition, & Genetics Study. (2012). Multimodal imaging of the self-regulating developing brain. Proceedings of the National Academy of Sciences, USA 48, 19620-19625.*
105. *Ganzel, B, Casey, BJ, Kim, P, Gilmore, H, Tottenham, N & Temple, E. Stress and the healthy adolescent brain: Evidence for the neural embedding of life events. Development and Psychopathology (2012)*
106. *Hartley CA, McKenna MC, Salman R, Holmes A, Casey BJ, Phelps EA, Glatt CE. Serotonin transporter polyadenylation polymorphism modulates the retention of fear extinction memory. Proc Natl Acad Sci. USA (2012) vol. 109:14, 5493-5498.*
107. *Pattwell, S.S., Duhoux, S., Hartley, C.A. ...Casey, BJ\*, Ninan, Ipe\* & Lee, FS\* (2012). Altered Fear Learning Across Development in Both Mouse and Human. Proc Natl Acad Sci. USA 2012 vol. 109: 40, 16318–16323*
108. *Walhovd, KN, Fjell, Am, Brown, TT, Kuperman, JM, Chung, Y, Hagler, DJ, Roddey, JC, Erhart, M, McCabe, C, Akshoomoff, N, Amaral, D, Bloss, CS, Libiger, O, Schork, NJ, Darst, BF, Casey, BJ et al, (2012) Long-term influence of normal variation in neonatal*

characteristics on human brain development. *Proc Natl Acad Sci U S A*. 109(49): 20089–20094

109. Berman, M.G., Yourganov, G., Askren, M.K., Ayduk, O., **Casey, B.J.**, Gotlib, I., Kross, E., McIntosh, R., Strother, S., Wilson, N.L., Zayas, V., Mischel, W., Shoda, Y., & Jonides, J. (2013). Dimensionality of brain networks linked to life-long individual differences in self-control. *Nature Communications*. 4, 1373.
110. **Casey, BJ** & Caudle, K. (2013). Self Control: The Teen Brain. *Current Directions in Psychological Science* 22 (2), 82-87
111. **Casey, BJ**, Craddock, N, Cuthbert, BN, Hyman, SE, Lee, FS & Ressler, KJ (2013). DSM-5 and RDoC: Progress in psychiatry research. *Nature Reviews*, 14:810-814.
112. Hartley, CA & **Casey, BJ** Risk for anxiety and implications for treatment: developmental, environmental, and genetic factors governing fear regulation (2013) *Annals of the New York Academy of Sciences* 1304 (1), 1-13.
113. Pattwell, S. **Casey, BJ** & Lee, F (2013). Fear learning and memory across adolescent development. *Current Directions in Psychological Science* 22 (2), 146-151.
114. Riddle, MC, McKenna, MC, Yoon, YJ, Pattwell, SS, Santos, PMG, **Casey, BJ** & Glatt, CE (2013) Caloric Restriction Enhances Fear Extinction Learning in Mice. *Neuropsychopharmacology*. 38 (6), 930-937.
115. Somerville, LH, Jones, RM, Ruberry, EJ, Dyke, JP, Glover, G. **Casey, BJ.** (2013) Medial prefrontal cortex and the emergence of self-conscious emotion in adolescence. *Psychological Science* 24 (8), 1554-1562.
116. Drysdale, A.T., Hartley, C.A., Pattwell, S.S., Ruberry, E.J., Somerville, L.H., Compton, S.N. Lee, F.S.\*, **Casey, B.J.\***, Walkup, J.T.\* (2013) Fear and Anxiety from Principle to Practice: Implications for when to treat youth with anxiety disorders. *Biological Psychiatry*, 75(11): e19–e20.
117. Eicher JD, Powers NR, Miller LL, Akshoomoff N, Amaral D, Bloss C, Libiger O, Schork NJ, Darst B, **Casey BJ**, Chang L, Ernst T, Frazier J, Kaufmann W, Keating B, Kenet Tal, Kennedy D, Mostofsky S, Murray S, Sowell E, Bartsch H, Kuperman J, Brown T, Hagler D, Dale A, Jernigan T, St. Pourcain B, Davey-Smith G, Ring SM, Gruen JR. (2013) Genome-Wide Association Study of Shared Components of Reading Disability and Language Impairment. *Genes Brain Behav*. 12 (8), 792-801
118. Malter Cohen, M, Jing, D, Yang, RR, Tottenham, N, Lee, FS, **Casey, BJ** (2013) Early life stress has persistent effects on amygdala function and development in mice and humans. *Proc Natl Acad Sci U S A* 110 (45), 18274-18278
119. Akshoomoff, N. Newman, E. Thompson, WK, McCabe, C, Bloss, CS, Chang, L; Amaral, DG, **Casey, BJ** et al. The NIH Toolbox Cognition Battery: Results from a large normative developmental sample (PING). *Neuropsychology*, Vol 28(1), Jan 2014, 1-10.
120. Teslovich, T., Mulder, M., Franklin, N.T., Ruberry, E., Millner, A., Somerville, L.H., Simen, P., Durston, S., **Casey, B.J.** (2014). Adolescents let sufficient evidence accumulate before making a decision when large incentives are at stake. *Developmental Science*. 17 (1), 59-70. Covered by NPR 2013.
121. **Casey, BJ**, Oliveri, ME & Insel, T (2014) A neurodevelopmental perspective on RDoC. *Biological Psychiatry*. 76:5 350–353.
122. Cohen, AO & **Casey, BJ** (2014) Rewiring juvenile justice: the intersection of developmental

123. Douet, V., Chang, L., Pritchett, A, Lee, K, Keating, B, Bartsch, H., Jernigan, T., Dale, A., Akshoomoff, N, Murray, S., Bloss, C., Kennedy, D., Amaral, D., Gruen, J., Kaufmann, W, **Casey, BJ**, Sowell, E., and Ernst, T (2014). Schizophrenia-risk variant rs6994992 in the neuregulin-1 gene on brain developmental trajectories in typically-developing children. *Translational Psychiatry*. *Transl Psychiatry* (2014) 4, e392; doi:10.1038/tp.2014.41
124. Dreyfuss, M., Caudle, K.L., Drysdale, A.T., Johnston, N.E., Cohen, A.O, Somerville, L.H., Galvan, A, Tottenham, N, Hare, T.A., & **Casey, B.J.** (2014) Teens Impulsively React Rather than Retreat from Threat. *Developmental Neuroscience*. 36:220-227
125. Helfinstein, SM & **Casey, BJ** (2014) Commentary on Spielberg et al., "Exciting fear in adolescence: Does pubertal development alter threat processing?" *Developmental Cognitive Neuroscience* 8 (2014) 96–97
126. Jones, R, Somerville, LH, Li, J, Ruberry, E, Powers, A, Mehta, N, Dyke, J & **Casey, BJ** (2014) Adolescent-specific patterns of behavior and neural activity during social reinforcement learning. *Cognitive, Affective and Behavioral Neuroscience*. 14 (2), 683-697
127. Jones, OD, Bonnie, RJ **Casey, BJ** Davis, et al, *Law and Neuroscience: Recommendations Submitted to the President's Bioethics Commission*, 1(2) *J Law Biosci* 224 (2014).
128. Johnson, DC, **Casey, BJ** (2014). Easy to remember, difficult to forget: The development of fear regulation, *Developmental Cognitive Neuroscience*. DOI: 10.1016/j.dcn.2014.07.006
129. Karmiloff-Smith, A, **Casey, BJ**, Massand, E, Tomalski, P and Thomas, MSC (2014). Environmental and Genetic Influences on Neurocognitive Development: The Importance of Multiple Methodologies and Time-Dependent Intervention. *Clinical Psych Science*, 1-10.
130. Liston, C., Chen, A., Zebley, B.D., Drysdale, A., Gordon, R., Leuchter, B., Voss, H.U., **Casey, BJ**, Etkin, A., & Dubin, M.J. (2014). Default Mode Network Mechanisms of Transcranial Magnetic Stimulation in Depression. *Biological Psychiatry*. Volume 76, Issue 7, 1 October 2014, Pages 517–526
131. Lourenco, F & **Casey, BJ** (2014) Adjusting behavior to changing environmental demands with development *Neuroscience & Biobehavioral Reviews* 37 (9), 2233-2242
132. Silvers, JA Insel, C, Powers, A Franz, P, Weber, J, Mischel, W, **Casey, BJ** & Ochsner, K (2014) Curbing Craving: Behavioral and Brain Evidence That Children Regulate Craving When Instructed to Do So but Have Higher Baseline Craving Than Adults *Psychological Science*. DOI: 10.1177/0956797614546001
133. Teslovich, T, Freidl, EK, ...**Casey, BJ** & Mayer, L (2014) Probing behavioral responses to food: Development of a food-specific go/no-go task, *Psychia Research*, 219:1, 166–170
134. Tottenham, N., Hertzog, M.E., Gillespie-Lynch, K., Gilhooly, T., Millner, A., & **Casey, BJ**. (2014). Elevated amygdala response to faces and gaze aversion in autism spectrum disorder. *Social Cognitive, & Affective Neuroscience*. 14:2, 683-697.
135. Johnson, D & **Casey, BJ** (2014) Easy to remember, difficult to forget: the development of fear regulation. *Developmental Cognitive Neuroscience*. DOI: 10.1016/j.dcn.2014.07.006
136. **Casey BJ** & Durston, S (2014) The impact of stimulants on cognition and the brain in ADHD: What does age have to do with it? *Biological Psychiatry*.



