

## **CURRICULUM VITAE**

**Kent A. Kiehl, Ph.D.**

Executive Science Officer &  
Director of Mobile Imaging  
The nonprofit Mind Research Network  
Pete and Nancy Domenici Hall  
1101 Yale Blvd. NE  
Albuquerque, New Mexico, 87106  
Office (505) 925-4516  
Fax (505) 272-8002  
[kkiehl@mrn.org](mailto:kkiehl@mrn.org)

Professor  
Departments of Psychology (prime),  
Neurosciences & Law  
University of New Mexico  
MSC03 2220  
Albuquerque, NM 87131-1161  
Office (505) 277-2384  
Fax (505) 277-1394  
[www.kentkiehl.com](http://www.kentkiehl.com)

## **EDUCATION**

1993	B.Sc., Psychology, Biology emphasis, University of California, Davis
1996	M.A., Psychology & Neuroscience, University of British Columbia
2000	Ph.D., Psychology & Neuroscience, University of British Columbia

## **ACADEMIC POSITIONS**

2000-01	Assistant Research Professor, Department of Psychiatry, University of British Columbia, Vancouver, British Columbia
2001-07	Director, Clinical Cognitive Neuroscience Laboratory, Olin Neuropsychiatry Research Center, The Institute of Living at Hartford Hospital, Hartford, Connecticut
2001-05	Assistant Clinical Professor, Department of Psychiatry, Yale University School of Medicine, New Haven, Connecticut
2005-07	Associate Clinical Professor, Department of Psychiatry, Yale University School of Medicine, New Haven, Connecticut
2002-07	Lecturer, Department of Psychology, Yale University
2007-09	Associate Professor, Department of Psychology, University of New Mexico, Albuquerque, New Mexico
2010-13	Associate Professor (with tenure), Department of Psychology, University of New Mexico, Albuquerque, New Mexico
2007-13	Associate Professor, Department of Neuroscience, University of New Mexico School of Medicine, Albuquerque, New Mexico
2007-	Director of Mobile Imaging and Clinical Cognitive Neuroscience, the nonprofit Mind Research Network, an affiliate of Lovelace Biomedical and Environmental Research Institute, Albuquerque, New Mexico
2011-	Executive Science Officer, Mind Research Network (a nonprofit organization), an affiliate of Lovelace Biomedical and Environmental Research Institute, Albuquerque, New Mexico
2013-	Professor with tenure (primary appointment), Department of Psychology, University of New Mexico, Albuquerque, New Mexico
2013-	Professor (secondary appointment), Department of Neurosciences, University of New Mexico, Albuquerque, NM
2013-	Professor of Law (secondary appointment), University of New Mexico School of Law, Albuquerque, New Mexico

## **HONORS AND AWARDS**

1991-93	Dean's Honor List, University of California, Davis
1993	President's Undergraduate Fellowship for honors thesis research, University of California Davis
1996-00	Nobel Laureate Michael Smith Graduate Scholarship, Medical Research Council of Canada, University of British Columbia
1999	McGeer Award for best scientific paper presentation, Department of Psychiatry, University of British Columbia
2000	Category 1 (highest attainable) ranking of doctoral dissertation. University of British Columbia
2000	Necia Elvin Award for early career contributions to schizophrenia research, inaugural recipient. University of British Columbia
2000	Best clinical poster presentation, Neuroscience Graduate student forum, University of British Columbia
2001-03	NARSAD Young Investigator Award
2004-06	NIH Student Loan Repayment Award
2004	Early Career Award - EEG & Clinical Neuroscience Society
2005	Society for Psychophysiological Research (SPR) Award for Distinguished Early Career Contributions to Psychophysiology
2006-08	NIH Student Loan Repayment Award – Competitive Renewal

## **PROFESSIONAL ACTIVITIES**

### ***SOCIETY MEMBERSHIPS AND SERVICE***

1993 -	Society for Psychophysiological Research
1993 -	Cognitive Neuroscience Society
1994 -	International Organization of Human Brain Mapping
1995 -	International Society for Magnetic Resonance in Medicine
2005 -	Society for the Scientific Study of Psychopathy (SSSP), Charter Member
2005-07	Web developer for Society for the Scientific Study of Psychopathy (SSSP)
2007-11	Elected to the Board of Directors, Society for the Scientific Study of Psychopathy (SSSP)
2007 -	Neuroethics Society
2008 -	Society for Neuroscience
2009 -	American Psychological Association
2011 -	Elected to the Board of Directors, the nonprofit Mind Research Network
2012	Nominations Committee, SSSP
2013-17	Awards Committee, SSSP
2013-17	Elected to Board of Directors, Society for the Scientific Study of Psychopathy (SSSP)
2013-	Scientific Advisory Board Member, The Avielle Foundation ( <a href="http://aviellefoundation.org">http://aviellefoundation.org</a> ). Avielle Rose Richman was one of twenty-six children and educators killed at Sandy Hook Elementary School in Newtown, CT on December 14th, 2012. The Avielle Foundation has been created to bring about change in the hope of honoring Avielle and all the others that have fallen to such senseless violence. The goal of the Foundation is to prevent violence through brain health research and fostering community.
2015-	National Advisory Panel Member, Rutgers-Newark Center on Youth Violence and Juvenile Justice

- 2015-18 Steering Committee Board Member, Duke University Summer Seminars in Neuroscience and Philosophy (SSNAP).  
<http://www.neuroscienceandphilosophy.com>

## FEDERAL GOVERNMENT AND OTHER ADVISORY PANELS

- 1999-00 Canada Foundation for Innovation (CFI) grant program  
 2001 General Electric (GE) Medical Advisory Board Committee Member on functional magnetic resonance imaging (fMRI)  
 2003 NIH Study Section, Exploratory/Developmental grants in Social Neuroscience  
 2004 NIH Study Section, Ad hoc member, Language and Communication Disorders (LCOM)  
 2004 NIDA Special Emphasis Panel, Developing Efficacious Behavioral Therapies for Criminal Justice-Involved Populations.  
 2005 NIH Study Section, Ad hoc member, Cognitive Neuroscience (COG)  
 2005 NIH Study Section, Ad hoc member, Adult Psychopathology and Disorders of Aging (APDA).  
 2005 NIH Study Section, Ad hoc member, Mood Disorders.  
 2005 NIDA Grant Reviewer for the Imaging - Science Track Award for Research Transition Program (I-START).  
 2006 NIH Study Section for the Extramural Student Loan Repayment Program  
 2006 NIH Study Section for the NIH Blueprint initiative: Training in Neuroimaging: Integrating First Principles and Applications (T90)  
 2007-09 National Science Foundation (NSF) Cognitive Neuroscience Study Section – standing member for 2007-2009.  
 2007-10 Chair, Psychopathy Working Group and Panel Member of the John T. and Catherine D. MacArthur Foundation ‘Law and Neuroscience Project’ (PI: Michael Gazzaniga) [www.lawandneuroscienceproject.org](http://www.lawandneuroscienceproject.org)  
 2008 NIMH Study Section for Conte Centers  
 2009 NIDA Study Section ‘Physical Activity and Drug Abuse’  
 2010 -14 NIH Adult Psychopathology and Disorders of Aging (APDA) Study Section, Charter Member  
 2010 NICHD Special Emphasis Panel on Cognition, Brain Function, and Learning in Incarcerated Youth  
 2010 Google Sci Foo Conference. An invited gathering of 200 scientists to discuss science and policy at the Google campus in California.  
<http://www.nature.com/natureconferences/scifoo/index.html>  
 2010 John T. and Catherine D. MacArthur Foundation Advisory Board for Phase II project on Law and Neuroscience  
 2011 Google Sci Foo Conference. An invited gathering of 200 scientists to discuss science and policy at the Google campus in California.  
<http://www.nature.com/natureconferences/scifoo/index.html>  
 2012 NIDA Study Section for RFA DA11-006 Training in Neuroimaging (T90/R90) Applications  
 2012 Google Sci Foo Conference. An invited gathering of 200 scientists to discuss science and policy at the Google campus in California.  
<http://www.nature.com/natureconferences/scifoo/index.html>  
 2013 National Institute on Drug Abuse (NIDA)'s Cutting-Edge Basic Research Awards (CEBRA) program-<<http://grants.nih.gov/grants/guide/pa-files/PAR-12-086.html>> review panel.

2013-14	National Science Foundation(NSF)-Department of Defense (DOD)-National Institutes of Health (NIH) Worldwide survey of the state-of-the-art neuroimaging centers.
2014-17	Texas Tech University Neuroimaging Institute (TTNI) External Advisory Board Member.
2014-15	Special Advisor, Chief of Naval Operations Strategic Studies Group, Naval War College, Newport, RI.
2015	NIH study section on Human Disease Connectomes Project
2015-17	Danish Research Council, Neuroscience, Ethics and the Law Panel; Director, Thomas Søbirk Petersen
2016	NIH study section on Cutting-Edge Basic Research Awards (CERBRA)
2016	NIH study section on Small Business: Clinical Neurophysiology, Devices, Neuroprosthetics, and Biosensors
2016	National Institute of Justice study section, Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics Peer Review
2016	NIH study section, Adult Psychopathology and Disorders of Aging, ad hoc.
2017	NIH study section experiment on reviewing anonymized neuroscience grant submissions.
2018	NIH study section experiment on reviewing anonymized neuroscience grant submissions.
2018	National Institute of Justice STEM reviewer of graduate student applications
2018	European Research Council (ERC) peer reviewer.
2018	NIH study section experiment on reviewing anonymized bioethics grant submissions.
2019	Marsden Fund (New Zealand) grant reviewer, Royal Society Te Apārangi

### **EDITORIAL POSITIONS**

2006-07	Associate Editor, <i>Psychophysiology</i>
2017-	Guest Editor, Proceedings of the National Academy of Sciences

### **AD HOC REVIEWER**

American Journal of Neuroradiology, Assessment, Archives of General Psychiatry, Biological Psychiatry, Biological Psychology, Brain, Cognitive Brain Research, Emotion, Frontiers in Human Neuroscience, Human Brain Mapping, International Journal of Psychophysiology, Journal of Abnormal Psychology, Journal of Cognitive Neuroscience, Molecular Psychiatry, Nature Neuroscience, Nature Reviews Neuroscience, NeuroImage, Neuropsychology, NeuroReport, PLOS One, Psychological Assessment, Psychological Bulletin, Psychological Science, Psychophysiology, Psychopharmacology, Neuropsychopharmacology, Neuropsychology, Science, Trends in Cognitive Sciences

### **UNIVERSITY SERVICE (UNM)**

2007-11	Colloquium Committee, Department of Psychology
2008-11	Graduate Admissions Committee, Department of Psychology
2008-15	Grant writing workshop for graduate students, Department of Psychology
2009-11	Web Site Committee, Department of Psychology
2009-11	Psychology Department (Logan Hall) Renovation project (Primary Investigator and Director of Neuroimaging)

2010-11	Human Subjects Review Committee, Department of Psychology
2011-15	Chair, Human Subjects Review Committee, Department of Psychology
2011-13	Chair, Grice Awards Committee, Department of Psychology
2012-13	ECE faculty search committee member
2013-14	Co-chair Behavioral Neuroscience Faculty Search Committee, Department of Psychology
2013-17	Colloquium Committee, Department of Psychology
2015-17	Awards Committee, Department of Psychology
2015-17	Honors Committee, Department of Psychology
2015-	Grant Mentoring Committee, Department of Psychology
2017	Admission Committee, Department of Psychology
2017	Faculty Search Committee, Department of Psychology
2017	Grice Awards Committee, Department of Psychology
2018	Admissions Committee, Department of Psychology
2018	Elected to Salary Committee, Department of Psychology

### ***NONPROFIT MIND RESEARCH NETWORK SERVICE***

2009-11	Space Committee Member
2009-	Research Safety Committee Member
2009-	Director of Development for MRN Mobile MRI Research Network
2011-	NIH Grant Writing Workshop Panel Member

### **TEACHING EXPERIENCE AND EDUCATIONAL WORKSHOPS**

1993	Research Methods Tutor, Department of Psychology, University of California, Davis
1993	Laboratory Teaching Assistant for Physiological Psychology, Department of Psychology, University of California, Davis
1994 - 00	Teaching Assistant for Abnormal Psychology, Introductory Psychology, Personality Psychology, and Biological Psychology, Department of Psychology, University of British Columbia
2002	Statistical Parametric Mapping for Functional Brain Imaging, Department of Psychology, Yale University (Psychology 755).
2002	Clinical Cognitive Neuroscience, Department of Psychology, Yale University (Psychology 673a/473a).
2003, 2005	Neuroimaging Analysis Course, Department of Psychology, Yale University (Psychology 412a/612a).
2005	Statistical Parametric Mapping (SPM) Short Course Faculty and local host, Yale University, New Haven, CT.
2005-07	fMRI Image Acquisition and Analyses Course, Co-sponsored by the Olin Neuropsychiatry Research Center and Yale University. Faculty lecturer and primary coordinator. With Vince Calhoun, Tom Nichols, and Rik Henson; Three-day course held three times a year.
2007 -	fMRI Image Acquisition and Analyses Course, Co-sponsored by the Mind Research Network and University of New Mexico. Faculty lecturer and primary coordinator. With Vince Calhoun and Tor Wager. Three-day course held three times a year.
2007 -	Three-day training workshop on research and assessment of psychopathy. The Mind Research Network and the University of New Mexico. Primary lecturer and coordinator. Offered annually or by request.