137. Lee, FS, Heimer, H, Giedd, JN, Lein, ES, Sestan, N, Weinberger, D. & **Casey, BJ\*** (2014) Adolescent mental health: An opportunity and an obligation. *Science* 346:547-549.
138. **Casey, B. J.** "Beyond simple models of self-control to circuit-based accounts of adolescent behavior." *Annual Review of Psychology* 66.1 (2015).
139. **Casey, BJ** & Glatt, GE, Lee, FS (2015) Treating the developing versus the developed brain: Preclinical mouse and human studies. *Neuron* 86 (6), 1358-1368
140. **Casey, BJ** & Lee, FS (2015) Optimizing Treatments for Anxiety by Age and Genetics. *Annals of the New York Academy of Sciences*.
141. Dincheva I, Drysdale AT, Hartley CA, Johnson DC, Jing DQ, King EC, Ra S, Gray JM, Yang R, DeGruccio AM, Huang C, Glatt CE, Hill MN, **Casey BJ \*** & Lee FS\* (2015). FAAH genetic variation enhances frontoamygdala function in mouse and human. *Nature Communications*.
142. Gee, D & **Casey, BJ** (2015) The effects of timing and buffering of stressful life events. *Neurobiology of Stress*.
143. Newman, E, Thompson, WK, Bartsch, H, Hagler JR, DJ, Chen, C-H, Brown, TT, Kuperman, JM, McCabe, C, Chung, Y, Libiger, O, Akshoomoff, N, Bloss, CS, **Casey, BJ** et al (2015) Anxiety is related to indices of cortical maturation in typically developing children and adolescents. *Brain imaging and behavior*, 1-11.
144. Heller, A & **Casey, BJ** (2015) Emotion Regulation: It's all in the timing. *Developmental Science*.
145. Jernigan, T, Brown, TT, Hagler Jr., DJ, Akshoomoff, N, Bartsch, H, Newman, E, Thompson, W.K., Bloss, CS, Murray, SS, Schork, N, Kennedy, DN, Kuperman, JM, McCabe, C, Chung, Yoonho, Libiger, O, Maddox, M, **Casey, BJ** et al. (2015) The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. *Neuroimage*.
146. Johnson, D & **Casey, BJ** (2015) Extinction during memory reconsolidation blocks recovery of fear in adolescents. *Nature Scientific Reports*.
147. Lorenzo, F, Decker, JH, Pederson, G, Dellarco, D, **Casey, BJ** & Hartley, C, (2015). Consider the source: peers and adults differentially influence adolescent choices. *PlosOne*.
148. Noble, KG, Houston, SM, Bartsch, H, Kan, E, Kuperman JM, Akshoomoff, N, Bloss, CS, **Casey, BJ** ... Sowell, ER (2015). Family Income, Parental Education and Brain Development in Children and Adolescents. *Nature Neuroscience*.
149. Pattwell, S Liston, C Jing, D, Ninan, I, Yang, RR, **Casey, BJ**, Deisseroth, K, Lee, FS Leveraging dynamic changes in neural circuitry during adolescence to persistently attenuate fear memories. *Under revision*.
150. Powers, A & **Casey, BJ** (2015) The Adolescent Brain and the Emergence and Peak of Psychopathology. *Journal of Infant, Child and Adolescent Psychotherapy*
151. Rasmussen JM, **Casey BJ**, van Erp TGM, Tamm L, Epstein JN, Buss C, Bjork JM, Molina BSG, Velanova K, Mathalon DH, Somerville LH, Swanson JM, Wigal T, Arnold LE, Potkin SG, MTA Neuroimaging Group. (2015) ADHD and Cannabis Use in Young Adults Examined Using fMRI of a Go/NoGo Task. *Brain Imaging and Behavior*.
152. van Duijvenvoorde, A, Huizenga, H., Somerville, L, Delgado, M, Powers, A, Weeda, W, **Casey, BJ**, Weber, E & Figner, B. (2015) Neural correlates of expected risks and returns in risky choice across development *J Neuroscience*.

153. Cohen, AO, Dellarco, DV, Breiner, K, Helio, C, Heller, AS, Rahdar, A, Pedersen, G, Chein, J, Dyke, JP, Galvan, A & **Casey, BJ** (2015) The impact of emotional states on cognitive control circuitry and function, *Journal of cognitive neuroscience*
154. **Casey, BJ**, Galvan, A, Somerville, LH (2016). Beyond simple models of adolescence to an integrated circuit-based account: A commentary. *Developmental Cognitive Neuroscience*
155. Dyke JP, Sondhi D, Voss HU, Yohay K, Hollmann C, Mancenido D, Kaminsky SM, Heier LA, Rudser KD, Kosofsky B, **Casey BJ**, Crystal RG & Ballon D. (2016) Brain region specific degeneration with disease progression in Late Infantile Neuronal Ceroid Lipofuscinosis (CLN2 Disease) *American Journal of Radiology*
156. Jernigan, TL, Brown, TT... **Casey, BJ** ... Dale, A (2016) The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. *Neuroimage*.
157. Cohen, A.O., Breiner, K, Steinberg, L, Bonnie, R.J., Scott, E.S., Taylor-Thompson, K.A., Rudolph, M.D., Chein, J, Richeson, J.A., Heller, A.S., Silverman, M.R., Dellarco, D.V., Fair, D.A., Galvan, A. & **Casey, B.J** When is an adolescent and adult? Assessing cognitive control in emotional and non-emotional contexts, *Psych Science*
158. Gee, DG, Fetcho, R ... Dale, AM, Jernigan, TL, Lee, FS, **Casey, BJ** and PING Consortium (2016) Individual differences in frontolimbic circuitry and anxiety emerge with adolescent changes in endocannabinoid signaling across species, *Proc Natl Acad Sci. USA* .
159. Rudolf, M ... Galvan, A., **Casey, BJ**, Fair, D. (under review) At risk of being risky: the relationship between "brain age" under emotional states and risk preference
160. Silvers, J. A., Insel, C., Powers, A., Franz, P., Helion, C., Martin, R. E., Weber, J., Mischel, W., **Casey, B.J.**, & Ochsner, K. N. (in press). VIPFC-vmPFC-amygdala interactions underlie age related differences in cognitive regulation of emotion. *Cerebral Cortex*.
161. Chang, L, Douet, V, Bloss, CS, Lee, K, Pritchett, A, Jernigan, TL, Ashoomoff, N, Murray, SS, Frazier, J, Kennedy, DN, Amaral, DG, Gruen, J, Kauffman, WE, **Casey, BJ**, Sowell, E & Ernst, T (in press) Gray Matter Maturation and Cognition in Children with Different APOE-epsilon Genotypes. *Neurology*.
162. Pattwell, SS, Liston, C, Ninan, I, Yang, RR, Witztum, J, Murdoch, MH, Dincheva, I, Bath, KG, **Casey, BJ**, Deisseroth, K & Lee, FS (2016) Dynamic changes in neural circuitry during adolescence are associated with persistent attenuation of fear memories. *Nature Communications*, May 26, 2016.

#### Books, Book Chapters and Reviews

1. Richards, J.E. & **Casey, B.J.**, Development of sustained visual attention in the human infant. *The Langfeld Lecture Series: Comparative and Developmental Analyses of Sensory Information 1991*(pp. 30-60) Princeton University Press: Princeton.
2. **Casey, B.J.**, Cohen, J.D., Noll, D., Schneider, W., Giedd, J., & Rapoport, J.L. Functional magnetic resonance imaging: Studies of Cognition. In E.D. Bigler (Ed.) *Handbook of Human Brain Function: Neuroimaging II: Clinical Applications*. 1996 (pp. 299-329). Plenum Press: NY
3. Thomas, K. M. & **Casey, B.J.** Functional magnetic resonance imaging in pediatrics. In P. Bandetinni & C. Moonen (Eds.) *Medical Radiology: Functional Magnetic Resonance Imaging*. 1999; (pp. 513-523) New York, NY: Springer Verlag
4. **Casey, B.J.**, Thomas, K. M., Welsh, T., Livnat, R., & Eccard, C. Cognitive and behavioral

probes of development using functional magnetic resonance imaging. In M. Ernst & J.M. Rumsey (Eds.) *Functional Neuroimaging in Child Psychiatry*. 2000 (pp. 155-168). New York, NY: Cambridge University Press

5. **Casey, B.J.** Development and Disruption of Inhibitory Mechanisms of Attention. In R. S. Siegler & J.L. McClelland (Eds.) *Mechanisms of Cognitive Development: The Carnegie Symposium on Cognition*, 2000 Vol. 28(pp. 155-168). Hillsdale, NJ: Erlbaum.
6. **Casey, B.J., Thomas, K.M., & McCandliss, B.M.** Applications of Magnetic Resonance Imaging to the study of development. In C. A. Nelson and M. Luciana (Eds.) *The Handbook of Developmental Cognitive Neuroscience*, 2001 MIT Press: Cambridge, MA.
7. **Casey, B.J.** (2002) Windows into the Developing Human Brain. *Science*, 296: 1409-1410.
8. **Casey, B.J.** Fossella, J. & Yeung, N. Role of the Anterior Cingulate Cortex in Cognition and Emotion. in V.S. Ramachandran (Ed.) *Encyclopedia of the Human Brain*. 2002 Academic Press: San Diego, CA.
9. **Casey, B.J.** and Munakata, Y. Special Issue on Converging Methods Approach in Developmental Science, Invited Editor, *Developmental Psychobiology*, 2002; 40.
10. **Casey, B.J.** Invited Special Issue on Brain Plasticity, Development and Learning Invited Editor *Mental Retardation and Dev Disabilities Research Reviews*. 2003; Wiley
11. Thomas, K. M. & **Casey, B.J.**, Methods in Developmental Cognitive Neuroscience: MRI, fMRI and ERP. In M. de Haan & MH Johnson (Eds.) *The Cognitive Neuroscience of Development 2003* (pp. 19-41.). East Sussex, UK: Psychology Press.
12. **Casey, B.J.** *Developmental Psychobiology, Review of Psychiatry Series, Volume 23 Editor*, 2004; American Psychiatric Publishing (book).
13. **Casey, B.J.** Frontostriatal and Frontocerebellar Circuitry underlying Cognitive Control in U Mayr, E. Owh & SW Keele (Eds) *Developing individuality in the Human Brain*. 2005; American Psychological Association: Washington, DC.
14. **Casey, B.J.**, Galvan, A & Hare, T Changes in cerebral functional organization during cognitive development. *Current Opinions in Neurobiology*. 2005; 15: 239-244.
15. **Casey, B.J.**, Tottenham, N & Durston, S *Imaging the developing brain: what have we learned about cognitive development?* *Trends in Cognitive Sci*, 2005; 9: 104-110.
16. Noble, K, Tottenham, N & **Casey, B.J.** Neuroscience Perspectives on Disparities in School Readiness and Cognitive Achievement. *Future of Children*. 2005; 15:1-19. Princeton/Brookings
17. **Casey, B.J.**, Amso, D & Davidson, MC (2006). Learning about learning and development with neuroimaging. In M. Johnsons & Y. Munakata (Eds). *Attention and Performance XXI: Processes of Change in Brain and Cognitive Development*. Cambridge, MA: MIT
18. **Casey, B.J.**, Durston, S., Tottenham, N., Spicer, J, Eigsti, I.-M., Galvan, A., Davidson, M.C. & Fossella, J. Disruption of Frontostriatal Circuitry, Dopamine and Cognitive Control in ADHD. In D. Barch (Ed.) *Cognitive and Affective Neuroscience of Psychopathology* Oxford Press (in press)..

19. **Casey, BJ** & Durston, S (2006) *From Behavior to Cognition to the Brain and Back: What Have We Learned From Functional Imaging Studies of ADHD*. *American Journal of Psychiatry* 163(6):957-60
20. Durston, S & **Casey, B.J.** *Imaging Studies of ADHD*. In (Ed.) *Progress in Attention-Deficit/Hyperactivity Disorder Research* (2006).
21. Fossella, JA & **Casey, B.J.** *Genes, Brain and Behavior: Bridging Disciplines*. *Cognitive, Affective and Behavioral Neuroscience* (2006).
22. Kotsoni, E, Byrd, D & **Casey, B.J.** *Special Considerations for fMRI of Pediatric Populations*. *Journal of Magnetic Resonance Imaging* (2006).
23. Scerif, G, Kotsoni, E & **Casey, BJ** *Functional neuroimaging of development*. To appear in Roberto Cabeza and Alan Kingstone, (Eds.) *Handbook on Functional Neuroimaging of Cognition: Second Edition*, MIT Press. (2006).
24. Swanson, J. M., Volkow, N. D., Newcorn, J., **Casey, B.J.**, Moyzis, R., Grandy, D. and Posner, M. 2006. *Attention Deficit Hyperactivity Disorder*. *Encyclopedia of Cognitive Science*. DOI: 10.1002/0470018860.s00416
25. Amso, D., & **Casey, B. J.** (2007). *The development of cognitive control*. *The New Encyclopedia of Neuroscience*. Larry Squire (Ed.). Elsevier.
26. **Casey, BJ**, Nigg, J & Durston, S. *New potential leads in the biology and treatment of ADHD*. *Current Opinions in Neurology*. *Current Opinion in Neurology* (2007).
27. Swanson JM, Kinsbourne M, Nigg J, Lanphear B, Stefanatos GA, Volkow N, Taylor E, **Casey BJ**, Castellanos FX, Wadhwa PD. *Etiologic subtypes of attention-deficit/hyperactivity disorder: brain imaging, molecular genetic and environmental factors and the dopamine hypothesis*. *Neuropsychol Rev*. 2007 17(1):39-59.
28. **Casey, BJ**, Getz, S & Galvan, A *Adolescent Brain Development and Risk-Taking Behavior*. *Reviews in the Neurosciences* (2008)
29. **Casey, BJ** & Durston, S *Cognitive neuroscience approaches to normal and abnormal development*. In D. Charney & E. Nestler's *The Neurobiology of Mental Illness: 3rd edition* (2008)
30. Levita, L, Jones, R & **Casey, BJ**, *BOLD fMRI: An Update with Emphasis on Pediatric Applications*. In M. Ernst & J.M. Rumsey (Eds.) *Functional Neuroimaging in Child Psychiatry*. 2<sup>nd</sup> Edition (2008).
31. **Casey, BJ**, Libby, V & Ruberry, EJ. *Adolescence and Risk for Anxiety and Depression: Insights from Human Imaging to mouse genetics*. In Kendler (ED) *The Dynamic Gene and Mental Health*. Oxford Press (in press).
32. Frielingsdorf, H, Bath, KG, Soliman, F, Difede, J, **Casey, BJ** & Lee, FS (2010). *Variant BDNFVal66Met endophenotypes: Implications for PTSD*. *Annals of NYAS*, 1208 , 150-157.
33. Nigg, J.T., Martel, M.M., Nikolas, M., & **Casey, B.J.** (2010). *Intersection of Emotion and Cognition in Developmental Psychopathology*. In & S.D. Calkins & M.A. Bell (Eds.), *Child Development at the Intersection of Emotion and Cognition* (pp 225-245). Washington, D.C.: American Psychological Association Press.
34. Arnstein, AFT & Casey, BJ. *Prefrontal Cortical Organization and Function: Implications for*

35. **Casey, BJ, Hare, T & Galvan, A** *Decision Making In Adolescents.* M Delgado, E. Phelps & Robbins (Eds). *Attention and Performance: Processes of Change in Brain and Cognitive Development.* Cambridge, MA: MIT (2011)
36. **Casey, BJ, & Riddle, M.** *Typical and atypical development of attention.* In MI Posner's (Ed) *Cognitive Neuroscience of Attention: 2<sup>nd</sup> Edition.* Guilford press 2012)
37. **Casey, BJ, Pattwell, SS, Glatt, CE & Lee, FS** (2013) *Treating the developing brain: Implications from human imaging and mouse genetics.* *Annual Review of Medicine, Volume 64:10.1–10.13.*
38. **Casey, BJ** *The Teen Brain. Editor of Special Issue of Current Directions in Psychological Science* (2013)
39. **Casey, BJ** *Introduction: The Teen Brain. Current Directions in Psychological Science* (2013)
40. **Casey, BJ Franklin, N & Malter Cohen, M.** (2013) *Disorders of cognitive control In P Rakic & J Rubenstein (Eds) Neural Circuit Development and Function in the Healthy and Diseased Brain: Comprehensive Developmental Neuroscience, Vol. 3 Elsevier.*
41. **Casey, BJ, Pattwell, S, Glatt, CE & Lee, FS.** (2013). *Treating the Developing Brain: Implications from Human Imaging and Mouse Genetics Annual Reviews of Medicine. Vol. 64: 427–439*
42. **Caudle, K & Casey, BJ** (2013) *Brain Development and the Risk for Substance Abuse.* In Nestler, E & Charney, D (Eds) *Neurobiology of Mental Illness, 4th Edition.*
43. **Malter Cohen, M & Casey, BJ** (2013) *Translational developmental studies of stress on brain and behavior: Implications for adolescent mental health and illness? Neuroscience.*
44. **Pattwell, S. Casey, BJ & Lee, F** (2013) *Fear learning and memory across adolescent development. Special Issue: Puberty and Adolescence Hormones and Behavior*
45. **Bhide, P, Kosofsky, B, Casey, BJ** *The Teen Brain: Think Differently? Editors of Special Issue of Developmental Science* (2014)
46. **Casey, BJ** (2015). *Beyond Simple Models of Self-Control to Circuit-Based Accounts of Adolescent Behavior. Annual Reviews of Psychology.*
47. **Casey BJ & Galvan, A** (in press) *The Teen Brain: "Arrested Development" in Resisting Temptation.* In T Braver (Ed) *Cognitive Control and Motivation.*
48. **Casey, BJ** (2015). *But would I wait for more pie. A review of Walter Mischel's The Marshmallow Test: Mastering Self-Control. The APS Observer.*
49. **Cohen, A, Bonnie, R & Casey, BJ** (invited). *Young adults react like adolescents under transient and sustained emotional states. Temple Law Review*
50. **Cohen, A & Casey, BJ** (invited). *The neurobiology of adolescent self control. In T Egner (Ed). Handbook of Cognitive Control.*

Abstracts:

- Casey, B.J. & Richards, J.E. (1987). Sustained visual attention in young infants measured with an adapted version of the visual preference paradigm. *Psychophysiology*, 24, 583. (abstract)