2007	Clinical Cognitive Neuroscience Undergraduate/Graduate Seminar, Department of Psychology, University of New Mexico (450/650).
2008	Diagnostic Interview Training Workshop on Schedule for Affective Disorders and Schizophrenia for School-Aged Children-Present and Lifetime Version (K-SADS-PL). Primary coordinator and lecturer. With Katie Herzig as primary lecturer.
2008-12	Lecturer - Judicial Education Outreach Seminars on Psychopathy (Assessment, Risk Assessment, Treatment, & Neuroscience); Sponsored by the Gruter Institute for Law and Behavioral Research ( <a href="http://www.gruterinstitute.org">http://www.gruterinstitute.org</a> ) and the John T. and Catherine D. MacArthur Foundation 'Law and Neuroscience Project' <a href="http://lawandneuroscienceproject.org">http://lawandneuroscienceproject.org</a>
2009 -	Introduction to Neuroimaging Analysis, Department of Psychology, University of New Mexico (Psychology 450/650).
2009-11	Lecturer - Judicial Education Outreach Seminars on Psychopathy (Assessment, Risk Assessment, Treatment, & Neuroscience) and Functional and Structural Brain Imaging in Forensic and Legal System, Sponsored by The Advanced Science and Technology Adjudication Resource Center (ASTAR), Inc.
2011 -	Psychology, Neuroscience and Law Laboratory, Department of Psychology, University of New Mexico (Psychology 335L)
2013 -	Psychology, Neuroscience and Law Seminar (Psychology 450/650 and UNM law), University of New Mexico

## **RESEARCH EXPERIENCE & CONSULTING**

1988-93	Research Laboratory Technician (Work Study position), Department of Anesthesiology, School of Medicine, University of California, Davis
1992-94	Post Graduate Researcher to Michael R. Levenson, Ph.D., Human Development & Family Studies, Applied Behavioral Sciences, University of California, Davis
1992-94	Research Assistant to Rosemarie Kraft, Ph.D., Applied Behavioral Sciences, University of California, Davis
1992-94	Assistant Cetacean Researcher, Marine World Africa USA, Vallejo, CA
1993-94	Post-Graduate Researcher to George R. Mangun, Ph.D., Center for Neuroscience, University of California, Davis
1995	Graduate Research Assistant to James T. Enns, Ph.D., Department of Psychology, University of British Columbia
1996	Psychology Internship, Assistant to Johann Brink, M.D., Regional Health Centre (Pacific), A division of Correctional Services of Canada, Abbotsford, B.C., Canada
1994-97	Graduate Research Assistant to Robert D. Hare, Ph.D. Department of Psychology, University of British Columbia
1996-00	Graduate Research Assistant to Peter F. Liddle, Ph.D., M.D. Department of Psychiatry, University of British Columbia
1997	Clinical Psychology Internship, Assistant to Carson Smiley, Ph.D. Regional Health Centre (Pacific), A division of Correctional Services of Canada, Abbotsford, B.C., Canada
1997-01	Clinical Functional Magnetic Resonance Imaging Technician, Department of Radiology, University Hospital, University of British Columbia
1998	Clinical Psychology Internship, Assistant to Carson Smiley, Ph.D.

	Regional Health Centre (Pacific), A division of Correctional Services of Canada, Abbotsford, B.C., Canada
1999-01	Consultant to Lakshmi Yatham, M.D., Department of Psychiatry, University of British Columbia
2001-02	Consultant to Karen Bolla, Ph.D., Department of Neurology, Psychiatry and Behavioral Services, and Environmental Health Services, Johns Hopkins Bayview Medical Center
2001-02	Consultant to Vince Clark, Ph.D., Functional Brain Imaging Program, University of Connecticut Health Science Center
2002-04	Consultant to Anna Rose Childress, Ph.D., Department of Psychiatry, University of Pennsylvania.
2004-05	Consultant to Lynn Hasher, Ph.D., Chair, Department of Psychology, University of Toronto on purchase of MRI for main campus.
2004-05	Consultant to Robert A. Veselis, M.D., Director, Neuroanesthesiology Research Laboratory, Associate Attending Anesthesiologist, Memorial Sloan-Kettering Cancer Center, Cornell Medical School.
2001-07	Senior Research Scientist, Departments of Psychiatry, Neurosurgery, and Neurology, Institute of Living, Hartford Hospital.
2002-07	Consultant to Vince Clark, Ph.D., Functional Brain Imaging Program, University of New Mexico
2006-08	Consultant to Uma Rao, M.D., Department of Psychiatry, University of Texas, Southwestern.
2006	Consultant to William Burdon, Ph.D., UCLA Integrated Substance Abuse Programs, Criminal Justice Research Group.
2009-10	Consultant to The Ohio State University, Department of Psychology on purchasing MRI for main campus (Chair Richard Petty, Ph.D.). With Vince Calhoun.
2012-13	Consultant on serial murderers to the Federal Bureau of Investigation (FBI) and Albuquerque Police Department Cold Case Division.
2007-	Forensic legal consultant on civil and criminal cases; approximately 10 cases per year.

## **LEGAL EDUCATION**

2007-15	Federal Judicial Center, Neuroscience Education for Federal Judges
2007-10	State of Illinois Public Defender's Office, Public Defender's Office of DuPage County, Illinois
2007-10	Private Defense Attorney Steve Greenberg, Chicago, Illinois
2008-09	Private Defense Attorney John Houlihan, Chicago, Illinois
2008-09	Private Defense Attorney Jeremy Karlin, Galesburg, Illinois
2011-12	2 <sup>nd</sup> Federal Circuit Judicial Education
2012-14	State of Missouri Public Defender's Office
2013	Alaska Bar Association & Federal Judicial Center
2013	State of Nevada Judicial Education
2013-14	State of New Mexico Judicial Education
2013	State of New Mexico Prosecutor's Office
2013	State of Georgia Public Defender's Office
2015	Bar Association of Texas, Juvenile Division
2018	Federal Judicial Center, Neuroscience Education for Federal Judges





**STUDENTS/ POSTDOCS/ SCIENTISTS SUPERVISED****Current:**

- Sandra Wiley de Navarro (2019-current). Undergraduate student researcher at UNM. Role: Primary mentor.
- Darin Russel Brown (2016-current). Ph.D. student in cognitive neuroscience at UNM. Role: Comps committee and Dissertation committee member.
- Ashly Sajous-Turner (2017-current). A PREP Scholar. Role: Primary mentor on her post bac research project.
- Bethany Edwards (2017-current). Received B.A. Purdue University, 2007, MA Psychology, University of South Florida 2017; Role: Primary graduate Ph.D. mentor. NRSA Graduate Fellowship score 20; awaiting funding.
- Devin Jones Ulrich (2016-current). Received B.A. Duke University, 2016. Role: Primary graduate mentor.
- Michael Maurer (2014-current). Received B.A. Psychology 2012, University of California-Davis. NRSA Graduate Fellowship Recipient (1<sup>st</sup> percentile). Role: Primary graduate mentor and NRSA mentor.
- Nathaniel Anderson (2011-current), Ph.D., Psychology, Baylor College. Role: Primary postdoctoral mentor. NRSA post-doctoral application scored 1<sup>st</sup> percentile (11/11/12).
- Carla Harenski, Ph.D., (2006-current). Ph.D., Psychology, Emory University. NRSA Post-Doctoral Fellowship 2007-2010. Role: NRSA mentor and primary post-doctoral supervisor. Dr. Harenski is currently research faculty in Dr. Kiehl's laboratory.

**Past: (sample)**

- Dana Crooks (2016-2018). Received B.A. University of New Mexico, 2017. Role: Primary mentor of undergraduate honors thesis. Winner of Outstanding Honors Thesis Award in 2017, Department of Psychology, UNM.
- Samantha Fede (2012-2017). Received B.A. in Psychology and Philosophy 2011, Virginia Polytechnic University. Role: Primary graduate mentor. Currently NIAAA post doctoral fellow.
- Eyal Aharoni, Ph.D., (2012-2015). Ph.D. in Psychology, UCSB, NRSA Fellow 2012-2015. Role: Primary postdoctoral supervisor. Currently assistant professor, Georgia State University.
- Vaughn Steele (2011-2015). Ph.D., Psychology, University of Minnesota. Role: Primary postdoctoral mentor. Currently post doctoral fellow, NIAAA.
- Julia Lushing (2013-2015). Received B.A. in Psychology 2006, Haverford College; received JD Yeshiva University School of Law 2012. Role: Primary graduate mentor (masters degree).
- Simone Viljoen (2014-2015). Ph.D., Forensic Psychology, Simon Frazer University. Role: Primary post-doctoral mentor.
- Edward Bernat (2011-2014). Ph.D., Psychology, University of Michigan, NIDA K01 awardee. Role: Primary mentor on K-award.
- Dustin Pardini (2011-2014). Ph.D., Clinical Psychology, University of Alabama. Currently Assistant Professor of Psychiatry at the University of Pittsburgh. Role: Consultant on K-award.
- Gina Vincent (2010-2014). Ph.D., Forensic Psychology, Simon Fraser University, NIDA K01 awardee. Role: Co-mentor on K-award.

- Lora Cope (2007- 1013). Received B.S., 2004, The Ohio State University. Graduate student in Cognitive Science, Department of Psychology, University of New Mexico. Role: Primary graduate school advisor.
- Elsa Ermer, Ph.D. (2008-2012). Received B.A., 2000, Franklin and Marshall College; M.A., 2002 and Ph.D., 2007, University of California, Santa Barbara. NRSA Post-Doctoral Fellowship 2010-2012. Role: NRSA mentor and primary post-doctoral supervisor. Dr. Ermer accepted a faculty position as an assistant professor of psychology at Adelphi University in 2012.
- Brandi Fink, Ph.D. (2009-10). Received Ph.D., 2010, University of New Mexico. Role: Primary post-doctoral supervisor.
- Mathew Shane, Ph.D. (2006-2009). Received Ph.D., 2004, University of Toronto. Role: Primary post-doctoral supervisor; NIDA I/START Mentor.
- Gillian Munro, Ph.D. (2008-2009). Received B.A. 2002, University College of the Cariboo, M.A. 2004 and Ph.D. 2008, University of Waterloo. Role: Primary post-doctoral supervisor.
- Deidre Reis (2006-2009), doctoral student in cognitive psychology, NRSA recipient, Department of Psychology, Yale University, Role: Imaging advisor, dissertation committee.
- Michael Stevens, Ph.D., (2002-2009). Received Ph.D. 1999, Department of Psychology, University of Connecticut-Storrs. Appointed junior faculty in the Olin Neuropsychiatry Research Center, 2002-2004. K-awardee 'Neuroimaging Cognition in Adolescent Behavior Disorders' (2004-2009). Role: Primary Advisor; co-mentor on K-Award
- Jana Schaich Borg (2005-2007). Received B.A. Dartmouth College, 2003; Currently NRSA recipient and doctoral student in neuroscience, Stanford University. Role: Primary NRSA mentor and post-graduate mentor 2005-2007.
- Elizabeth Stevens (2004-2006). Received B.A., University of California, Los Angeles 2001. Received Ph.D. in Clinical Psychology in 2006, Dissertation Title "Cognitive Style and Adolescent Psychopathy: An Exploratory Investigation", Department of Psychology, Yale University. Role: Primary Graduate School Advisor
- Derek Mitchell, Ph.D. (1996-1998), University of British Columbia; Post doc, NIMH Mood Disorders Program, currently faculty University of Western Ontario. Received Ph.D., 2005, Department of Psychology, Institute of Cognitive Neuroscience, University College London. Role: Co-advisor of Undergraduate Honors Thesis.
- Sara Johnson, M.D. (1996-1998), University of British Columbia Currently in private practice. Received MD, 2002, University of British Columbia. Role: Primary Advisor of Undergraduate Honors Thesis.
- Adrien Desjardins, Ph.D., (1998-2001), University of British Columbia, Ph.D., MIT-Harvard College Biophysics. Role: Advisor of Undergraduate Honors Thesis.
- Kristin Laurens, Ph.D. (2000-2001). Received Ph.D. 2003, Neuroscience, University of British Columbia; Post-doctoral Fellow, University of Nottingham 2004-5; Role: Co-mentor on dissertation.
- Athena Vouloumanos, Ph.D. (1999-2000). Received Ph.D., 2003, Department of Psychology, University of British Columbia. Currently Assistant Professor McGill University, Montreal, CA. Role: Primary mentor on fMRI training
- Alan Bates, Ph.D. (1998-2000). Received Ph.D., University of Nottingham, 2004; Currently medical student, University of British Columbia. Role: Primary mentor on undergraduate training in fMRI and ERPs.

Adrianna Mendrek, Ph.D. (2000-2001). Received Ph.D., 2002, Department of Psychology, University of British Columbia. Currently, Research Professor, University of Montreal, Montreal, CA. Role: Co-mentor on doctoral dissertation.

Timothy O'Keefe, B.S. (2002-2004). Currently research trainee, Brown University. Role: Primary supervisor of post-graduate training period.

Kim Celone, B.S. (2002-2004). Currently doctoral candidate Clinical Psychology, Boston University, 2005. Role: Primary supervisor of post-graduate training period.

Matthew Johnson, B.A. (2003-2005). Currently doctoral candidate Neuroscience, Yale University. Role: Co-supervisor of post-graduate training period.

Joseph Bates (2004-2005), Masters student in cognitive science, Department of Psychology, Yale University. Role: Primary Advisor

Valentina Gumenyuk, Ph.D. (2004-2005). Received Ph.D., 2004, Cognitive Brain Research Unit, Department of Psychology, University of Helsinki (Supervisor, Risto Naatanen). Post-doctoral fellow (part-time), Olin Neuropsychiatry Research Center, Institute of Living, Hartford, CT. Role: Primary Post-doctoral supervisor.

Heather Gordon, Ph.D. (2004-2005). Received Ph.D., Cognitive Psychology, Department of Psychology and Brain Sciences, Dartmouth College. Postdoctoral fellow (part time), Olin Neuropsychiatry Research Center, Institute of Living, Hartford, CT. Role: Adjunct Advisor of Doctoral Dissertation. Dr. Gordon is currently an agent for the FBI.