- Richards, J.E. & Casey, B.J. (1987). HR-defined phases of visual information processing in infants. *Psychophysiology*, 24, 608. (abstract)
- Casey, B.J. & Richards, J.E. (1988). A refractory period for the heart rate response in infant visual attention. *Psychophysiology*, 25, 439. (abstract)
- Casey, B.J. & Richards, J.E. (1988). Development and stability of infant visual attention. *Infant Behavior and Development*, 11. (abstract)
- Richards, J.E. & Casey, B.J. (1988). Heart rate variability during attention phases in young infants: A model of vagal parasympathetic changes during attention. *Psychophysiology*, 25, 428. (abstract)
- Casey, B.J., Richards, J.E., Rogers, W.A., & Fisk, A.D. (1989). Heart rate and reaction time as indices of automatic and controlled processing. *Psychophysiology*, 26, S18. (abstract)
- Richards, J.E. & Casey, B.J. (1990). Infant visual recognition memory performance as a function of heart rate defined phases of attention. *Infant Behavior and Development*. (abstract)
- Casey, B. J., Giedd, J., Vauss, Y., Vaituzis, C., & Rapoport, J. L. (1992). Selective attention and the anterior cingulate: A developmental neuroanatomical study. *Proceedings of the Society for Neuroscience*. (abstract)
- Casey, B.J., Rumsey, J.M., Gordon, C.T., Mannheim, G., & Rapoport, J.L. (1992). Dysfunctional attention in calendar-calculating savants. *Proceedings of the American Psychological Society*. (abstract)
- Casey, B.J., Cohen, J.D., Noll, D.C., Forman, S., & Rapoport, J.L. (1993). Activation of the anterior cingulate during the Stroop conflict paradigm using functional MRI. *Proceedings of the Society for Neuroscience*. (abstract)
- Cohen, J.D., Forman, S., Casey, B.J., & Noll, D.C. (1993). Spiral-scan imaging of dorsolateral prefrontal cortex during a working memory task. *Proceedings of the Society of Magnetic Resonance in Medicine*. (abstract)
- Cohen, J.D., Forman, S., Casey, B.J., Servan-Schreiber, D.C., Noll, D.C., & Lewis, D.A. (1993). Activation of the dorsolateral prefrontal cortex in humans during a working memory task using functional MRI. *Proceedings of the Society for Neuroscience*. (abstract)
- Casey, B.J., Dobson, V., Scher, M. & Johnson, M. (1994). The effects of intraventricular hemorrhage (IVH) Grades III and IV on visual attention in preterm infants. *Proceedings of the International Conference on Infant Studies*. (abstract)
- Forman, S., Cohen, J.D., Noll, D.C., Mintun, M.A., & Casey, B.J. (1994). Within subject comparison of PET and fMRI to visualize activation of prefrontal cortex. *Proceedings of the Society for Neuroscience*. (abstract)
- Casey, B.J., Cohen, J.D., Jezard, P., Turner, R., Noll, D., Trainor, R., Giedd, J., Kaysen, D., Hertz-Pannier, L., & Rapoport, J.L. (1995). Activation of PFC in children during a working memory task with functional MRI. *Proceedings of the Cognitive Neuroscience Society*. (abstract)
- Casey, B.J., Cohen, J.D., Jezard, P., Turner, R., Noll, D., Trainor, R., Giedd, J., Kaysen, D., Hertz-Pannier, L., & Rapoport, J.L. (1995). Activation of prefrontal cortex in children during a non-spatial working memory task with functional MRI. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)
- Casey, B.J., Trainor, R., Orendi, J., Giedd, J., Castellanos, X, Noll, D., Cohen, J.D , Haxby, J., Jezard, P, & Rapoport, J.L. (1995). Activation of anterior cingulate in children during a response inhibition task with functional MRI. *Proceedings of Neuroscience Society*. (abstract)
- Casey, B.J. (1996). Functional MRI studies of prefrontal cortex during working memory and response inhibition task performance. *Proceedings of the American College of Neuropsychopharmacology*. (abstract).

- Casey, B.J., Cohen, J., Noll, D.C., Trainor, R., Nah, G., Nystrom, L., & Kupfer, D. (1996). A functional MRI study of hierarchical cortical activation. *Proceedings of the Cognitive Neuroscience Society*. (abstract)
- Casey, B.J., Cohen, J.D., Trainor, R.J., Nah, G.E., Nystrom, L.E., Orendi, J.L., Schubert, A.B., & Noll, D.C. (1996). A functional MRI study of hierarchical cortical activation as a function of task complexity. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)
- Casey, B.J., Orendi, J.L., Trainor, R.J., Schubert, A.B., & Noll, D.C. (1996). A functional MRI study of sex differences in prefrontal activation during performance of a Go-No-Go task. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)
- Casey, B.J., Trainor, R., Orendi, J., & Schubert, A. (1996). A functional magnetic resonance imaging (fMRI) study of ventral prefrontal cortex mediation of response inhibition. *Proceedings of the Neuroscience Society*. (abstract)
- Casey, B.J., Trainor, R.J., Orendi, J.L., Schubert, A.B., Nystrom, L. E., Cohen, J.D., & Noll, D.C. (1996). A pediatric functional MRI study of prefrontal activation during performance of a Go-No-Go task. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)
- Orendi, J.L., Trainor, R., Schubert, A.B., Noll, D.C., & Casey, B.J. (1996). Sex differences in activation of prefrontal cortex during a response inhibition task with functional magnetic resonance imaging (fMRI). *Proceedings of the Cognitive Neuroscience Society*. (abstract)
- Trainor, R., Orendi, J.L., Schubert, A.B., Noll, D.C., Cohen, J.D., Nystrom, L., & Casey, B.J. (1996). A developmental functional MRI study of prefrontal activation during performance of a response inhibition task. *Proceedings of the Cognitive Neuroscience Society*. (abstract)
- Casey, B.J., Badgaiyan, R.D., Franzen, P.L., King, S.W., Kye, C., Schubert, A.B., Nystrom, L.E., & Noll, D.C. (1997). Prefrontal activation as a function of response set. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)
- Casey, B.J., Cohen, J.D., King, S.W., Franzen, P.L., Nystrom, L.E., Badgaiyan, R.D., Schubert, A.B., & Noll, D.C. (1997). A developmental study fMRI study of cortical activation during a spatial working memory task. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)
- Casey, B.J., Forman, S.D., Franzen, P.L., Badgaiyan, R.D., King, S.W., Braver, T.S., Cohen, J.D. & Noll, D.C. (1997). Prefrontal activation as a function of response set. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)
- Casey, B. J., Forman, S. D., Franzen, P. L., Berkowitz, A., Badgaiyan, R. D., Braver, T. S., Welsh, T. F., Thomas, K. M., & Noll, D. C. (1998). Ventral and dorsal prefrontal activity as a function of target probability. *Proceedings of the American Psychological Society*.
- Casey, B.J., Forman, S.D., Franzen, P.L., Berkowitz, A., Badgaiyan, R.D., Braver, T.S., Welsh, T.F., Thomas, K.M., & Noll, D.C. (1998). Ventral and Dorsal Prefrontal activation as a function of target probability. *Proceedings of the Cognitive Neuroscience Society*. (abstract)
- Casey, B. J., Forman, S. D., Franzen, P. L., Berkowitz, A., Braver, T. S., Welsh, T. F., Thomas, K. M., & Noll, D. C. (1998). Ventral and dorsal prefrontal activity as a function of target probability. *Proceedings of the Cognitive Neuroscience Society*.
- Casey, B. J., Thomas, K. M., Welsh, T. F., Berkowitz, A. L., Forman, S. D., Eccard, C. H., Livnat, R., & Noll, D. C. (1998, June). A developmental fMRI study of prefrontal organization. *Neuroimage*, 7(4), S512.
- Casey, B.J., Thomas, K.M., Welsh, T.F., Berkowitz, A., Forman, S.D., Eccard, C.H., Livnat, R., & Noll, D.C. (1998). A Developmental fMRI Study of Prefrontal Organization. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)

- Casey, B. J., Thomas, K. M., Welsh, T. F., Berkowitz, A., Forman, S. D., Eccard, C. H., Livnat, R., & Noll, D. C. (1998, November). A developmental fMRI study of ventral and dorsal prefrontal organization. *Proceeding of the Society for Neuroscience*.
- Casey, B. J., Thomas, K. M., Welsh, T. F., Eccard, C. H., Livnat, R., Gagajewski, A., & Pierri, J. N. (1998, June). An fMRI study of response inhibition in children with striatal lesions. *Neuroimage*, 7(4), S515.
- Casey, B.J., Thomas, K.M., Welsh, T.F., Eccard, C.H., Livnat, R., Gagajewski, A. & Pierri, J.N. (1998). An fMRI Study of Response Inhibition in Children with Striatal Lesions. *Proceedings of the International Conference on Functional Mapping of the Human Brain*. (abstract)
- Thomas, K. M., Welsh, T. F., Badgaiyan, R., Jennings, J. R., Crone, E. A., & Casey, B. J. (1998, November). Functional MRI study of the effects of varying the predictive value of flanker stimuli on cortical activity. *Proceedings of the Society for Neuroscience*.
- Thomas, K.M., Welsh, T.F., Eccard, C.H., Livnat, R., Gagajewski, A., Pierri, J.N., & Casey, B.J., (1998). An fMRI Study of Response Inhibition in Children with Striatal Lesions. *Proceedings of the Cognitive Neuroscience Society*. (abstract)
- Thomas, K.M., Welsh, T.F., Eccard, C.H., Livnat, R., Gagajewski, A., Pierri, J.N. & Casey, B.J., (1998). An fMRI Study of Response Inhibition in Children with Striatal Lesions. *Proceedings of the American Psychological Society*. (abstract)
- Thomas, K. M., Welsh, T. F., Eccard, C. H., Livnat, R., Pierri, J. N., & Casey, B. J. (1998). A functional MRI study of response inhibition in children with intraventricular hemorrhage. *Proceedings of the Cognitive Neuroscience Society*.
- Thomas, K. M., Welsh, T. F., Eccard, C. H., Livnat, R., Pierri, J. N., & Casey, B. J. (1998). Response inhibition in children with striatal lesions: A functional MRI study. *Proceedings of the American Psychological Society*.
- Casey, B. J., Eccard, C., Livnat, R., & Thomas, K. (1999, November). Striatal involvement in inhibitory control: Evidence from MRI studies of children with IVH. *Proceedings of the Society for Neuroscience*.
- Casey, B. J., Thomas, K. M., Welsh, T. F., Badgaiyan, R., Jennings, J. R., & Crone, E. A. (1999, April). Involvement of the anterior cingulate and related circuitry in inhibition of attention to competing peripheral stimuli. *Proceedings of the Cognitive Neuroscience Society*.
- Thomas, K. M., Eccard, C. H., Livnat, R., & Casey, B. J. (1999, April). Serial reaction time learning in children with intraventricular hemorrhage. *Proceedings of the Cognitive Neuroscience Society*.
- Thomas, K. M., Livnat, R., Eccard, C. H., & Casey, B. J. (1999, April). Implicit learning and perinatal complications: A serial reaction time study with children. *Proceedings of the Society for Research in Child Development*.
- Casey, B. J., Thomas, K. M., Eccard, C. H., Drevets, W. C., Dahl, R. E., Whalen, P. J., Perrett, D. I., & Ryan, N. D. (2000, June). Functional responsivity of the amygdala in children with disorders of anxiety and major depression. *Neuroimage*, 11(5), S249.
- Casey, B. J., Thomas, K. M., Welsh, T. F., Badgaiyan, R., Eccard, C. H., Jennings, J. R., & Crone, E. A. (2000, June). Dissociations of conflict, control, and expectancy with fMRI. *Neuroimage*, 11(5), S36.
- Durston, S., Thomas, K. M., Worden, M. I., Silbersweig, D., Stern, E., Yang, Y., & Casey, B. J. (2000, November). The effects of preceding context on inhibition of a response: A developmental fMRI study. *Proceedings of the Society for Neuroscience*.
- Durston S, Thomas KM, Worden MS, Silbersweig D, Stern E, Yang Y, Casey, BJ: The effects of preceding context on inhibition of a response: A developmental fMRI study. Annual Meeting of the Society for Neuroscience, November 2000, New Orleans, USA