**GRANT HISTORY**

	Total Direct Costs	Total Indirect Costs	Total Grant Dollars
<b>NIH/NSF Funding as Primary Investigator *</b>	\$23,507,535	\$17,234,352	\$40,741,887
<b>Non-NIH funding*</b>	\$4,574,900	\$3,336,328	\$7,911,228
<b>Total**</b>	<b>\$28,068,435</b>	<b>\$20,559,480</b>	<b>\$48,627,915</b>
<b>Current backlog FY2019-FY2022</b>	<b>\$7,900,000</b>	<b>\$6,320,000</b>	<b>\$14,220,000</b>

\*Since 2004, includes grants awarded as Primary Investigator or Primary Investigator on sub-award;  
Does not include grants awarded as co-investigator or collaborator.

\*\*Does not include confidential contract work.

**FEDERAL GRANTS – ACTIVE**

Effort level

NSF: (MPIs: Aharoni/ <b>Kiehl</b> ) <i>Neurobiologically-informed risk assessment: An empirical examination</i> Develop algorithms to predict antisocial outcomes. Role: MPI; Subcontract PI	09/01/18-08/31/20 \$316,167/yr	10% or 1.2
NIH: 1R01AA026290-01A1 (MPI: <b>Kiehl</b> /Koenigs) <i>Mindfulness for Alcohol Abusing Offenders: Mechanisms and Outcomes</i> Randomized treatment study examining efficacy and neural changes associated with mindfulness vs relapse prevention in female offenders. Role: MPI on award	07/01/18-06/31/22 \$435,000/yr direct costs \$3,706,215 total costs	15% or 2.4
NIH: 5R01MH109329-02 (MPI: Decety/ <b>Kiehl</b> ) <i>Socioemotional processing in female offenders</i> Examine empathic processing in female offenders with severe personality problems. Role: MPI on award; PI on subaward	06/01/16-05/31/21 \$375,000/yr direct costs \$4,049,076 total costs	15% or 2.4
NICHD: 1R01HD082257-01 (PI: <b>Kiehl</b> ) <i>Brain changes and outcomes associated with evidence-based treatment in high-risk youth</i> Examine brain changes in incarcerated high-risk youth undergoing intensive cognitive behavioral/contingency management treatment Role: Primary Investigator	07/01/15-06/30/20 \$410,000/yr direct costs \$4,072,441 total costs	15% or 2.6
NICHD: 1R01HD092331-01 (PI: <b>Kiehl</b> ) <i>Externalizing outcomes in high risk youth</i> Conduct longitudinal outcomes study of n>300 high risk youth. Role: Primary Investigator	08/01/17-07/30/22 \$450,000/yr direct costs \$3,526,787 total costs	15% or 2.6
NIMH: 1R01MH114028 (PI: Harenski) <i>Socioemotional Processing and Aggression</i> Examines highly aggressive inmates with mental illnesses to differentiate among etiological trajectories promoting these behaviors Role: Co-Investigator	12/1/17 – 11/30/22 \$400,000/yr direct costs \$3,459,820 total costs	15% or 2.4

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DARPA: (PI: Vogelstein)	3/01/18-2/28/20	10% or 1.2
<i>Lifelong Learning Machines (L2M)</i>		\$165,000/yr direct costs
Teaching machines to learn without supervision to predict outcomes.		\$594,000 total costs
Role: Subcontract PI		

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## FEDERAL GRANTS – PENDING

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NIH: 2R01DA026505-06 (PI: <b>Kiehl</b> )	10/01/18-11/31/23	20% or 2.4
<i>Socio-moral processing in female stimulant abuse and psychopathy</i>		\$4,021,533 total
Test hypotheses regarding brain changes associated with substance abuse in women and the modulating role of psychopathic traits in an incarcerated sample.		
Role: Primary Investigator		
R56 one year award accepted; renewal application resubmitted		

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NIH: R01MH112575-01 (PI: <b>Kiehl</b> )	07/01/18-06/30/23	20% or 2.4
<i>Static and dynamic functional connectivity supporting social-emotional processes among incarcerated adults</i>		\$4,213,131 total
Examine how different developmental trajectories in emotion-related brain circuits contribute to behavioral and mental health outcomes, and how external environmental influences, such as exposure to childhood trauma, may impact long-range emotional functioning and adverse behavioral consequences.		
Role: Primary Investigator		

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NIH: R01MH115009 (PI: <b>Kiehl</b> )	04/01/18-03/31/23	20% or 2.4
<i>A multi-cohort longitudinal study of affect and cognitive control in a large forensic population</i>		\$4,200,000 total
Examine age related changes in emotional functioning in a large sample of incarcerated youth and adults.		
Role: Primary Investigator		

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NIH: R01MH116024 (PI: <b>Kiehl</b> )	07/01/18-06/30/23	20% or 2.4
<i>Neuroimaging prediction of longitudinal risk for externalizing outcomes among females</i>		\$4,373,924 total
Examine several brain measures together with life course variables to differentiate between paths to desistence and persistence of serious disruptive behavior among women.		
Role: Primary Investigator		

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NIH: R21DA047622 (PI: Anderson/Liu)	09/01/18-08/31/20	5% or 0.6
<i>A multivariate examination of genetic and environmental contributions to neural networks supporting substance use disorders</i>		\$ 486,750 total
Applies novel multivariate analytic approaches examining genetic and environmental influences on neural networks supporting the initiation, maintenance, and desistance of substance use disorders among a sample of young offenders followed longitudinally through adulthood.		
Role: Co-Investigator		

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NIH: R01 (PI: Gaudet)	09/01/18-08/31/20	10% or 1.2
<i>Ethics of Neuroprediction: Addressing challenges in translational applications of technology from the BRAIN initiative</i>		\$2,500,000 total
Examining ethical issues with using neuroimaging to predict future outcomes		
Role: Co-Investigator		

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## FEDERAL GRANTS – PAST

<p>NIDA: 1R56DA026505 (PI: Kiehl)  <i>Socio-moral processing in female stimulant abuse and psychopathy</i>            One year award to develop predictive algorithms in high risk female offenders            Role: Primary Investigator</p>	<p>09/01/17-08/30/18      10% or 1.2            \$175,000/yr direct costs            \$300,000 total costs</p>
<p>NIDA: 1R01DA026964-01A1 (PI: Kiehl)  <i>Action monitoring, action observation and dopamine genes as predictors of substance abuse</i>            To utilize multimodal imaging techniques (ERP/fMRI) to characterize the integrity of neural circuits engaged in action-monitoring in incarcerated drug-abusers.            Role: Primary Investigator</p>	<p>07/01/10 - 06/30/17      20% or 2.4            \$3,065,259 total</p>
<p>NIMH: R01 MH090169-01 (PI: Kosson)  <i>Neural Substrate of Cognitive and Emotional Deficits in Psychopathy</i>            Comparison of three models of psychopathy, left hemisphere dysfunction, response modulation, and paralimbic dysfunction.            Role: Subcontract PI (\$1,500,000 direct costs)</p>	<p>06/01/11 - 05/30/16      10% or 1.2            \$3,753,930 total</p>
<p>NIMH: R01 MH087525-01 (PI: Decety)  <i>Neurological mechanisms of empathetic and emotional processes in individuals who vary in psychopathic traits</i>            Develop an integrative understanding of the functional neuroanatomy of empathy dysfunctions in psychopathic individuals.            Role: Subcontract PI (~\$1,000,000 direct costs)</p>	<p>06/01/11 - 05/30/16      10% or 1.2            \$2,514,850 total</p>
<p>NIDA; 1R01DA026505-01A1 (PI: Kiehl)  <i>Socio-moral processing in psychopathy and substance abuse</i>            To use functional imaging to elucidate and characterize the functional neuroanatomy of processing of moral stimuli for linguistic and picture stimuli in psychopathy and substance abuse            Role: Primary Investigator</p>	<p>09/01/09-05/31/15      20% or 2.4            \$424,868/yr direct costs;            \$3,436,621 total costs</p>
<p>NIMH; 1R01MH085010-01A1 (PI: Kiehl)  <i>The cognitive neuroscience of female psychopathy</i>            To test the paralimbic dysfunction hypothesis of psychopathy in female offenders using event-related potentials and functional magnetic resonance imaging            Role: Primary Investigator</p>	<p>07/17/09–04/30/15      20% or 2.4            \$396,653/yr direct costs;            \$3,360,119 total costs</p>
<p>NIMH; 1 R01 MH071896-01 (PI: Kiehl)  <i>Neurocognitive assessment of ‘Callous’ Conduct Disordered youth</i>            To use ERP and fMRI measures to test the hypothesis that youth with Callous Conduct Disorder show abnormalities in the paralimbic system            Role: Primary Investigator</p>	<p>02/01/06-12/30/11      14% or 1.68            \$212,500/yr direct costs;            \$1,815,000 total costs</p>

<p>NIDA; 1 R01 DA020870-01 (<b>PI: Kiehl</b>)  <i>Neurocognitive changes associated with behavioral treatment in cocaine abusers</i>  To examine functional and structural changes associated with three cognitive behavioral treatment protocols in cocaine abusers.  Role: Primary Investigator</p>	<p>10/01/05-09/30/11      10% or 1.2  \$388,096/yr direct costs;  \$2,942,529 total costs</p>
<p>NIMH; 1 R01 MH072681-01 (<b>PI: Kiehl</b>)  <i>Abnormal functional connectivity in psychosis</i>  To use functional imaging measures to differentially diagnose schizophrenia from psychotic bipolar illness.  Role: Primary Investigator</p>	<p>07/01/05-06/30/11      10% or 1.2  \$212,500/yr direct costs;  \$1,542,750 total costs</p>
<p>NIDA/NIH 1R21DA027149-01 (MPIs: Shane, Posse, <b>Kiehl</b>)  <i>Using rt-fMRI to modulate neural responses to drug and nondrug rewards in cocaine abusers</i>  To test the feasibility of real-time functional magnetic resonance imaging (rt-fMRI) aided neurofeedback for facilitating voluntary modulation of reward-related neural activity in incarcerated adolescent cocaine abusers.  Role: Multiple Primary Investigator Award</p>	<p>08/15/09 - 07/31/11      5% or 0.6  \$469,334 total</p>
<p>NIDA: 1 R21DA029464-01 (MPIs: Shane, Posse, <b>Kiehl</b>)  Using Real-Time MRI to facilitate neuromodulation to drug-cues in adolescent substance abuse  To characterize the extent to which real time-fMRI neurofeedback can facilitate adolescent cocaine abusers' ability to modulate their neural response to drug- and nondrug-related reward in select brain areas.  Role: Multiple Primary Investigator Award</p>	<p>10/01/09 – 9/30/12      10% or 1.2  \$671,560 total</p>
<p>NIMH 2 R01 R3743775-14 (PI: Pearlson)  <i>Quantitative neuroimaging in psychosis</i>  Investigates circuit-wide abnormalities in schizophrenia using functional and structural brain MRI in schizophrenia and healthy controls.  Role: Co-Investigator</p>	<p>6/1/09-05/31/13      5% or .6  \$360,000/yr</p>
<p>NIH/NCRR 1P20 RR021938-01A1 (Calhoun)  <i>COBRE: Neural mechanisms of schizophrenia: Use of multiple tools to examine dysfunctions in neural integration</i>  Examines functional and anatomical connectivity in schizophrenia using multimodal neuroimaging analyses  Role: Co-Investigator</p>	<p>9/8/08-6/30/13      5% or .6  \$1,725,415/yr</p>
<p>NIMH: RO1 MH077945-01 (PI: Pearlson)  <i>Bipolar &amp; schizophrenia consortium for parsing endophenotypes</i>  To examine electrophysiologic, oculomotor, cognitive and structural brain changes and genotypes associated with psychotic bipolar illness and schizophrenia in patients and unaffected first-degree relatives. This is a 5-site collaborative linked investigation.  Role: Co-Investigator</p>	<p>12/01/07-11/30/12      2.5% or 0.3  \$670,295/yr; \$3,936,632 total</p>

NIBIB/NIMH; 1R01EB006841 (PI: Calhoun)	04/01/07-03/31/11	10% or 1.2
<i>Multivariate methods for identifying multi-task/multimodal brain imaging biomarkers</i>		\$220,000/yr
To develop methods, based upon independent component analysis, for joint-statistical analysis of multi-task and multimodal brain data (functional MRI, DTI, structural MRI) in order to make inferences about brain connectivity, to apply these methods to patients with schizophrenia and healthy controls, and to develop, and make publicly available, an online web-enable database implementing our joint ICA approach.		
Role: Co-Investigator		
NIAAA; 1 R01 AA017390-01 (PI: Bryan)	10/01/07-09/30/12	5% or .6
<i>HIV prevention with adolescents: Neurocognitive deficits and treatment response</i>		\$395,531/yr
This research is designed to understand the genetic and neurocognitive predispositions that contribute to sexual risk behaviors that place criminally-involved adolescents at high risk of unintended pregnancy and STDs including HIV/AIDS. The findings will help us to design better interventions to decrease alcohol-related sexual risk behavior in this population of highly vulnerable young people.		
Role: Co-Investigator		
NIMH; 1 R01 MH074934-01 (PI: Tolin)	05/01/06-04/30/10	5% or .6
<i>Neural mechanisms of compulsive hoarding</i>		\$200,000
To use functional brain imaging to assess error processing dysfunction in compulsive hoarding syndrome, obsessive-compulsive disorder, and anxious control groups.		
Role: Co-Investigator		
NSF; 1R01EB005846-01 (PI: Calhoun)	08/01/05-07/31/08	6% or 0.72
<i>Collaborative Research: Spatiotemporal fusion of fMRI, EEG, and genetic data using Independent Component Analysis</i>		\$210,000
To develop data fusion approaches for fMRI, EEG, and gene SNP array data with application to healthy controls and patients with schizophrenia		
Role: Co-Investigator		
NIBIB; 1 R01 EB 000840-01 (PI: Calhoun)	04/01/03-04/01/08	8% or 0.96
<i>Multi-group semi-blind ICA of fMRI</i>		\$250,000
To develop, evaluate the performance of, and optimize semi-blind independent component analysis for the analysis of multi-group functional magnetic resonance imaging data and to use study data previously collected from patients with schizophrenia and healthy controls performing an auditory oddball task.		
Role: Co-Investigator		
NIDA; 1 R03 (PI: Shane)	1/01/08-12/31/08	5% or .6
<i>Error detection and error awareness in incarcerated cocaine dependent individuals</i>		\$237,990
To investigate integrity of error monitoring systems in incarcerated cocaine dependent individuals, with specific consideration of conscious awareness of committed errors.		
Role: Co-Investigator		