- Thomas, K. M., Eccard, C. H., Drevets, W. C., Dahl, R. E., Ryan, N. D., & Casey, B.J. (2000, April). Amygdala response to facial expressions in children and adults. *Proceedings of the Cognitive Neuroscience Society*.
- Thomas, K. M., Eccard, C. H., Drevets, W. C., Dahl, R. E., Whalen, P. J., Perrett, D. I., Ryan, N. D. & Casey, B. J. (2000, June). Amygdala response to facial expressions in children and adults. *Neuroimage*, 11(5), S248.
- Casey BJ, Durston S, Thomas KM, Worden MS: Jittered versus constant stimulus presentation rate in an fMRI study using the go no go task. *Cognitive Neuroscience*, March 2001, New York, USA.
- Casey, B.J., Martinez, A., Thomas, K., Worden, M., & Durston, S. (2001, June). A developmental fMRI study of attentional conflict. *Neuroimage*, 13(6), S306.
- Casey, B.J., Munson, S.F., Thomas, K.M., Durston, S. & Tottenham, N. (November, 2001). *The aftermath of neglect: assessing the neurobiological development of post-institutionalized children*. Paper presented at the International Society for Developmental Psychobiology Conference, San Diego, CA.
- Durston, S., Thomas, K.M., Worden, M.S., Castellanos, F.X., & Casey, B.J. (2001, November). A comparison of fast and jittered presentation rate in event-related fMRI study: Modeling the BOLD response. *Proceedings of the Society for Neuroscience*.
- Durston, S., Thomas, K., Worden, M, Silbersweig, D., Stern, E., Yang, Y. & Casey, B. J. (2001, June). The effect of context on inhibition in normal development: An fMRI study. *Neuroimage*, 13(6), S312.
- Durston S, Thomas KM, Worden MS, Silbersweig D, Stern E, Yang Y, Casey, BJ: The effect of context on inhibition in normal development: An fMRI study. *Neuroimage* 2001; 13(6):S312.
- Durston S, Thomas KM, Worden MS, Silbersweig D, Stern E, Yang Y, Casey, BJ: A developmental fMRI study of the effect of context on inhibition. *Cognitive Neuroscience*, March 2001, New York, USA.
- Durston S, Thomas KM, Worden MS, Yang Y, Castellanos FX, Casey BJ: A comparison of fast and jittered presentation rate in event-related fMRI study: Modeling the BOLD response. Annual Meeting of the Society for Neuroscience, November 2001, San Diego, USA.
- Thomas, K.M. & Casey, B. J. (2001, June). An fMRI study of serial reaction time learning in children and adults. *Neuroimage*, 13(6), S751.
- Thomas, K. M., Franzen P. & Casey, B. J. (2001, March). A developmental fMRI study of stimulus-response compatibility. *Proceedings of the Cognitive Neuroscience Society*.
- Thomas, K. M., Franzen, P. & Casey, B. J. (2001, April). An fMRI study of stimulus-response compatibility in children and adults. *Proceedings of the Society for Research in Child Development*.
- Thomas, K. M., Franzen, P. L., & Casey, B. J. (2001, November). An fMRI study of stimulus-response compatibility in children and adults. *Proceedings of the Society for Neuroscience*.
- Davidson, M.C, Fossella, J.A., Durston, S., Tottenham, N., Kunz, K.H., & Casey, B.J. (April, 2002). *Catecholaminergic genes, cognitive control and brain morphology*. Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Davidson, M.C., Horvitz, J.C., Tottenham, N., Fossella, J.A., & Casey, B.J. (November 2002) *fMRI investigation of saliency, expectation And reward circuitry*. Poster presented at the Society for Neuroscience Annual Meeting, San Diego, CA.
- Durston S, Thomas KM, Yang Y, Casey BJ: The development of neural systems underlying response inhibition: An event-related fMRI study. Eighth meeting for functional mapping of the Human Brain, June 2002, Sendai, Japan.

- Eigsti, I.M., Munson, S.F., Tottenham, N., Thomas, K.M., Durston, S., & Casey, B.J. (April, 2002). *Neural and behavioral correlates of institutionalization*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Davidson, M.C., Horvitz, J.C., Tottenham, N., Durston, S., Fosella, J.A., & Casey, B. J. (November, 2003). *Investigation of neural circuitry modulated by violations in stimulus and temporal expectations*. Poster presented at the Society for Neuroscience Annual Meeting, New Orleans, LA.
- Durston S, Davidson MC, Thomas KM, Worden MS, Tottenham NT, Martinez A, Watts R, Ulug AM, Casey BJ: Parametrically manipulating conflict and response competition within a flanker paradigm. Annual Meeting of the Society for Neuroscience, November 2003, New Orleans, USA.
- Durston S, Tottenham NT, Thomas KM, Davidson NC, Eigsti IM, Yang Y, Ulug, AM, Casey BJ: Differential patterns of striatal activation in young children with and without ADHD. Cognitive Neuroscience, March 2003, New York, USA.
- Durston S, Tottenham NT, Thomas KM, Davidson NC, Eigsti IM, Yang Y, Ulug, AM, Casey BJ: Differential patterns of striatal activation in young children with and without ADHD. Ninth meeting for functional mapping of the Human Brain, June 2003, New York, USA.
- Eigsti, I.M., Tottenham, N., Davidson, M.C., & Casey, B.J. (April, 2003). *Effects of institutionalization and adoption on later behavioral and brain development*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York City.
- Galvan, A., Fosella, J.A., Tottenham, N., McClure, S., Spicer, J., Montague, P.R., & Casey, B.J. (November, 2003). *Relation of genetic variation to responses to reward uncertainty and risk taking behavior*. Poster presented at the Society for Neuroscience Annual Meeting, New Orleans, LA.
- Hara, Y., Davidson, M. C., Thomas, K. M., Martinez, A., & Casey, B. J. (2003, April). A role of the caudate nucleus in attention switching: A developmental fMRI study. *Poster presented at the annual Meeting of the Cognitive Neuroscience Society, New York, NY.*
- Liston, C., Casey, B.J., et al. (April, 2003). *Developmental differences in diffusion measures of cortical fiber tracts*. Poster presented at Cognitive Neuroscience Society Annual Meeting, New York.
- Liston, C., Casey, B.J., et al. (October, 2003). *Developmental differences in diffusion measures of cortical fiber tracts*. Poster presented at Organization for Human Brain Mapping Annual Meeting, New York.
- Thomas, K.M., Vizueta, N., Teylan, M. A., Eccard, C. H., & Casey, B. J. (2003, April). Impaired learning in children with presumed basal ganglia insults: Evidence from a serial reaction time task. *Poster presented at the annual Meeting of the Cognitive Neuroscience Society, New York, NY*
- Tottenham, N., & Casey, B.J. (April, 2003). *The MacBrain face stimulus set for developmental studies of face and emotion processing: A more versatile stimulus set*. Poster presented at the Society for Research in Child Development, Tampa, FL.
- Tottenham, N., Davidson, M.C., Worden, M.I., Haxby, J.V., & Casey, B.J. (April 2003). *Activation of the Fusiform Face Area without Conscious Awareness*. Poster presented at the Organization for Human Brain Mapping Annual Meeting, New York.
- Tottenham, N., Eigsti, I., Davidson, M.C., Watts, R., Altemus, M., Aronson, J., & Casey, B.J. (2003). *Hippocampal and amygdala development following institutionalization and subsequent adoption*. Poster presented at New York Academy of Sciences, New York.
- Tottenham, N., Haxby, J., Whalen, P.J., Worden, M.S., & Casey, B.J. (April, 2003). *Establishing age-appropriate presentation times for masked faces and houses*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York.
- Amso, D., Davidson, M. C., Johnson, S. P., Glover, G., & Casey, B.J. (April, 2004). *The*