K23 MH070036-01 Stevens (PI) <i>Neuroimaging cognition in adolescent behavior disorders</i> A 5-year Career Development Award to provide the PI skills for an independent clinical neuroscience research career investigating how brain function relates to diagnoses associated with disruptive behavior. Role: Co-Mentor	08/01/04 -07/01/09	No salary \$142,250
NIMH; 1 R01 MH070539-01 (PI: Kiehl) <i>ERP and fMRI of emotion and cognition in psychopathy</i>  To test the paralimbic dysfunction hypothesis of adult psychopathy using event-related potentials and functional magnetic resonance imaging. Role: Primary Investigator	12/01/04-11/30/08	10% or 1.2 \$202,000/yr direct costs; \$1,192,320 total costs
NIDA; RO1 DA 11426 (PI: Bolla). <i>Cocaine abuse and limbic prefrontal function</i> Examination of prefrontal function in cocaine abusers using positron emission tomography. Role: Consultant	10/01/98-09/30/02	Consultant \$738,423
<b>ADDITIONAL NON-FEDERAL FUNDING – ACTIVE</b>		
None		
<b>ADDITIONAL NON-FEDERAL FUNDING - PAST</b>		
MacArthur Foundation Law and Neuroscience Project (Part 2) <i>Analysis of Moral Judgment in Psychopaths, Punishment Decisions by Psychopaths, Brain Structure in Psychopaths and Addicts (sMRI), and Dehumanization in Psychopaths via fMRI imaging and clinical assessment.</i> Role: Primary Investigator	1/1/2009-6/31/2011	\$534,900
MacArthur Foundation Law and Neuroscience Project (Part 1) <i>Mapping of brain activity to chart connections among brain region and activities to fully understand brain functions and disorders.</i> Role: Primary Investigator	7/1/2008-6/30/09	\$150,000
National Alliance on Research in Schizophrenia and Depression (NARSAD) (PI: Kiehl) <i>Hemodynamic assesment of neurocognitive remediation in schizophrenia.</i> Young Investigator Award to assess changes in attention and working memory in schizophrenia as assessed with fMRI following cognitive remediation. Role: Primary Investigator Mentors: Drs. John Krystal and Bruce Wexler, Yale University	08/01/01-07/31/03	No salary \$60,000
Institute of Living Open Grant Competition Award (PI: Stevens) <i>Response inhibition in Attention-Deficit/Hyperactivity Disorder</i> Double-blind placebo study of the effects of stimulant medication on response inhibition processes in ADHD. Role: Co-Investigator	07/01/04-06/30/06	No salary \$65,000

Institute of Living Open Grant Competition Award (PI: Stevens) <i>Neuropsychology and DTI of Traumatic Brain Injury</i> <i>Test-retest study examining functional and structural (gray and white matter) changes associated with acute traumatic brain injury</i>	07/01/04-06/30/06	No salary \$75,000
Institute of Living Open Grant Competition Award (PI: Kiehl) <i>Electrophysiological assessment of error monitoring in psychotic illnesses</i> To examine brain potential correlates of error-monitoring in patients with schizophrenia Role: Primary Investigator	8/01/02-7/31/03	No salary \$50,000
Institute of Living Open Grant Competition Award (PI: Kiehl) <i>Differentiating the neural systems involved in psychosis: Affective disorder versus schizophrenia</i> Pilot study to collect ERP and fMRI data in patients with bipolar illness and schizophrenia to develop algorithms to discriminate them. Role: Primary Investigator	01/15/03-01/14/04	No salary \$50,000
Institute of Living Open Grant Competition Award (PI: Tolin) <i>A pilot study of conflict monitoring in obsessive-compulsive disorder: Relationship to symptoms and treatment response</i> A pilot study examining changes in conflict monitoring in OCD associated with cognitive behavioral treatment Role: Co-Investigator	08/01/02-07/31/03	No salary \$50,000
Institute of Living Open Grant Competition Award (PI: Maltby) <i>Dismantling the neural systems of obsessive-compulsive disorder: A symptom provocation study of compulsive hoarding.</i> A pilot fMRI study of a symptom provocation paradigm in individuals with compulsive hoarding disorder. Role: Co-Investigator	01/15/03-01/14/04	No salary \$50,000
Institute of Living Open Grant Competition Award (PI: Calhoun) <i>Functional mapping of the neocortical network in schizophrenia: Executive-function impairments and spontaneous fluctuations in fMRI.</i> A pilot study employing Independent Component Analyses to examine functional connectivity in patients with schizophrenia during working memory and 'resting' state paradigms. Role: Co-Investigator	01/15/03-01/14/04	No salary \$50,000

## **SOFTWARE AND HARWARE DEVELOPMENT**

- 1994–99      LumiTouch reply system. Fiber-optic response device for collection of behavioral data in magnetoencephalography and functional magnetic resonance imaging experiments. In collaboration with John Kidder, CEO, and Doug Broadfoot, Lightwave Medical Inc. Vancouver, B.C., Canada. <http://www.photonixco.com> Patent Pending.
- 1995      Conversion programs for creating ANALYZE format images from GE structural and functional data sets. In collaboration with Scott Morrison. Software available upon request.
- 1995      MRI off-line reconstruction software for EPI data on the Silicon Graphics Workstations. In collaboration with Bryan Mock, University of Wisconsin – Madison; General Electric Medical Systems, Milwaukee, WI. Software available upon request.
- 1998-04      CIRC – computer program designed to monitor and analyze behavioral performance online during behavioral, event-related potential, magnetoencephalography, and functional magnetic resonance imaging experiments. In collaboration with Arthur Jones.
- 1998-04      Digitize – Solaris based high-resolution EEG acquisition system. Designed for collection of up to 128 channels of EEG for brain mapping and source localization. In collaboration with Arthur Jones. <http://sourceforge.net/projects/digitize>
- 1999      Talairach atlas labeling system. Software designed to automatically search the results of functional imaging data and label with brain structures from the Talairach atlas. In collaboration with Adrien Desjardins and Peter Liddle. Software available upon request.
- 1994-08      Visual and Auditory Presentation Package (VAPP). Software designed for presenting visual and auditory stimuli for behavioral, event-related potential, magnetoencephalography, and functional magnetic resonance imaging experiments. In collaboration with Tony Gray, Peter Liddle, Ron Mangun, Steve Hillyard, Steve Luck and Marty Woldorff
- 2002-      Group Independent Component Analyses Software (GIFT and EEGIFT). Software designed to permit end-users to use Independent Component Analyses to analyses multimodal neuroimaging data. Effort directed by Dr. Vince Calhoun – see <http://mialab.mrn.org/software/>

**PRINT AND FILM MEDIA**  
**FEATURING KIEHL LABORATORY**  
**(List not exhaustive)**

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[http://www.newyorker.com/reporting/2008/11/10/081110fa\\_fact\\_seabrook](http://www.newyorker.com/reporting/2008/11/10/081110fa_fact_seabrook)
2. "Investigating the Psychopathic Mind" by Greg Miller, Science, September 5, 2008, 321, 1284-1286. <http://www.sciencemag.org/content/321/5894/1284.full>
3. "fMRI Evidence Used in Murder Sentencing" by Greg Miller, ScienceInsider, November 23, 2009. <http://news.sciencemag.org/scienceinsider/2009/11/fmri-evidence-u.html>
4. "Can a cure be found for criminal psychopaths?" by Vancouver Province, November 9, 2008, <http://www.canada.com/theprovince/news/story.html?id=ae435865-342e-4371-8cdd-999555eded4b>
5. "A Mind of Crime" (Lead cover article) by Michael Haederle, Miller-McCune, February 23, 2010, <http://www.miller-mccune.com/legal-affairs/a-mind-of-crime-8440/>
6. "Science labors to understand 'biology of violence'" by University of New Mexico for the Albuquerque Tribune, May 16, 2007. <http://www.abqtrib.com/news/2007/may/16/kent-kiehl-science-labors-understand-biology-viole/>
7. "Study: Brain scans can help identify schizophrenia", by William Hathaway, Hartford Currant, April 6, 2004. [http://articles.courant.com/2004-04-06/news/0404060731\\_1\\_scans-brain-activity-schizophrenics](http://articles.courant.com/2004-04-06/news/0404060731_1_scans-brain-activity-schizophrenics)
8. "The Mind of the Psychopath: Contours of Evil", by William Hathaway, Hartford Currant, December 18, 2005. Front page cover article. [http://articles.courant.com/2005-12-18/news/0512180075\\_1\\_psychopaths-brain-scans-kiehl](http://articles.courant.com/2005-12-18/news/0512180075_1_psychopaths-brain-scans-kiehl)
9. "New Mexico scientist studies psychopaths using brain scans", by Sue Vorenberg, Albuquerque Tribune, September 26, 2007. <http://www.abqtrib.com/news/2007/sep/26/new-mexico-scientist-studies-psychopaths-using-bra/>
10. "Psychopaths Keep Their Eyes on the Prize" by Michael Torrice, Science Now. <http://news.sciencemag.org/sciencenow/2010/03/psychopaths-keep-their-eyes-on-t.html>, March 26, 2010.
11. "Science in court: Head Case", by Virginia Hughes. Nature. <http://www.nature.com/news/2010/100317/full/464340a.html>, March 18, 2010. See also <http://www.nature.com/nature/podcast/index-2010-03-18.html>
12. "Psycho Killers, Qu'est-ce que C'est?" by Jeannette Cooperman in St. Louis Magazine <http://www.stlmaq.com/media/St-Louis-Magazine/February-2010/Psycho-Killers-Qu-rsquoest-ce-que-C-rsquoest/>

13. "Inside A Psychopath's Brain: The Sentencing Debate", by Barbara Bradley Hagerty, National Public Radio (NPR). June 30, 2010.  
<http://www.npr.org/templates/story/story.php?storyId=128116806>
14. "Can Genes and Brain Abnormalities Create Killers?" Talk of the Nation, National Public Radio (NPR). July 6, 2010.  
<http://www.npr.org/templates/story/story.php?storyId=12833930>
15. "The Mind of a killer. How a psychopath is made", by Anne McIlroy and Erin Anderssen. Globe and Mail, Canada. October 22, 2010.  
<http://www.theglobeandmail.com/news/national/russell-williams/how-a-psychopath-is-made/article1769674/singlepage/#articlecontent>
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<http://www.canada.com/biology+evil+Could+psychopaths+victims+wiring/5804344/story.html>
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23. "Future Tense Event Recap: Will Neurolaw Change the Judicial System-and Does Free Will Exist?" by Torie Bosch, October 22, 2012. The New America Foundation/Slate Magazine Neuroscience and Law Symposium in Washington DC. October 23, 2012: [http://www.slate.com/blogs/future\\_tense/2012/10/22/neurolaw\\_a\\_future\\_tense\\_event\\_on\\_neuroscience\\_the\\_judicial\\_system\\_free\\_will.html](http://www.slate.com/blogs/future_tense/2012/10/22/neurolaw_a_future_tense_event_on_neuroscience_the_judicial_system_free_will.html)
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- <http://www.nature.com/news/brain-scans-predict-which-criminals-are-more-likely-to-reoffend-1.12672>,
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  27. <http://www.the-scientist.com/?articles.view/articleNo/34858/title/Brain-Activity-Predicts-Re-arrest/>
  28. <http://www.scpr.org/programs/take-two/2013/03/27/31063/study-brain-scans-can-predict-which-criminals-will/>
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39. <http://www.wired.com/2014/04/psychopath-brains-kiehl/>
40. <http://www.biographile.com/qa-psychopath-whisperer-dr-kent-a-kiehl-on-the-brains-of-maniacs/30934/>
41. <http://www.nbcnews.com/science/science-news/mapping-criminal-mind-n246031>
42. [http://www.slate.com/articles/health\\_and\\_science/science/2015/03/is\\_robert\\_durst\\_a\\_psychopath\\_hbo\\_s\\_the\\_jinx\\_subject\\_is\\_suspected\\_of\\_murder.html](http://www.slate.com/articles/health_and_science/science/2015/03/is_robert_durst_a_psychopath_hbo_s_the_jinx_subject_is_suspected_of_murder.html)
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[http://www.radionz.co.nz/audio/player?audio\\_id=201813430](http://www.radionz.co.nz/audio/player?audio_id=201813430)
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<http://www.nationalgeographic.com/magazine/2017/08/science-good-evil-charlottesville/>
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[http://dana.org/News/Seeking\\_Clues\\_to\\_Criminality\\_in\\_the\\_Brain/](http://dana.org/News/Seeking_Clues_to_Criminality_in_the_Brain/)
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**PEER-REVIEWED PUBLICATIONS**

<b>Google Scholar Results (as of 09/01/19): &gt;200 Peer-reviewed publications</b>		
	<b>All</b>	<b>Since 2014</b>
<b>Citations</b>	22,495	12,071
<b>h-index</b>	77	58
<b>I10-index</b>	179	169

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201. Thomson, N.D., Bjork, J., & Kiehl, K.A. (2019). Violence and aggression in young women: The importance of psychopathy and neurobiological function. *Physiology and Behavior*, 201,130-138. doi: 10.1016/j.physbeh.2018.11.043
202. **Fede, S.J.** & Kiehl, K.A. (2019). Meta-analysis of the moral brain: Patterns of neural engagement assessed using Multilevel Kernel Density Analysis. *Brain Imaging and Behavior*, 1-14. doi: 10.1007/s11682-019-00035-5
203. Thomson, N.D., Vassileva, J., Kiehl, K.A., Reidy, D., Aboutanos, M., McDougale, R., & DeLisi, M. (2019). Which features of psychopathy and impulsivity matter most for prison violence? New evidence among female prisoners. *International Journal of Law and Psychiatry*, 64, 26-33. doi: 10.1016/j.ijlp.2019.01.001
204. **Caldwell, B.M.**, Anderson, N.E., Harenski, K.A., **Sitney, M.H.**, Caldwell, M.F., Van Rybroek, G.J., & Kiehl, K.A. (2019). The structural brain correlates of callous-unemotional traits in incarcerated male adolescents. *NeuroImage Clinical*, 22, (online epub). <https://doi.org/10.1016/j.nicl.2019.101703>
205. **Maurer, J.M.**, **Steele, V.R.**, Vincent, G.M., Rao, V., Calhoun, V.D., & Kiehl, K.A. (2019). Adolescent psychopathic traits negatively relate to hemodynamic activity within the basal ganglia during error-related processing. *Journal of Abnormal Child Psychology*, May 18. doi: 10.1007/s10802-019-00560-3. [Epub ahead of print]
206. Aharoni, E., Anderson, N.E., Barnes, J.C., Allen, C.H., & Kiehl, K.A. (in press). Mind the gap: Toward an integrative science of the brain and crime. *Biosocieties*
207. **Sajous-Turner, A.**, Anderson, N.E., **Widdows, M.**, Nyalakanti, P., Harenski, K., Harenski, C., Koenigs, M., Decety, J., & Kiehl, K.A. (2019). Aberrant brain gray matter in murderers. *Brain and Behavior*, 2019 Jul 5. doi: 10.1007/s11682-019-00155-y. [Epub ahead of print]

208. **Edwards, B.G., Carre, J.R. & Kiehl, K.A.** (in press). A review of psychopathy and Cluster B personality traits and their neural correlates in female offenders. *Biological Psychology*.

## **BOOK CHAPTERS AND POPULAR PRESS ARTICLES**

1. Kiehl, K.A. (2007). Without morals: The cognitive neuroscience of psychopathy. *Moral Psychology, Volume 3: The Neuroscience of Morality: Emotion, Brain Disorders, and Development*. W. Sinnott-Armstrong, Ed. Bradford Books, NY.
2. Kiehl, K.A. (2007). A Reply to de Oliveira-Souza, Ignácio, and Moll and Schaich Borg. *Moral Psychology, Volume 3: The Neuroscience of Morality: Emotion, Brain Disorders, and Development*. W. Sinnott-Armstrong, Ed. Bradford Books, NY.
3. **Shane, M.S.**, & Kiehl, K.A. (2007). Psychopathy as a Measure of Offender Risk: An Important Component of a Comprehensive Risk Assessment Battery. In K. Knight, D. Farabee (Eds.). *Treating Addicted Offenders: A continuum of effective practices*. Vol. 2. (pp. 8.1-8.10). Civic Research Institute: NJ.
4. **Shane, M.S.**, & Kiehl, K.A. (2007). Psychopathy as a Measure of Offender Risk: An Important Component of a Comprehensive Risk Assessment Battery. *Offender Substance Abuse Report*, 4, 1-12
5. **Harenski, C. L.**, Hare, R.D., & Kiehl, K.A. (2010). Neuroimaging, Genetics, and Psychopathy: Implications for the legal system. *Responsibility and Psychopathy: Interfacing Law, Psychiatry and Philosophy*. L. Malatesti & J McMillan, Ed., Oxford University Press, London, UK.
6. Kiehl, K.A. & Buckholtz, J.W. (September/October, 2010). Inside the Mind of the Psychopath. *Scientific American Mind*, 22-29. Cover article.
7. Kiehl, K.A. (2010). Can neuroscience identify psychopaths? *A Judge's Guide to Neuroscience: A Concise Introduction*, 47-53. M.S. Gazzaniga and J.S. Rakoff, Eds. A publication from the MacArthur Foundation Law and Neuroscience Project.
8. **Anderson, N.E.** & Kiehl, K.A. (2013). Functional Neuroimaging and Psychopathy. K.A. Kiehl & W. Sinnott-Armstrong, Eds. *Handbook on Psychopathy and Law*, Oxford Press.
9. Gaudet, L.M., **Anderson, N.E.** & Kiehl, K.A. (2014). Neuroscience of Antisocial Behavior. M.S. Gazzaniga, Ed. *The Cognitive Neurosciences V*. Sage Press.

## **EDITED BOOKS**

1. Kiehl, K.A., & Sinnott-Armstrong, W. (Editors; 2013). *Handbook on Psychopathy and Law*, Oxford Press. New York. <http://www.amazon.com/Handbook-Psychopathy-Oxford-Neuroscience-Philosophy/dp/0199841381>

## **BOOKS**

1. Kiehl, K.A. (2014). *The Psychopath Whisperer: The science of those without conscience*. Crown Publishing, A division of Random House.  
Represented by literary agency Brockman, Inc., New York City ([www.edge.org](http://www.edge.org)).  
<http://www.amazon.com/The-Psychopath-Whisperer-Science-Conscience/dp/077043584X>

[www.psychopathwhisperer.com](http://www.psychopathwhisperer.com)

*The Psychopath Whisperer* has been sold in the North America, United Kingdom, Finland, China, Germany, Turkey, Russia, and the Netherlands.

## **SCIENTIFIC PRESENTATIONS, SYMPOSIA & INVITED LECTURES**

**Summary as of 07/04/19:**

**Over 300 total scientific presentations (10+ per year since start of graduate school);**

**>100 invited lectures since relocating to UNM from Yale University in 2007 (~1 per month)**

1. Kiehl, K.A. (1993, June). *The relationship between psychopathy and two psychophysiological measures of arousability*. Paper presentation at the annual research conference of the Department of Psychology, University of California, Davis. Invited speaker.
2. Levenson, M.R., Kiehl, K.A., & Fitzpatrick, C. (1993, August). *Assessing psychopathic attributes in a noninstitutionalized population*. Poster session presented at the annual meeting of the American Psychological Association, Toronto, Canada.
3. Kiehl, K.A. & Levenson, M.R. (1994, February). *Psychopathy, arousal, and sensation seeking: A psychophysiological investigation*. Poster session presented at the annual meeting of the American Association for the Advancement of Science, San Francisco.
4. Levenson, M.R. & Kiehl, K.A. (1994, April) *Personality and deviant alcohol behavior in a nonclinical sample*. Poster session presented at the annual meeting of the Western Psychological Association, Kona, Hawaii.
5. Kiehl, K.A., Mangun, G.R., & Hare, R.D. (1995, March) *Differential hemispheric processing of affective language: An ERP study*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
6. Kiehl, K.A. & Hare, R. D. (1995, April) *Neuroimaging and its implications for understanding the psychopathic mind*. In C. Davis (Chair), Cognitive and biological correlates of psychopathy. Symposium conducted at the Mental Disorder and Criminal Justice Conference, Vancouver, Canada
7. Kiehl, K.A., Smith, A.M., Forster, B.B., & Hare, R.D. (1995, December). *Protocol for a functional MRI study of semantic and affective processing in psychopaths*. Psychopathy, Theory, Research, and Implications for Society. NATO ASI, Alvor, Portugal.
8. McDonald, J.J., Ward, L.M., Kiehl, K.A., & Richard, C.M. (1996, March) *An electrocortical analysis of inhibition of return*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
9. Forster, B.B., MacKay, A., Whittall, K.P. Kiehl, K.A., Smith, A.M., & Hare, R.D. (1996, June). *Functional MRI: The basics of the BOLD (blood oxygen level dependent) technique*. Poster session presented at the annual meeting of Canadian Association of Radiologists, Vancouver, B.C.
10. Brink, J. H., Kolton, D.J.C., Kiehl, K.A., & Strauss, P. R. (1996, October). *Schizophrenia and psychopathy: A study of comorbidity in a Canadian forensic psychiatric population*. Paper presented at the meeting Schizophrenia 1996; Breaking Down the Barriers 4th International conference. Vancouver, Canada.

11. Kiehl, K. A. & Hare, R. D. (1997, March). *Abnormal processing of affective words by psychopaths: Emotional polarity discrimination*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, Boston, MA.
12. Smith, A.M., Mendrek, A., Kiehl, K.A., Forster, B.B., MacKay, A., & Liddle, P.F. (1997, October). *Sex differences in brain activity associated with word generation: An fMRI study*. Poster presented at the annual meeting for the Society for Neuroscience, New Orleans, Louisiana.
13. Kiehl, K.A., Smith, A.M., Forster, B.B., MacKay, A.L., Whittall, K.P., Liddle, P.F. & Hare, R.D. (1997, September) *A whole-brain multi-subject fMRI comparison of EPI spin-echo, asymmetric spin-echo and gradient-echo sequences at 1.5 T*. Paper presented at the annual meeting of the Radiological Society of North America, Chicago, IL.
14. Smith, A.M., Kiehl, K.A., & Liddle, P.F. (1998, February). *Event-related potentials during a Go/ No Go task in schizophrenia*. Poster presented at the International Winter Workshop on Schizophrenia, Davos, Switzerland.
15. Kiehl, K.A. (1998, February). *Functional imaging: Watching the working brain*. Paper presented at the University of British Columbia, Science First Lecture Series. Invited speaker.
16. Kiehl, K. A., Liddle, P. F., Smith, A. M., Mendrek, A., Forster, B.B., & Hare, R.D. (1998, April) *Neural pathways involved in the processing of concrete and abstract language*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco.
17. Smith, A.M., Kiehl, K.A., Forster, B.B., Whittall, K.P., MacKay, A.L., Liddle, P.F. & Hare, R.D. (1998, April). *Whole brain EPI gradient echo fMRI: Optimizing TE to maximize signal activation and minimize susceptibility artifact in the orbitofrontal cortex*. Poster presented at the annual meeting of the International Society for Magnetic Resonance in Medicine. Sydney, Australia.
18. Kiehl, K. A., Smith, A. M., Mendrek, A., Forster, B.B., Hare, R.D., & Liddle, P. F. (1998, June) *Activation of the amygdala during an affective memory task*. Poster presented at the annual meeting of the International Society for Human Brain Mapping, Montreal, Canada.
19. Smith, A.M., Kiehl, K.A., Mendrek, A., Forster, B.B., Hare, R.D., & Liddle, P.F. (1998, June). *Whole brain fMRI of a Go/No Go task*. Poster presented at the annual meeting of the International Society for Human Brain Mapping, Montreal, Canada.
20. Kiehl, K.A., Hare, R.D., McDonald, J.J., & Liddle, P.F. (1998, September). *Event-related potential investigation of semantic processing in criminal psychopaths*. Poster presented at the annual meeting of the Society of Psychophysiological Research, Denver, Colorado.
21. Kiehl, K.A., Laurens, K.R. & Liddle, P.F. (1998, April). *Reading anomalous sentences: An event-related fMRI study of semantic processing*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Washington D.C.



22. Liddle, P.F., Mendrek, A., Kiehl, K.A., Smith, A.S., & Duty, T. (1999, April). *Fronto-temporal coordination in schizophrenia*. Paper presented at the International Congress on Schizophrenia, Santa Fe, New Mexico.
23. Liddle, P.F., Smith, A.S., Kiehl, K.A., Mendrek, A., & Hare, R.D., (1999, April). *Response inhibition in schizophrenia & psychopathy: Similarities & differences*. Poster presented at the International Congress on Schizophrenia, Santa Fe, New Mexico.
24. Kiehl, K.A., Liddle, P.F., & Hopfinger, J.B. (1999, July). *Error processing and the rostral anterior cingulate: An event-related fMRI study*. Paper presented at ICON: 7<sup>th</sup> International Conference on Cognitive Neuroscience. Budapest, Hungary. Invited speaker.
25. Smith, A.S., Liddle, P.F., Kiehl, K.A., Mendrek, A., Forster, B.B., & Hare, R.D. (1999, July). *Neural mechanisms of inhibitory processing in psychopathy and schizophrenia during a Go/No go task using fMRI*. Poster presented at the annual meeting of the European Association of Psychology and Law Conference, Dublin, Ireland.
26. Kiehl, K.A., Forster, B.B., & Liddle, P.F. (1999, October). *Abnormal semantic activation in schizophrenia as revealed by event-related fMRI*. Poster presented at the annual meeting for the Society for Neuroscience, Miami, Florida.
27. Mendrek, A., Kiehl, K.A., Smith, A.S., Duty, T., Forster, B.B., & Liddle, P.F. (1999, October). *Abnormal coordination of cerebral activity during a working memory task in schizophrenia: An fMRI study*. Poster presented at the annual meeting for the Society for Neuroscience, Miami, Florida.
28. Laurens, K.R., Kiehl, K.A., Schwarz, D. W. F., Forster, B.B., & Liddle, P.F. (1999, October). *A whole-brain event-related fMRI study of an auditory oddball task in schizophrenia*. Poster presented at the Annual meeting of the Society for Neuroscience, Miami, Florida.
29. Liddle, P. F. & Kiehl, K.A. (1999, October). *fMRI of an auditory oddball task in schizophrenia*. Paper presented at the ISBET annual meeting, Adelaide, Australia.
30. Kiehl, K.A., Liddle, P.F., & Hopfinger, J.B. (2000, April). *Error processing and the rostral anterior cingulate: An event-related fMRI study*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.
31. Vouloumanos, A., Kiehl, K.A., Werker, J.F., & Liddle, P.F. (2000, April). *Neurological bases of speech and non-speech processing: An event-related functional magnetic resonance imaging study*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.
32. Mendrek, A., Kiehl, K.A., Forster, B.B., & Liddle, P.F. (2000, April). *Encoding and retrieval of affective words: An fMRI study*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