- contributions of striatal and hippocampal activity to learning of novel events and novel associations.* Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Durston, S., Davidson, M.C., Tottenham, N., Spicer, J., Galvan, A., Fossella, J.A., & Casey, B.J. (October, 2004). *Longitudinal functional MRI of the development of cognitive control.* Poster presented at Society for Neuroscience Annual Meeting, San Diego, CA.
- Durston S, Davidson MC, Tottenham NT, Spicer J, Galvan A, Fossella JA, Casey BJ: A shift from diffuse to focal cortical activity with development. *Neuropsychopharmacology* 2004; 29 (supplement 1): S141
- Durston S, Davidson MC, Tottenham N, Spicer J, Galvan A, Horvitz JC, Fossella JA, Watts R, Casey BJ: Activation of striatum and cerebellum in response to expectancy violations in children with ADHD. *Biological Psychiatry* 2004;55: 176S-176S (630 supplmt 8).
- Fossella JA, Watts R, Casey BJ: Activation of striatum and cerebellum in response to expectancy violations in children with ADHD. Tenth meeting for functional mapping of the Human Brain, June 2004, Budapest, Hungary.
- Freed, P., Tottenham, N., Davidson, M.C., Galvan, A., Spicer, J., Hare, T.A., Worden, M.I., & Casey, B.J. (April 2004). *Calm vs. neutral: Differential amygdala responses.* Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Galvan, A., Spicer, J., Davidson, M.C., Hare, T.A., Glover, G.H., & Casey, B.J. (October, 2004). *Behavioral and neural responses to differences in reward magnitude.* Poster presented at Society for Neuroscience Annual Meeting, San Diego, CA.
- Hare T.A., Tottenham, N., Davidson, M.C., Spicer, J., Glover, G.H., & Casey, BJ (April, 2004). *Contributions of striatal and amygdala activity in affect regulation.* Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Hare, T.A., Tottenham, N., Davidson, M.C., Spicer, J., Glover, G.H., & Casey, BJ (October, 2004). *Contributions of striatal and amygdala activity in affect regulation.* Poster presented at the Society for Neuroscience Annual Meeting, San Diego, CA.
- Sarkar, R., Tottenham, N., Davidson, M.C., Worden, M., Spicer, J., Galvan, A., Eigsti, I., & Casey, B.J. (April, 2004). *Amygdala response to happy and neutral faces in children and adults in an event-related fmri design.* Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Spicer, J., Davidson, M.C., Durston, S., Tottenham, N., Galvan, A., & Casey, B.J. (April, 2004). *Neural response to violations in expectation across development.* Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Spicer, J., Galvan, A., Hare, T., Davidson, M.C., Tottenham, N., Glover, G., & Casey, B.J. (April, 2004). *Human striatal activity in the presence of reward probability variation.* Poster presented at Cognitive Neuroscience Society Annual Meeting, New York.
- Amso, D., Davidson, M. C., Galvan, A., Glover, G., & Casey, B.J. (April, 2005). *The role of the hippocampus and striatum in frequency and association-based learning: A developmental fMRI study.* Poster presented at Cognitive Neuroscience Society Annual Meeting, New York.
- Davidson, M.C., Tottenham, N., Spicer, J.A., Galvan, A., Durston, S., Horvitz, J.C., & Casey, B.J. (April, 2005). *Neural responses to stimulus and temporal violations of expectation: A development fMRI study.* Poster presented at Cognitive Neuroscience Society Annual Meeting, New York.
- Durston S, Davidson MC, Tottenham NT, Spicer J, Galvan A, Fossella JA, Casey BJ: A shift from diffuse to focal cortical activity with development. Eleventh meeting for functional mapping of the Human Brain, June 2005, Toronto, Canada.
- Durston S, Davidson MC, Tottenham NT, Spicer J, Galvan A, Fossella JA, Casey BJ: A shift from diffuse to focal cortical activity with development. *J Cogn Neurosci* 2005; S57-58

- Galvan, A., Hare, T.A., Spicer, J., Davidson, M.C., Glover, G.H., & Casey, B.J. (April 2005). *Developmental behavioral and neural responses to differences in reward magnitude*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York.
- Galvan, A., Hare, T.A., Spicer, J., Glover, G.H., & Casey, B.J. (November, 2005). *Frontostriatal neural responses to increasing reward values change with development*. Poster presented at the Society for Neuroscience Annual Meeting, Washington, D.C.
- Hare, T.A., Galvan, A., Tottenham, N., Glover, G.H., & Casey, B.J. (June, 2005). *Enhanced striatal activity and approach tendencies to positive valence in adolescents*. Poster presented at Organization for Human Brain Mapping Annual Meeting, Toronto, CA.
- Hare, T.A., Galvan, A., Tottenham, N., Glover, G.H., & Casey, B.J. (November, 2005). *Cognitive control and affect regulation in adolescence*. Poster presented at Society for Neuroscience Annual Meeting, Washington, D.C.
- Hare, T.A., Tottenham, N., Glover, G.H., & Casey, B.J. (April, 2005). *Cognitive control and affect regulation in adolescence*. Poster presented at Cognitive Neuroscience Society Annual Meeting, New York.
- Liston, C., Davidson, M.C., & Casey, B.J. (June, 2005). *An event-related fMRI investigation of attentional set shifting*. Poster presented at Organization for Human Brain Mapping Annual Meeting, Toronto.
- Liston, C., Goldwater, D.S., Miller, M.M., Casey, B.J., & McEwen, B.S. (November, 2005). *21-day chronic restraint stress impairs perceptual attentional set shifting in rats*. Poster presented at Society for Neuroscience Annual Meeting, Washington DC.
- Tottenham, N., Davidson, M.C., Galvan, A., Spicer, J., Hare, T., Rossi, J., Worden, M.I., Whalen, P.J., & Casey, B.J. (April, 2005). *Neutral faces elicit more ventral amygdala response than calm faces in children*. Poster presented at Cognitive Neuroscience Society Annual Meeting, New York.
- Tottenham, N., Davidson, M.C., Galvan, A., Spicer, J.A., Hare, T., Worden, M.I., & Casey, B.J. (November, 2005). *Is a neutral face ever neutral? An fMRI investigation of the dorsal amygdala response to neutral faces across development in children, adolescents, and adults*. Poster presented at the Society for Neuroscience Annual Meeting, Washington D.C.
- Buhle, J., Liston, C., Niogi, S., & Casey, B.J. (May, 2006). *Frontostriatal connectivity predicts inhibitory control in ADHD youths and parents*. Poster presented at Association for Psychological Science, New York.
- Buhle, J., Charles, D., Pekar, M., Grant, P., Swedo, S., Snider, L., & Casey, B.J. (April, 2006). *Early symptom severity in sydenham chorea predicts attentional functioning years later* Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Durston S, Davidson MC, Mulder MJ, Spicer JA, Galvan A, Tottenham N, Scheres A, Castellanos FX, Casey BJ: Neural and behavioral correlates of expectancy violations in Attention-Deficit Hyperactivity Disorder. Twelfth meeting for functional mapping of the Human Brain, June 2006, Florence, Italy
- Durston S, Mulder M, Casey BJ, Ziermans T, van Engeland H: Activation in ventral prefrontal cortex is sensitive to genetic vulnerability for ADHD. Twelfth meeting for functional mapping of the Human Brain, June 2006, Florence, Italy.
- Durston S, Mulder M, Casey BJ, Ziermans T, van Engeland H: Activation in ventral prefrontal cortex is sensitive to genetic vulnerability for ADHD. J Cogn Neurosci 2006; 168 Sup.
- Galvan, A., Parra, C.E., Hare, T.A., Voss, H., Glover, G.H., & Casey, B.J. (April, 2006). *Differential developmental trajectories within frontostriatal circuitry may contribute to increased reward-seeking and risk-taking behaviors during adolescence*. Poster presented at Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

- Ganzel, B, Casey, BJ, Glover, G, Voss, H, Temple, E (April 2006). *September 11<sup>th</sup>, 2001: The neural and neuroendocrine correlates of trauma and recovery in healthy adults*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Tottenham, N. Davidson, M.C., Hare, T.A., Galvan, A., Spicer, J., Casey, B.J. (April, 2006). *Fusiform gyrus activity modulated by face expression in children, adolescents, and adults*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Buhle, J., Liston, C., Niogi, S., Casey, BJ and MTA Imaging Consortium. *Frontostriatal Connectivity Predicts Inhibitory Control in ADHD Youths and Parents* Poster presented at the American Psychological Society meeting, New York, NY
- Liston C., Winter D.C., Hare T.A., McEwen, B.S., & Casey, BJ. (June, 2006). *Chronic stress selectively impairs attentional shifts and corticocortical connectivity: A morphometric and functional MRI investigation*. Poster presented at Organization for Human Brain Mapping Annual Meeting, Florence.
- Hare, T, Glover, G, Voss, H, Casey, BJ.(June 2006)Changes in Functional Connectivity Underlie Developmental Differences in Affect Regulation Poster presented at Organization for Human Brain Mapping Annual Meeting, Florence.
- Casey, BJ (June 2006) *Genes, Brain and Behavior under Stress*. Symposium, Imaging Discussion Group, New York Academy of Sciences, New York, NY
- Eigsti, IM, Casey, BJ, Zayas, V, Mischel, W, Shoda, Y (March, 2007). Predicting cognitive control from preschool to young adulthood. *Society for Research in Child Development*. Boston, MA.
- Additional abstracts available upon request.

Presentations:

Complete list of presentations available upon request.

- “Self Control and the Adolescent Brain” Ann Brown Award Lecture, University of Illinois, Champaign, IL, December 2015
- “The Adolescent Brain: Arrested or Adaptive Development? DIBS Colloquium, Duke University, Durham, NC, December 2015
- “Self Control and the Adolescent Brain” Colloquium, Boston University, Boston MA, November 2015
- “Treating the Developing Brain: Implications from Preclinical Human and Mouse Studies”, Colloquium, Yale University, New Haven, CT, November 2015
- “Treating the Developing versus the Developed Brain” BBRF Awards Symposium, New York, NY October 2015
- “Cognitive Capacity of Young Adults” Temple Law Review Symposium, Philadelphia, PA Oct. 2015
- “The Cognitive Neuroscience of Adolescent Self Control” Summer Institute on Cognitive Neuroscience, Santa Barbara, July 2015
- “Beyond simple models of Adolescent Self Control to a Circuit-based Model” Keynote address, Organization of Human Brain Mapping, Hawaii, June 2015
- “The adolescent Brain and Self Control” Presidential Symposium, American Psychological Association, New York, May 2015
- “The Adolescent Brain” The State of Juvenile Justice” Invited keynote, VERA Institute of Justice, Capital Hill, September 2014
- “Development of Fear Regulation: From mouse to Human” Invited Keynote, Reading University, Reading, UK, June, 2014
- “The Adolescent Brain and Juvenile Justice Reform” Washington State Supreme Court, Olympia, Washington, May 2014

“Adolescent Brain and Self Control” Kavli Foundation Lecture on Neuroscience and Public Policy, Madison, WI, May 2014

“Effects of Early Adversity on Frontolimbic Function and Development”, The Picower Institute for Learning and Memory Symposium on Early Life Stress on Mental Health, MIT, Cambridge, MA, May 2014

“Development of Fear: Evidence from Mouse to Human” Scientific Frontiers Lecture, APA, New York, NY May, 2014

“Development of Fear Regulation: From Mouse genetics to human imaging” ,Current Work in Clinical Psychology Series, Yale University, New Haven Conn., April 2014

“Development of Fear: Evidence from Mouse to Human” Invited Keynote, Eastern Psychological Association, Boston MA, March, 2014

“The Adolescent Brain and Risk for Anxiety” Clinical Symposium on Psychiatric and Neurological Disorders, NYAS, Doha, Qatar, March 2014

“Emotion Regulation Development: From Human Imaging to Mouse Genetics” EADP-APS symposium, Lausanne, Switzerland, September, 2013

“ Developmental Neuroscience and Juvenile Justice” American Board Association workshop, Chicago, IL, April 2013

“Development of Fear Processes: From Human Imaging to Mouse Genetics” Master Lecture SRCD Conference Seattle, WA April 2013

“Developmental Neuroscience and Criminal Responsibility” CNS Symposium, San Francisco, CA, April 2013

“Adolescence and Risk for Anxiety” ARNMD Conference, Rockefeller University, NY December 2012

“Development of Fear: Human Imaging to Mouse Genetics” Salmon Lecture, NYAM, NY December 2012

“Development of Fear Processes: From Human Imaging to Mouse Genetics” Waisman Institute, UW-Madison, WI November 2012

“Your Brain on Adolescence” lecture, Columbia University, NY November 2012

“Development of Fear Processes: From Human Imaging to Mouse Genetics” MIT colloquium MA September 2012

“Risk Factors for Brain and Behavioral Disorders in Children and Adolescents”, BBRF, NY, May 2012

“Anxiety, Stress and the Adolescent Brain. Stress Symposium, Hunter College, NY March 2012

“Neural Correlates of Self Control across 40 years later” Brown University, RI March 2012

“Neural Correlates of Self Control across the life span” U Maryland, MD March 2012

“Risk for Anxiety in Adolescence: Insights from human imaging to mouse genetics” UCLA, CA January 2012

“The Myths of Adolescence: Insights from human imaging to mouse genetics “ Jeffrey Lecture UCLA, CA January 2012

“The Developing Brain” American Museum of Natural History, New York, NY, February 2011

“The Adolescent Brain: Insights from human imaging to mouse genetics” Hebb Lecture, Halifax Canada 2010

"The Adolescent Brain: Insights from human imaging to mouse genetics" MGH, Charlestown, MA February 2010

"New discoveries with pediatric and genetic imaging" University of Maryland Imaging Advisory Board, College Park, MD, February 2010

"The Adolescent Brain" Grand Rounds, NYU Medical College, New York, NY January 2010

"A Neurodevelopmental Model of Adolescence" Neuroscience Retreat-Keynote Speaker, Augusta Medical College, Augusta, GA Oct 2009

"Sturm and Dang: The Adolescent Brain" Challenges of Pediatric Imaging Workshop, Academy of Sciences, Amsterdam, The Netherlands April 2009

"The Adolescent Brain and Risk for Psychopathology" Colloquium, Duke University, NC April 2009

"Importance of Development in Gene X Environment Interactions" Gene X Environment Symposium, Invited Talk, U Penn, PA 2009

"Adolescent Brain and Risky Decisions" Board on Children, Youth, and Families: The National Academies Invited Lecture. Washington, D.C., November 2008.

"Understanding Neural Circuitry in Human Brain Development" Winter Meeting on Developmental Psychobiology, Cozumel, Mexico January 2008.

"The Adolescent Brain" NYAS Symposium at the Royal Institute of British Architects, London, England, December 2007.

"Adolescent Brain and Behavior" Board on Children, Youth, and Families: The National Academies Invited Lecture. Washington, D.C., November 2007.

"New potential leads in the biology and treatment of ADHD. AACAP Symposium, Boston MA, October 2007

"Human Brain Development, Law and Public Policy" ASTAR Lecture, Johns Hopkins University, Baltimore, MD, October 2007

"New potential leads in the biology and treatment of ADHD. NARSAD Symposium, New York, NY, October 2007

"Genes, Brain and Behavior: Understanding Human Development" University of Edinburgh, Edinburgh, Scotland, July 2007

"Tutorial on Human Brain Imaging of Development" Course Lecture, Cold Spring Harbor Laboratories, Cold Spring Harbor, NY, June 2007

"Human Brain Development and Behavior" Course Lecture, Cold Spring Harbor Laboratories, Cold Spring Harbor, NY, June 2007

"Cognitive Neuroscience of Human Development", Educational Workshop, Organization for Human Brain Mapping, Chicago, IL June 2007.

"The Adolescent Brain" NIDA Sponsored APA Symposium, San Diego, CA May 2007.

"The Adolescent Brain: Impulsive or Risky?" Colloquium, Stanford University, Palo Alto, CA May 2007.

“The Adolescent Brain” Colloquium, Rochester University, Rochester, NY April 2007.

“The Adolescent Brain: Impulsive or Risky?” Colloquium, USC, Columbia, SC, April 2007.

“The Adolescent Brain” Colloquium, Rutgers University, Piscataway, NJ, April 2007.

“New Insights on the Biology and Treatment of ADHD” Grand Rounds, Vancouver BC March 2007.

“The Adolescent Brain: Impulsive or Risky?” Colloquium, Vancouver BC March 2007.

“The Adolescent Brain” Colloquium, University of Minnesota, Minneapolis, MN March 2007.

“Specifying Endophenotypes of Cognitive and Affective Processing.” Invited Lecture, NIMH R21 Network Meeting, Chicago, February 2007

“Genes, Brain and Behavior under Stress.” Symposium Organizer, Winter Conference on Developmental Psychobiology, Costa Rica, January 2007

“Impulsivity, Pleasure Seeking and the Adolescent Brain” Psychology Colloquium, New York, NY December 2006

The Adolescent Brain and Risk for Substance Abuse.” Invited Talk, Public Health, Weill Cornell Medical College, New York, NY November 2006

“Imaging Approaches to Understanding Behavioral and Brain Development.” NIH Blue Print Meeting on Neurodevelopment, Bethesda, MD November 2006

“Learning to Hear: From Songbird to Human.” Symposium Organizer, New York Academy of Sciences, New York, NY, June 2006

“The Adolescent Brain: Impulsive or Risky?” Grand Rounds, Yale University, New Haven CT, October 2006

“The Adolescent Brain: Impulsive or Risky?” Psychiatry Grand Rounds, Weill Cornell Medical College, New York, NY, September 2006

“Cognitive Neuroscience of Human Development”, Educational Workshop, Organization for Human Brain Mapping, Florence, Italy June 2006.