33. Mendrek, A., Laurens, K.R., Kiehl, K.A., Ngan, E., Stip, E., & Liddle, P.F. (June, 2000). *An fMRI investigation of cerebral state and trait markers of schizophrenia*. Poster presented at the annual meeting of the International Society for Human Brain Mapping, San Antonio, Texas.
34. Kiehl, K. A., Smith, A.M., Hare, R.D., Mendrek, A., Forster, B.B., Brink, J., & Liddle, P.F. (June, 2000). *Limbic abnormalities in affective processing by criminal psychopaths as revealed by fMRI*. Poster presented at the annual meeting of the International Society for Human Brain Mapping, San Antonio, Texas.
35. Kiehl, K.A. (2000, September). *Electrophysiological and hemodynamic evidence of fronto-temporal abnormalities in psychopathic offenders*. Paper presented at the Executive Control, Errors, and the Brain meeting. Jena, Germany. Organizers Wolfgang H. R. Miltner and Michael Coles. Invited speaker.
36. Kiehl, K.A., Liddle, P.F., & Hopfinger, J.B. (2000, September). *Error processing and the rostral anterior cingulate: An event-related fMRI study*. Poster presented at the Executive Control, Errors, and the Brain meeting. Jena, Germany. Organizers Wolfgang H. R. Miltner and Michael Coles.
37. Kiehl, K.A., Bates, A.T., Laurens, K.R., Hare, R.D., Forster, B.B., & Liddle, P.F. (October, 2000). *Electrophysiological and hemodynamic evidence for fronto-temporal abnormalities in psychopathic offenders*. Poster presented at the annual meeting of the Society for Psychophysiological Research, San Diego, California.
38. Bates, A.T., Kiehl, K.A., & Liddle, P.F. (October, 2000). *Abnormal error-related negativity in schizophrenia: An event-related potential study*. Poster presented at the annual meeting of the Society for Psychophysiological Research, San Diego, California.
39. Kiehl, K.A. (January, 2001). *The psychopath electrified: Brain potentials reflect fronto-temporal abnormalities in psychopathic offenders*. Invited address given to the faculty at the Western Psychiatric Clinic, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania.
40. Kiehl, K.A., Laurens, K.R., Mendrek, A., & Liddle, P.F. (April, 2001). *Improved hemodynamic activity in first episode psychotic patients with atypical neuroleptic treatment: A six week test-retest event-related fMRI study*. Poster presented at the International Congress on Schizophrenia, Whistler, British Columbia, Canada.
41. Bates, A.T., Kiehl, K.A., & Liddle, P.F. (April, 2001). *Error-related negativity in schizophrenia and its relation to symptom profiles: An event-related potential study*. Poster presented at the International Congress on Schizophrenia, Whistler, British Columbia, Canada.
42. Mendrek, A., Laurens, K.R., Kiehl, K.A., Ngan, E., Stip, E., & Liddle, P.F. (April, 2001). *New insights into prefrontal function in schizophrenia*. Poster presented at the International Congress on Schizophrenia, Whistler, British Columbia, Canada.
43. Kiehl, K.A., Laurens, K.R., Mendrek, A., & Liddle, P.F. (June, 2001). *Improved hemodynamic activity in first-episode psychotic patients with atypical neuroleptic*

*treatment: A six-week test-retest event-related fMRI study.* Poster presented at the annual meeting of the Organization for Human Brain Mapping. Brighton, U.K.

44. Laurens, K.R. Kiehl, K.A., Smith, A., Bates, A., Forster, B.B., & Liddle, P.F. (June, 2001). *Abnormal response inhibition in criminal psychopaths: Evidence from event-related fMRI.* Poster presented at the annual meeting of the Organization for Human Brain Mapping. Brighton, U.K.
45. Kiehl, K.A. (September, 2001). *The clinical utility of functional MRI: From presurgical mapping to diagnosing psychiatric illnesses.* Invited lecture, New England Technologists Association Annual Conference.
46. Kiehl, K.A. (September, 2001). *The psychopath electrified, then magnetized: ERP and fMRI evidence for fronto-temporal abnormalities in criminal psychopaths.* Invited lecture, Yale University School of Medicine, fMRI talk series.
47. Kiehl, K.A. (December, 2001). *Delineating neural signatures in psychotic illnesses using functional brain imaging: Implications for diagnosis, treatment, and prevention.* Grand Rounds lecture for the Department of Psychiatry at the Institute of Living Psychiatry.
49. Kiehl, K.A. (December, 2001). *The psychopath electrified, then magnetized: ERP and fMRI evidence for fronto-temporal abnormalities in criminal psychopaths.* Invited lecture, Nathan Kline Institute, Orangeburg, New York.
50. Kiehl, K.A. (April, 2002). *The psychopath electrified, then magnetized: ERP and fMRI evidence for fronto-temporal abnormalities in criminal psychopaths.* Invited lecture, Dartmouth College.
51. Kiehl, K.A. (October, 2002). *The psychopath electrified, then magnetized: ERP and fMRI evidence for fronto-temporal abnormalities in criminal psychopaths.* Invited lecture, University of California, Davis.
52. Kiehl, K.A. (December, 2002). *Deconstructing psychopathy: Assessment, treatment, recidivism, and neurobiology.* Invited lecture, Department of Criminology, University of Pennsylvania.
53. Kiehl, K.A. (December, 2002). *A cognitive neuroscience perspective on criminal psychopathy: Neuroimaging evidence for temporal-limbic brain abnormalities.* Invited lecture, Center for Cognitive Neuroscience, University of Pennsylvania.
54. Kiehl, K.A. (January, 2003). *The oddball task magnetized: fMRI studies in health and psychopathology.* Invited lecture, New York Psychiatric Institute, Columbia University.
55. Stevens, M.C., Laurens, K.R., Liddle, P.F., & Kiehl, K.A. (2003, March). *New brain imaging findings from a random-effects analysis of 100 participants using a three-stimulus auditory oddball task.* Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.

56. Celone, K., Laurens, K.R., Liddle, P.F., & Kiehl, K.A. (2003, March). *Negative picture processing: Engagement of the temporal-limbic system and beyond*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.
57. O'Keefe, T.O., Liddle, P.F., & Kiehl, K.A. (2003, March). *Neural sources underlying emotional lexical decision*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.
58. Calhoun V. D., Kiehl, K. A., Liddle, P. F., & Pearlson, G. D. (2003, March). *Aberrant Localization of synchronous fMRI activity in temporal auditory cortex reliably characterizes schizophrenia*. Proceedings from the International Congress on Schizophrenia Research, Colorado Springs, CO.
59. Kiehl, K.A., Stevens, M.C., Laurens, K.R., Pearlson, G.D., & Liddle, P.F. (2003, June). *The missing stimulus: An event-related fMRI study of a 'gap' detection oddball task*. Poster presented at the annual meeting of the Society for Human Brain Mapping, New York, NY.
60. Laurens, K.R., Kiehl, K.A., Ngan, E.T.C., Mendrek, A., Stip, E., & Liddle, P.F. (2003, June). *Dysfunction in a supramodal network supporting attention to salient stimuli in schizophrenia: Evidence from event-related fMRI of novelty processing*. Poster presented at the annual meeting of the Society for Human Brain Mapping, New York, NY.
61. Stevens, M.C., Laurens, K.R., Liddle, P.F., Pearlson, G.D., & Kiehl, K.A. (2003, June). *Hemodynamics of oddball processing during single, two-, and three-tone target detection tasks*. Poster presented at the annual meeting of the Society for Human Brain Mapping, New York, NY.
62. Stevens, M.C., Laurens, K.R., Liddle, P.F., Calhoun, V.C., Pearlson, G.D., & Kiehl, K.A. (2003, July). *Independent component analyses of fMRI auditory oddball task reveals paralimbic abnormalities in psychopaths*. Developmental and Neuroscience Perspectives on Psychopathy, Madison, WI.
63. Kiehl, K.A. (2003, July). *The paralimbic hypothesis of psychopathy: Evidence from multimodal neuroimaging*. Invited Lecture - Developmental and Neuroscience Perspectives on Psychopathy, Madison, WI.
64. Kiehl, K. A., Laurens, K. R., Celone, K., Pearlson, G. P., & Liddle, P.F. (2003, October). *Abnormal affective picture processing in criminal psychopaths: Evidence supporting the paralimbic dysfunction hypothesis*. Poster presented at the annual meeting of the Society for Psychophysiological Research, Chicago, IL.
65. Liddle, P. F., Mendrek, A., Laurens, K. R., Kiehl, K. A., & Ngan, E. T. C. (2004, February). *An fMRI study of state-dependent abnormalities of frontal lobe function during working memory in schizophrenia*. Poster to be presented at the International Congress on Schizophrenia, Davos, Switzerland.

66. Bates, A. T., Kiehl, K. A., Laurens, K. R., Ngan, E. T. C. & Liddle, P. F. (2004, February). *Inefficient coordination of slow oscillations in schizophrenia*. Poster presented at the International Congress on Schizophrenia, Davos, Switzerland.
67. Maltby, N., Worhunsky, P., Kiehl, K. A., & Tolin, D. F. (2004, March). *Hyperactive error processing in Obsessive Compulsive Disorder*. Paper presented to the Annual Meeting of the Anxiety Disorders Association of America, Miami, FL.
68. Maltby, N., Worhunsky, P., Kiehl, K., & Tolin, D.F. (2004, March). *Is Dysfunctional Action Monitoring Functionally Related to Obsessive Compulsive Disorder: an fMRI Study*. Presented to the Annual Meeting of the Anxiety Disorders Association of America, Miami
69. Aikens, D. E., O'Keefe, T., Anticevic, A., & Kiehl, K. A. (2004, April). *Implicit associative learning for affective materials*. Poster presented at the Annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
70. Kiehl, K.A., Stevens, M.C., Laurens, K.R., Pearlson, G.P, & Liddle, P. F. (2004, April). *An adaptive reflexive processing model of neurocognitive function*. Poster presented at the Annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
71. Kiehl, K.A. (April, 2004). *The cognitive neuroscience of psychopathic personality disorder: Evidence for paralimbic dysfunction*. Invited lecture. Department of Psychology, University of California, Santa Barbara.
72. Kiehl, K.A. (April, 2004). *The cognitive neuroscience of criminal psychopaths: Evidence for paralimbic dysfunction*. Invited lecture. Department of Psychology, University of Toronto.
73. Kiehl, K.A., Stevens, M.C., Celone, K., Kurtz, M.M., & Pearlson, G.D. (2004, April). *fMRI of auditory oddball processing in schizophrenia II: Replication and extension*. Poster presented at the annual meeting of the Society for Biological Psychiatry, New York, NY.
74. Hejnar, M.P., Kurtz, M.M., Calhoun, V.D., Kiehl, K.A., & Pearlson, G.D. (2004, April). *Performance on the Penn Conditional Exclusion Task (PCET) in patients with schizophrenia (SZ) and healthy controls: An fMRI study*. Poster presented at the annual meeting of the Society for Biological Psychiatry, New York, NY.
75. Egolf, E., Kiehl, K.A., & Calhoun, V.D. (2004, April). *GIFT*. Poster presented at the annual meeting of the Society for Biological Psychiatry, New York, NY.
76. Stevens, M.C, Celone, K., Kurtz, M.M., Pearlson, G.D., & Kiehl, K.A. (2004, May). *fMRI of oddball processing in schizophrenia: Support for the disconnection hypothesis*. Poster to be presented at the annual meeting of the American Psychiatric Association, New York, NY.
77. Kiehl, K.A., Stevens, M.C, Celone, K., Ortengren, A., & Pearlson, G.D. (2004, May). *fMRI of oddball processing in bipolar illness*. Poster presented at the annual meeting of the American Psychiatric Association, New York, NY.

78. Maltby, N., Worhunsky, P., Kiehl, K. A., & Tolin, D. F. (2004, May). *Hyperactive error processing in Obsessive Compulsive Disorder*. Paper presented to the annual meeting of the American Psychiatric Association, New York. NY.
79. Kiehl, K.A. (2004, May). *Without morals: The cognitive neuroscience of criminal psychopaths*. Paper presented at The Psychology and Biology of Morality Conference, Dartmouth College, Hanover, NH (invited speaker).
80. Kiehl, K.A. (2004, August). *Focal hemodynamic measures of the P3a and P3b event-related potentials*. Symposium paper presented at the Biomag Annual meeting. Boston, MA.
81. Kiehl, K.A. (2004, September). *What has hemodynamic imaging of oddball target detection taught us about how the brain works?* Paper presented at the symposium 'The P300: Past and Present' at the ECNS and ISNIP joint meeting. Irvine, CA. (Organizer and chair).
82. Kiehl, K.A. (2004, September). *Functional MRI – An introduction*. Educational course presented at the ECNS and ISNIP joint meeting. Irvine, CA.
83. Kiehl, K.A. (2004, October). *The psychopath electrified: Brain potentials implicate paralimbic abnormalities*. Early Career Award Address presented at the ECNS and ISNIP joint meeting. Irvine, CA.
84. Kiehl, K.A. & Liddle, P.F. (2004, October). *Electrophysiological evidence for paralimbic abnormalities in psychopathic offenders*. Poster presented at the annual meeting of the Society for Psychophysiological Research. Santa Fe, New Mexico.
85. Maltby, N., Worhunsky, P., Kiehl, K.A., & Tolin, D.F. (2004, November). *Compulsive hoarding: The neurobiological perspective*. In T.L. Hartl (Chair), *Compulsive hoarding: Recent advances in research and important clinical considerations*. Presented to the Annual Meeting of the Association for Advancement of Behavior Therapy, New Orleans.
86. Kiehl, K.A. (2004, December). *Deconstructing Psychopathy: Assessment, Treatment, Recidivism, and Neurobiology*. Invited Lecture, NIDA Special Emphasis Panel: Developing Efficacious Behavioral Therapies for Criminal Justice Involved Populations, Gaithersburg, MD.
87. Kiehl, K.A. (2004, December). *Brain potentials in cetaceans - can they illuminate language processes?* Educational lecture given the staff and researchers at Mystic Aquarium, Mystic, CT. Invited speaker.
88. Kiehl, K.A. (2004, December). *Paralimbic system dysfunction model of psychopathic personality: Evidence from ERPs and fMRI*. Guest lecture at the Massachusetts General Hospital Brain Mapping Lecture Series. Boston, MA. Invited speaker.
89. Kiehl, K.A. (2005, January). *Word of the day: Cetaceans (it mean's dolphins and whales)*. Guest lecture at Bay Laurel Elementary School, Calabasas, CA. Invited speaker.