“Genes, Brain and Behavior under Stress.” Symposium Organizer, New York Academy of Sciences, New York, NY, June 2006

“Implications of Frontostriatal and Frontocerebellar Circuitry in Developmental Disabilities”, Invited Graduate Faculty Seminar Series, Weill Medical College of Cornell, February 2006

“Reward Neurocircuitry in Adolescent Development and Decision Making” Invited NIMH, NIDA, NICHD Workshop Presentation, NIH, Rockville, MD, January 2006

“Development and Disruption of Frontostriatal and Frontocerebellar Circuitry”, Invited NIH Director’s Seminar Series, NIH, Rockville, MD January 2006

“Development of Frontostriatal and Frontocerebellar Circuitry and their disruption in Psychiatric Disorders” Ellison Medical Foundation, NYAS, New York, New York, January 2006

“Neural Mechanisms underlying High Risk Behaviors in Adolescents” Psychiatry Grand Rounds,



Columbia, October, 2005

“Biology of Developmental Disabilities” John Merck Fund Summer Institute, Director, Princeton University, Princeton, NJ July 2003

“Neuroimaging Studies of Typical Brain Development” Invited NIH sponsored Symposium, Organization for Human Brain Mapping, Toronto, Canada, June 2005

“What Changes with Learning and Development”, Invited Lecture, Free University, Amsterdam, The Netherlands, April 2005

“Windows into the Developing Human Brain” Distinguished Community Lecture UC-Davis, Sacramento, CA March 2005

“Typical and Atypical Development of Cognitive and Neural Systems” Distinguished Scientific Lecture, UC-Davis, Sacramento, CA, March 2005

“What Changes with Learning and Development” Colloquium, Rutgers, New Brunswick, NJ, March 2005

“Emotion: The Good, the Bad and the Learned” Symposium Organizer, New York Academy of Sciences, New York, NY February 2005

“Imaging Cognitive Development” NRDC Invited Address, UNC-Chapel Hill, NC, September 2004

“What have we Learned about Development with Imaging” Attention and Performance, Flat Irons, Colorado, July 2004

“Biology of Developmental Disabilities” John Merck Fund Summer Institute, Director, Princeton University, Princeton, NJ July 2004

“Social Disparities and Brain Development” Invited Lecture, Berkeley, CA, May 2004

“Development of Cognitive Control” NIH Workshop, Bethesda, MD, May 2004

“Development and Disruption of Cognitive Control” Colloquium, Harvard, Cambridge, MA, April 2004

“Imaging and Genes in Cognitive Neuroscience” Symposium, Cognitive Neuroscience Society Meeting, San Francisco, CA April 2004

“Clinical, Imaging and Genetic Studies of Cognitive Control” Colloquium, MIT, Cambridge, MA, March 2004

“Disruption and Development of Cognitive Control” Pediatric Grand Rounds, Weill Medical College, NY, NY, February 2004

“How Neuropsychology informs Neuroimaging Studies” Invited Symposium, International Neuropsychological Society, Baltimore MD February 2004

“Clinical, Imaging and Genetic Studies of Cognitive Control” Colloquium, Princeton University, Princeton, NJ January 2004

“Frontostriatal and Frontocerebellar Circuits underlying Cognitive Control” Colloquium, Vanderbilt University, Nashville, TN, October 2003

"Biology of Developmental Disabilities" John Merck Fund Summer Institute, Director, Princeton University, Princeton, NJ July 2003

"Developmental and Individual Differences in Cognitive Control" Posner Festschrift, Eugene Oregon, May 2003

"Biological Basis and Development of Cognitive Control" Colloquium, UC-Berkeley, Berkeley, CA April 2003

"The Development, Disruption and Neurobiology of Cognitive Control" RIKEN-MIT Neuroscience Symposium, sponsored by MIT's Picower Center for Learning and Memory, Boston, MA, March 2003

"Disruption of Cognitive Control in ADHD: Lesion, Imaging and Genetic Studies" Colloquium, Michigan State University, March 2003

"Converging Methods Approach to Understanding Developmental Disabilities" Colloquium, Seashore House/Childrens Hospital, Philadelphia, PA, February 2003

"Windows into the Developing Human Brain" Colloquium, Cornell University, Ithaca, NY, February 2003.

"Biology of Developmental Disabilities" Course Instructor, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, June-July 2002

"Frontostriatal Circuitry and Cognitive Control: Evidence from Clinical, Imaging, Lesion and Genetic Studies, Colloquium, Mount Sinai Hospital, New York, NY May 2002.

"Disruption of Inhibitory Control in Developmental Disorders: Clinical, Neuroimaging, and Lesion Studies " Colloquium, Vanderbilt University, Nashville, Tennessee, March 2002.

"Frontostriatal Circuitry and Cognitive Control: Evidence from Clinical, Imaging, Lesion and Genetic Studies, Colloquium, New York University, October 2001

"Neuropsychological Probes of Prefrontal Function", Research Fellows Lectures, Columbia University, October 2001

"Biology of Developmental Disabilities" Course Instructor, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, July-August 2001

"Development and Organization of Prefrontal Cortex" Invited Symposium, Biennial Meeting for the Society for Research on Child Development, Minneapolis, MN, April 2001

"Disruption of Inhibitory Control in Developmental Disorders: Clinical, Neuroimaging, and Lesion Studies " Colloquium, Institute for Research in Cognitive Science, University of Pennsylvania, Philadelphia, PA, February 2001.

"Clinical, Neuroimaging and Lesion Studies of Cognitive Control" Colloquium, Psychology Department, NYU, New York, NY, February 2001.

"Frontostriatal Circuitry and Developmental Disorders" Invited Lecture, The Association for Research in Nervous and Mental Disease, New York, NY, December 2000.

"Neural Correlates of Cognitive Development: Behavioral, Lesion and Imaging Studies" Invited Symposium, International Society for Developmental Psychobiology, New Orleans, LA, Nov 2000.

"Mechanisms of Inhibitory Control in Developmental Disorders" Grand Rounds, Department of Psychiatry, Weill Medical College of Cornell University, New York, NY, October 2000.

"Striatal Disruption in Attention Deficit-Hyperactivity Disorder" Institute Lecture, American Association of Child and Adolescent Psychiatry, New York, NY, October 2000.

"Development of Inhibitory Control: Neuroimaging and Lesion studies" Invited Lecture, McDonnell Cognitive Neuroscience Summer Institute, Dartmouth, NH, June 2000.

"Imaging the Developing Human Brain: What have we learned?" Invited Presidential Symposium, Organization for Human Brain Mapping, San Antonio, Texas, June 2000.

"Disruption of Inhibitory Control in Developmental Disorders: Clinical, Neuroimaging, and Lesion Studies." Grand Rounds, Department of Psychiatry, Columbia University, New York, NY, May 2000.

"Imaging the Child's Brain: What have we learned?" Symposium, Cognitive Neurosc Society Meeting, San Francisco, CA April 2000.

"Disruption of Inhibitory Control in ADHD: Neuroimaging and Lesion Studies" Interdisciplinary Research on ADHD Workshop, NIMH, Bethesda, MD March 2000.

"Developmental fMRI Studies of Memory and Inhibition" Invited Lecture, NIMH, NINDS, NICHD Joint Workshop on Pediatric Neuroimaging, Leesburg, VA, October 1999

"Inhibitory Mechanisms of Attention: Developmental, Clinical, and Neuroimaging Studies." Neurology Grand Rounds, Harvard University, Boston, MA, July 1999.

"Disruption of Inhibitory Control in Developmental Disorders: Clinical, Neuroimaging, and Lesion Studies." Invited Lecture, Child Psychiatry Workshop, Brown University, Providence, RI, April 1999.

"Inhibitory Mechanisms of Attention: Developmental, Clinical, and Neuroimaging Studies." Colloquium, Eunice Kennedy Shriver Center, May 1999.

"Disruption and Inhibitory Control in Developmental Disorders: A mechanistic model of implicated frontostriatal circuitry" Invited Lecture, 29th Carnegie Symposium, Carnegie Mellon University, Pittsburgh, PA, October 1998.

"Design and Statistical Issues in Pediatric Functional Neuroimaging Studies of Children" Invited Lecture, NIMH Workshop, Rockville, MD, September 1998

"The Developmental Neurobiology of Childhood Depression: Neuroimaging Approaches to Investigate a Model of Early Affect Dysregulation." Invited Grand Rounds, Columbia University, NY, NY, May, 1997.

"Inhibitory Mechanisms of Attention: Developmental, Clinical, and Neuroimaging Studies." Invited Lecture, Stanford University, Stanford, CA, March, 1997.

"Functional Magnetic Resonance Imaging of the Child Brain: Methodological Issues." Invited Symposium, International Meeting of the Learning Disabilities Association, Chicago, IL, February 1997.

"Developmental, Clinical, and Neuroimaging Studies of Inhibitory Mechanisms of Attention." Invited Colloquium, Princeton University, Princeton, NJ, December 1996.

"Inhibitory Mechanisms of Attention: Developmental, Clinical, and Neuroimaging Studies."

Invited Lecture, Children's Seashore House and University of Pennsylvania, Philadelphia, Pennsylvania, November, 1996.

"Functional Magnetic Resonance Imaging of the Child Brain: Behavioral Paradigm Development" Invited Research Forum, American Academy of Child and Adolescent Psychiatry Meeting, Philadelphia, PA, October, 1996.

"Development of the Child Brain: Studies of Anatomical and Functional Magnetic Resonance Imaging." Invited Lecture, UCSD, La Jolla, CA, November, 1995.

"Is the Hemodynamic Response of fMRI Age-Dependent?" Invited Lecture, Massachusetts General Hospital, Harvard Medical School, Boston, MA , July 1995.

"Scanning Children and Development with fMRI, " Invited Presentation, FMRI Workshop: Satellite Conference of 2nd Annual Cognitive Neuroscience Society, San Francisco, CA, March 1995.

"A Developmental fMRI study of Prefrontal Cortex," Invited Presentation, Functional MRI Studies of Brain Development and Developmental Psychopathology, MacArthur Foundation, Chicago, IL, September 1994.

"Neurodevelopmental Approach to Inhibitory Mechanisms of Attention" Invited Lecture, Psychology Department, UM, Ann Arbor, MI, Invited Lecture, November 1993

"Functional MRI: Studies of Cognition," Invited Symposium, American Psychological Association Meeting, Toronto, Canada, August 1993.

"Neuroanatomical Correlates of Cognition: A Clinical Neuroimaging Approach," Invited Lecture, Carnegie Mellon University, Pittsburgh, PA, April 1992.

"Testing the Dysfunctional Attention Hypothesis in Calendar-Calculating Savants," Invited Colloquium, Psychology Department, Memphis State University, Memphis, TN, October 1991.

Date: 4/24/2016

Signature: 