90. Kiehl, K.A. (2005, January). *Hemodynamic measures of oddball responses*. Forty Years of P300 meeting hosted by Manny Donchin (Carmel, 2005). University of South Florida, St. Petersburg, FL. Invited speaker.
91. Kiehl, K.A. (2005, February). *Paralimbic dysfunction in criminal psychopaths: Evidence from ERP and fMRI studies*. Invited lecture, NIDA Intramural Program, Bethesda, MD.
92. Maltby, N., Worhunsky, P., Kiehl, K.A., & Tolin, D.F. (2005, May). *Dysfunctional action monitoring: Specificity to obsessive compulsive disorder*. Poster presented to Annual Meeting of the Society of Biological Psychiatry, Atlanta, Georgia.
93. Maltby, N., Worhunsky, P., Kiehl, K.A., & Tolin, D.F. (2005, May). *Dismantling the neural systems of Obsessive-Compulsive Disorder: A symptom provocation fMRI study of compulsive hoarding*. Poster presented to Annual Meeting of the Society of Biological Psychiatry, Atlanta, Georgia.
94. Kiehl, K.A. (2005, May). *Psychopathy: Assessment, substance abuse, treatment, and neurobiology*. Invited lecture, Department of Psychiatry, University of California, Los Angeles.
95. Kiehl, K.A. (2005, May). *ERP and fMRI studies in psychopathy: Evidence of paralimbic dysfunction*. Invited lecture by the Department of Neuroscience, University of California, Los Angeles.
96. Kiehl, K.A. (2005, July). *A paralimbic dysfunction model of psychopathy*. Invited lecture by the Department of Psychology, University of British Columbia, Vancouver, British Columbia, Canada.
97. Kiehl, K.A. (2005, July). *Brain potentials and fMRI suggest paralimbic abnormalities in orienting processes in adolescent and adult psychopathy*. Symposium lecture "The Cognitive Neuroscience of Psychopathy" Chair Kiehl, K.A., Paper given at the Biannual meeting of the Society for the Scientific Study of Psychopathy, Vancouver, British Columbia, Canada.
98. Kiehl, K.A. (2005, September). *P300 from the perspective of fMRI*. Symposium lecture "40 Years of the P300: A tribute" Chair Donchin, E. Paper giving at the Annual meeting of the Society for Psychophysiological Research, Lisbon, Portugal.
99. Kiehl, K.A. (2005, September). *A paralimbic dysfunction model of psychopathy*. Award address for Distinguished Early Career Contributions to Psychophysiology. Paper given at the Annual meeting of the Society for Psychophysiological Research, Lisbon, Portugal.
100. Kiehl, K.A. (2005, September). *The killer whale electrified: Can brain potentials indicate language processing in cetaceans?* Paper given to the public and staff at Mystic Aquarium, Mystic, CT.
101. Kiehl, K.A. (2005, October). *The cognitive neuroscience of psychopathic personality: Evidence for paralimbic dysfunction*. Paper given to the Department of Psychology, University of Connecticut – Storrs, Connecticut.

102. Kiehl, K.A. (2006, January). *The Hemodynamics of the Oddball Paradigm*. Paper given at the annual Carmel meeting on the Basis of the P300. Hosted by Emmanuel Donchin, St. Petersburg, Florida.
103. Kiehl, K.A. (2006, January). *Neuroscientific assessment of 'Callous' Conduct Disordered Youth*. Paper given to the Director and Staff of the Miami Dade County Juvenile Assessment Center (JAC). Miami.
104. Kiehl, K.A., (2006, February). *The cognitive neuroscience of psychopathic personality: Evidence for paralimbic dysfunction*. Invited lecture, Department of Psychology, University of California – San Diego. La Jolla, California.
105. Kiehl, K.A. (2006, February). *The hemodynamics of the P300*. Invited lecture, Scripps Research Institute, La Jolla, California.
106. Kiehl, K.A., (2006, February). *Aberrant connectivity in schizophrenia: Is it diagnostic?* Paper presented at the Annual Winter Conference on Brain Research. Steamboat Springs, CO. Invited lecture.
107. Maltby, N., Worhunsky, P., Kiehl, K. A., & Tolin, D. F. (2006, March). *Dismantling the neural systems of obsessive-compulsive disorder: A symptom provocation fMRI study of compulsive hoarding*. In K. Cromer (Chair), *Elucidating the Relationship Between Hoarding Symptoms and Stressful Life Events*. Symposium presented to the Annual Meeting of the Anxiety Disorders Association of America, Atlanta.
108. Kiehl, K.A. (2006, March). *The cognitive neuroscience of psychopathic personality: Evidence for paralimbic dysfunction*. MIND Institute, Albuquerque, NM.
109. Kiehl, K.A. (2006, March). *Psycholinguistics in Psychopathic Personality: Decoding troubled processing*. Lecture presented to the Department of Psychology, University of Connecticut – Storrs. Storrs, CT. Invited Lecture.
110. Maltby, N., Tolin, D.F., & Kiehl, K.A. (2006, May). *Compulsive hoarding: Is there evidence for dysfunctional error processing*. Presented to the Annual Meeting of the Society of Biological Psychiatry, Toronto.
111. Anticevic, A., Aikins, D.E., & Kiehl, K.A. (2006, April). *Modulation of Brain Activity by Signaling Pictorial Valence*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
112. Schaich Borg, J., Lieberman, D. & Kiehl, K.A. (2006, April). *Moral, Sexual, and Pathogen Disgust – Distinct or Common Neural Networks?* Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
113. Schaich Borg, J. Sinnott-Armstrong, W. & Kiehl, K.A. (2006, April). *How we decide something is morally wrong: An fMRI study of moral judgment*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.



114. Kiehl, K.A. (2006, April). *Update on the cognitive neuroscience of psychopathy*. Neuroscience Grand Rounds, Institute of Living, Hartford, CT.
115. Kiehl, K.A. (2006, April). *The cognitive neuroscience of psychopathic personality: Evidence for paralimbic dysfunction*. Department of Psychology, University of New Mexico, Albuquerque, NM. Invited lecture.
116. Stevens, M.C., Kiehl, K.A., Pearlson, G.D., Calhoun, V.D. (2006, June). *Functional neural circuits for mental timekeeping*. Poster presented at the annual meeting of the society for Human Brain Mapping, Florence, Italy.
117. Kiehl, K.A., (2006, June). *Designing fMRI studies for clinical populations*. Lecture provided during the Special Education Symposium, annual meeting of the society for Human Brain Mapping, Florence, Italy. Invited lecture.
118. Kiehl, K.A. (2006, September). *Integrating Neuroscience and Basic Research in Drug Courts: The Construct of Psychopathy*. National Institute on Drug Abuse: Drug Courts and Other Problem- Solving Courts: State of the Science – Special Emphasis Panel, Bethesda, MD. Invited lecture.
119. Kiehl, K.A. (2006, September). *Aberrant emotional word processing in psychopathy*. Paper presented in the symposium Emotional Processing in Psychopathy, Chair Verschuere, B. at the Annual Meeting of the Society for Psychophysiological Research, Vancouver, B.C., Canada.
120. Shane, M.S., Stevens, M.C., & Kiehl, K.A. (2006, September). *An fMRI Investigation of the Neural Response to Another's Errors*. Poster presented at the annual meeting of the Society for Psychophysiological Research, Vancouver, B.C.
121. Most, S.B., Chun, M.M., Johnson, M.R., Kiehl, K.A. (2006, November). *Attentional modulation of the amygdala varies with personality*. Poster presented at the annual meeting of the Psychonomic Society. Dallas, TX.
122. Kiehl, K.A. (2006, November). *Program in Forensic Psychology at The MIND Institute*. Lecture offered to the MIND Institute Board of Director's meeting. Albuquerque, NM. Invited lecture.
123. Kiehl, K. A., (2006, December). *The cognitive neuroscience of people who do bad things: A story of paralimbic dysfunction in psychopathic personality*. Lecture to the Department of Psychology, Stony Brook University, Stony Brook, NY. Invited lecture.
124. Kiehl, K.A. (2006, December). *Success and Barriers to Brain Imaging with Prisoners Populations*. Symposium on Research With Prisoners: Ethics and Opportunities, W. Compton, Chair (NIDA organizer). Annual Meeting of the American College of Neuropsychopharmacology (ACNP), Hollywood, FL. Invited lecture.
125. Mathalon, D.H., Kiehl, K.A., Calhoun, V.D., McGlashan, T.H. Pearlson, G D., Woods, S.W. (2006, December). *Abnormal fronto-temporal cortical activation during fMRI attention and working memory tasks in prodromal and early illness patients with*

*schizophrenia*. Poster presented at the Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL.

126. Shane, M.S., Harenski, C.L., Stevens, M.C., & Kiehl, K.A. (2007, January) *This hurts me as much as it hurts you: Empathic concern and the observation of another's errors*. Memphis, TN
127. Kiehl, K.A. (2007, February). *The cognitive neuroscience of people who do bad things: A story of paralimbic dysfunction in psychopathic personality*. In symposium: What Are the Sociobiological Bases for Aggression? Buchesbaum, M. organizer. Annual meeting of the American Neuropsychiatric Association. Tucson, AZ.
128. Harenski, CL, Antonenko, O, Shane, MS, & Kiehl, KA (2007, April). *Neural correlates of explicit moral appraisals: an fMRI study*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY
129. Byrd, A.L., Shane, M.S., Book, G., Kahn, R.E., Antonenko, O., & Kiehl, K.A. (2007, April). *Response inhibition as a protective factor against incarceration in those high and low in psychopathic traits*. Poster presented at the annual meeting of the Society for the Scientific Study of Psychopathy. St. Petersburg, FL.
130. Shane, M.S., Harenski, C.L., & Kiehl, K.A. (2007, April). *Why should I care what happens to you? fMRI evidence for reduced empathic concern associated with subclinical psychopathy*. Paper offered in the symposium: Psychopathy, Emotion, and Emotion Regulation; Chair: Kosson, D. Presented at the annual meeting of the Society for the Scientific Study of Psychopathy. St. Petersburg, FL.
131. Antonenko, O., Shane, M.S., Harenski, C.L., Kahn, R., Byrd, A., & Kiehl, K.A. (April, 2007). *The PCL-R and self-report Scales in a substance abusing sample*. Poster presented at the annual meeting of the Society for the Scientific Study of Psychopathy. St. Petersburg, FL.
132. Kahn, R. E., Shane, M., Antonenko, O., Bell, E., Byrd, A. L., & Kiehl, K. A. (2007, April). *Gender differences in the expression of psychopathic traits*. Poster presented at the 2nd Biennial Society for the Scientific Study of Psychopathy Conference, St. Petersburg, FL
133. Harenski, CL, Antonenko, O, Shane, MS, & Kiehl, KA (2007, April). *Psychopathic personality traits predict neural and behavioral responses to visually depicted moral violations*. Poster presented at the annual meeting of the Society for the Scientific Study of Psychopathy, St. Petersburg, FL.
134. Shane, M.S., Harenski, C.S., Stevens, M.C., & Kiehl, K.A. (2007, April). *Reduced cingulate and medialfrontal activity in psychopathy during the viewing of another person making a mistake*. Poster presented at the annual meeting of the Society for the Scientific Study of Psychopathy, St. Petersburg, FL.
135. Shane, M.S., Harenski, C.L., Stevens, M.C., & Kiehl, K.A. (2007, April). *Neural response to success-related and error-related feedback within a time-estimation task*.

Poster presented at the 14th Annual Meeting of the Cognitive Neuroscience Society.  
San Francisco, CA, USA.

136. Schaich Borg, J., Sinnott-Armstrong, W., & Kiehl, K.A. (2007, May). *How we decide something is morally wrong: An fMRI study*. Poster presented at the annual meeting of the Society for Cognitive Neuroscience, New York, NY.
137. Harenski, CL, Antonenko, O, Shane, MS, & Kiehl, KA (2007, June). *Gender differences in mechanisms underlying moral judgments*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Chicago, IL
138. Kiehl, K.A. (2007, September). *Psychopathic personality: How important is the construct for the legal system*. Paper for the Women's Lawyer's Association of San Luis Obispo County. Invited lecture.
139. Kiehl, K.A. (2007, September). *Psychopathy: Legal implications and neuroscience*. Inaugural meeting of the MacArthur Foundation Network on Law and Neuroscience. Invited speaker.
140. Kiehl, K.A. (2007, September). *The cognitive neuroscience of youth and adult psychopathic personality: Evidence for paralimbic abnormalities*. Grand rounds, Department of Psychiatry, Medical College of South Carolina, Charleston, SC. Invited speaker.
141. Kiehl, K.A. (2007, September). *The relevance of the assessment of psychopathy for forensic populations*. Paper presented at the 25<sup>th</sup> Annual Meeting of the New Mexico Criminal Justice Association. Invited speaker.
142. Shane, M.S., Harenski, C.L., Stevens, M.C., & Kiehl, K.A. (2007, October). *Self-report and fMRI evidence of reduced empathy, but intact perspective-taking, associated with psychopathic traits*. Poster presented at the Annual Meeting of the Society for Physiological Research.
143. Chakroff, A.G., Harenski, C.L., Shane, M.S., & Kiehl, K. A. (2007, November). *Subliminal emotion perception is modulated by psychopathic traits: An ERP study*. Poster presented at the annual meeting of the Society for Neuroscience. San Diego, CA.
144. Kiehl, K.A. (2007, November). *The cognitive neuroscience of psychopathic personality: Evidence for paralimbic disturbances*. Grand Rounds in the Department of Psychiatry, University of New Mexico, Albuquerque, NM. Invited speaker.
145. Kiehl, K.A. (2007, November). *The cognitive neuroscience of people who do bad things: A story of paralimbic dysfunction in psychopathic personality*. Grand Rounds in the Department of Psychiatry, University of Massachusetts Medical School, Worcester, MA. Invited speaker.
146. Kiehl, K.A. (2007, November). *Brain imaging in psychopathy*. Lecture offered to the Center for Mental Health Services Research. University of Massachusetts Medical School, Worcester, MA. Invited speaker.

147. Kiehl, K A. (2008, January). *The functional neuroanatomy of psychopathic personality*. Grand Rounds in the Department of Neurology, University of New Mexico, Albuquerque, NM. Invited speaker.
148. Byrd, A. L., Shane, M., & Kiehl, K. A. (2008, February). *Neural activity during successful response inhibition in substance abusers and psychopaths*. Poster presented at the annual meeting of the Society for Social and Personality Psychology, Albuquerque, NM.
149. Antonenko, O., Harenski, C. L., & Kiehl, K. A. (2008, February). *Investigating the association between empathy and moral decision making: An fMRI study*. Poster presented at the 9th annual Society for Personality and Social Psychology meeting. Albuquerque, NM
150. Kiehl, K.A. (2008, March). *The relevance of the assessment of psychopathy for forensic populations*. Lecture for the New Mexico Psychology Association. Invited speaker.
151. Kiehl, K.A., (2008, March). *Psychopathic personality: How important is the construct for the legal system?* Lecture for the New Mexico Rotary Club. Albuquerque, NM. Invited speaker.
152. Kiehl, K.A. (2008, April). *How to go to prison? The making of a forensic psychologist*. Keynote lecture for Department of Psychology Research Day, University of New Mexico, Albuquerque, NM. Invited speaker.
153. Shane, M. S., Byrd, A. L., Harenski, C. L., & Kiehl, K. A. (2008, April). *Unique neural recruitment during successful response inhibition associated with substance abuse and psychopathy*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
154. Kahn, R.E., Hansberry, H., Harenski, C., Shane, M. & Kiehl, K. A. (2008, May). *Improving the emotional profile of a psychopathy: The relationship between psychopathy and emotional intelligence*. Poster presented at the 20th Annual Convention Association for Psychological Science Conference, Chicago, IL.
155. Kiehl, K.A., (2008, May). *Paralimbic abnormalities in incarcerated youth and adults with psychopathic traits*. Psychopathology and Addiction among Criminal Justice Populations: New Directions. Chairs: Wilson Compton and Joseph Frascella, NIDA. American Psychiatric Association, Washington DC, USA. Invited speaker.
156. Kiehl, K.A. (2008, May). *Aberrant neural processing during decision-making in criminal psychopathy and substance abuse*. In symposium, Brain Substrates of impaired Error Detection, Moral Judgment and Agency As Core Deficits in Substance Abuse. Steve Grant, NIDA, Chair. American Psychiatric Association, Washington DC, USA. Invited speaker.
157. Harenski, CL, Harenski, KA, Shane, MS, & Kiehl, KA (2008, May). *Neural correlates of moral sensitivity in an adult incarcerated population*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA

158. Kahn, R.E., Hansberry, H., Harenski, C., Shane, M. & Kiehl, K.A. (2008, May). *Improving the Emotional Profile of a Psychopath: The Relationship between Psychopathy and Emotional Intelligence*. Poster presented at the 20th Annual Association for Psychological Science Conference, Chicago, IL.
159. Kiehl, K.A. (2008, July). *The criminal psychopath magnetized: Brain imaging evidence for paralimbic abnormalities*. Lecture for Department of Radiology, Washington University, St. Louis. Invited speaker.
160. Kiehl, K.A. (2008, September). *Psychopathy: Implications for the legal system*. In Neuroscience for Judges Seminar, Speaker series sponsored by the MacArthur Foundation Law and Neuroscience Network and the Gruter Institute, Minnery Center, Dartmouth College, NH. Invited speaker.
161. Kiehl, K.A. (2008, September). *Brain Imaging and the Criminal Psychopath: Assessment, Recidivism, and Neurobiology*. Lecture for the Vanderbilt Law School, Nashville, TN. Invited speaker.
162. Kiehl, K.A. (2008, October). *The Criminal Psychopath: Assessment, Recidivism, and Neuroscience*. Lecture for Science Writers of North America, Hosted by Stanford University. Invited speaker.
163. Kiehl, K.A. (2008, October). *The Criminal Psychopath: Assessment, Recidivism, and Neuroscience*. PAL lecture for Department of Psychology, University of New Mexico.
164. Cope, L.M., Shane, M.S., Nyalakanti, P.K., & Kiehl, K.A. (2008, November). *Structural analysis of psychopathic personality: A voxel-based morphometry study*. Poster presented at the annual meeting of the Society for Neuroscience, Washington, D.C.
165. Clark, V.P., Beatty, G.K., Anderson, R., Koditwakku, P., Phillips, J., Kiehl, K.A., Calhoun, V.D. (2008, November). *fMRI activity in cingulate and insular cortex predicts relapse in recovering stimulant addicts*. Oral presentation at the annual meeting of the Society for Neuroscience, Washington, D.C.
166. Shane, M.S., Harenski, C.L., Stevens, M.C., & Kiehl, K.A. (2008, November). *Attenuated recruitment in psychopaths and substance abusers during the performance and observation of errors*. Poster presented at the Annual Meeting of the Society for Neuroscience. Washington, DC, USA.
167. Kiehl, K.A. (2008, November). *The Criminal Psychopath: Assessment, Recidivism, and Neuroscience*. Lecture for Gruter Judicial Education Conference, Riverside, CA. Invited speaker.
168. Kiehl, K.A. (2009, February). *Psychopathy, Violence, and Brain*. Lecture for EPFL Latsis Symposium 2009: Brain Mechanisms of Violence, Lausanne, Switzerland. Invited speaker.

169. Kiehl, K.A. (2009, February). *The criminal psychopath magnetized: Brain imaging reveals paralimbic abnormalities*. Lecture for Lake Ontario Visionary Establishment, Niagara Falls. Invited speaker.
170. Kiehl, K.A. (2009, February). *The Criminal Psychopath: Assessment, Recidivism, and Neuroscience*. Lecture for The 2009 Stanford Technology Law Review Symposium- Neuroscience and the Courts: The Implications of Advances in Neurotechnology, Stanford, CA. Invited speaker.
171. Kiehl, K.A. (2009, March). *Psychopathy, Risk Assessment, Treatment, and Neuroscience*. Lecture for Law & Neuroscience for Federal Judges, Sponsored by the Gruter Institute for Law and Behavioral Sciences and the Federal Judicial Center, New York, NY. Invited speaker.
172. Kahn, R.E., & Kiehl, K.A. (2009, April). *The Relationship Between Psychopathy and Emotional Intelligence in Incarcerated Youth*. Poster presented at the 3<sup>rd</sup> Biennial Society for the Scientific Study of Psychopathy Conference (SSSP), New Orleans, LA.
173. Harenski, CL, Harenski, KA, Shane, MS, & Kiehl, KA (April, 2009). *Neurobehavioral correlates of moral sensitivity in adult and adolescent psychopathy*. Paper presented at the annual meeting of the Society for the Scientific Study of Psychopathy (SSSP), New Orleans, LA.
174. Kiehl, K.A. (2009, April). *Brain Abnormalities in Incarcerated Youth with Psychopathic Traits*. Lecture for Society for Scientific Study of Psychopathy (SSSP), New Orleans, LA.
175. Chandler, L., Filbey, F., Nyalakanti, P., Bryan, A., Kiehl, K.A., Hutchison, K., & Feldstein Ewing, S. W. (2009, April). *Searching for the Connection: The relationship between biological and behavioral correlates of adolescent alcohol abuse*. Poster presented at the Society for Research in Child Development, Denver, CO.
176. Bryan, A.D., Feldstein Ewing, S., Magnan, R., Claus, E., Filbey, F.M., Kiehl, K.A., & Hutchison, K.E. (2009, April). *Neurocognitive correlates of risky sexual behavior in adolescents: An fMRI approach*. Poster presented at the Society of Behavioral Medicine's 30th Annual Meeting. Montreal, Quebec, Canada.
177. Kiehl, K.A. (2009, April). *Psychopathy, Risk Assessment, Treatment, and Neuroscience*. Lecture for Paul D. Coverdell/Franklin Foundation Neuroimaging Lecture Series, University of Georgia, Athens, GA. Invited speaker.
178. Shane, M.S., Harenski, C.L., Stevens, M.C., & Kiehl, K.A. (2009, April). *Attenuated feedback error related negativity in cocaine abusers*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA, USA.
179. Kiehl, K.A. (2009, May). *Substance Abuse, Psychopathy, and the Brain – What Have We Learned Using the Mind Mobile Imaging System and New Data Fusion Approaches?* Lecture for Domenici Neuroscience Symposium, Washington D.C. Invited speaker.

180. Kiehl, K.A. (2009, May). *Psychopathy, Risk Assessment, Treatment, and Neuroscience*. Lecture for Gruter Institute Annual Conference 2009: Law, Behavior & the Brain, Squaw Valley, CA. Invited speaker.
181. Ermer, E., & Kiehl, K. A. (2009, May). *Social reasoning in psychopathy*. Paper presented at the Human Behavior and Evolution Society Conference, Fullerton, CA.
182. Feldstein Ewing, S.W., Filbey, F.M., Claus, E., Sabbineni, A., Nyalakanti, P., Kiehl, K.A., Hutchison, K.E., & Bryan, A.D. (2009, June). *Neurological correlates of alcohol abuse behavior with high risk, juvenile justice-involved youth*. Paper presented at the Research Society on Alcoholism annual meeting, San Diego, CA.
183. Kiehl, K.A. (2009, June). *Psychopathy, Risk Assessment, Treatment, and Neuroscience*. Lecture for Neuroscience for Judges, sponsored by the Gruter Institute for Law and Behavioral Research with funding from the John D. and Catherine T. MacArthur Foundation's Law and Neuroscience Project, Nashville, TN. Invited speaker.
184. Clark, V.P., Beatty, G.K., Anderson, R., Kodituwakku, P., Phillips, J., Kiehl, K.A., Calhoun, V.D. (2009, June). *Cingulate and insula activity predict relapse in recovering stimulant addicts*. Abstract #1818, Oral Presentation, Psychiatric Disorders Session, Organization for Human Brain Mapping, San Francisco, CA, 2009.
185. Kiehl, K.A. (2009, June). *Psychopathic traits: Assessment, Recidivism, Treatment, Economics, and Neuroscience*. Lecture for 2009 District of Nevada Department of Probation Conference, Dana Point, CA. Invited speaker.
186. Kiehl, K.A. (2009, June). *The cognitive neuroscience of psychopathic traits – who has them and what does it mean?* Lecture for Summer Institute in Cognitive Neuroscience, Santa Barbara, CA. Invited speaker.
187. Kiehl, K.A. (2009, July). *All Things Psychopathic: Assessment, Criminal Recidivism, Treatment and Neuroscience*. Lecture for The Mind Research Network, Albuquerque, NM.
188. Kiehl, K.A. (2009, July). *The Criminal Psychopath: Assessment, Recidivism, and Neuroscience*. Lecture for The United States Probation and Pretrial Services Middle District of Florida, Bonita Springs, Florida. Invited speaker.
189. Kiehl, K.A. (2009, October). *The Criminal Psychopath: Assessment, Recidivism, Treatment and Neuroscience*. Seminar for Baylor College of Medicine for the Department of Neuroscience weekly seminar series Invited speaker, Houston, TX.
190. Kiehl, K.A. (2009, November). *The Criminal Psychopath: Assessment, Recidivism, Treatment and Neuroscience*. Seminar for State Judges as part of the Gruter Institute/MacArthur Foundation Law and Neuroscience Project. Hosted by Northwestern Law School, Chicago, IL. Invited speaker.
191. Kiehl, K.A., (2009, November). *fMRI for judges*. Seminar for State Judges as part of the ASTAR program in Science Education for Judges. Chicago, IL. Invited speaker.

192. Kiehl, K.A. (2009, November). *Understanding Psychopathy for Judges*. Seminar for State Judges as part of the ASTAR program in Science Education for Judges. Chicago, IL. Invited lecture.
193. Kiehl, K.A. (2009, December). *Paralimbic dysfunction in psychopathy? Is there evidence from neuroimaging literature?* Invited lecture for the De Kijvelanden Forensisch Psychiatrisch Centrum, Rotterdam, Netherlands.
194. Kiehl, K.A. (2010, March). *Psychopathy: Risk assessment, treatment, and neuroscience*. Seminar on Law and Neuroscience for Federal Judges, Gruter Institute for Law and Behavioral Research & Federal Judicial Center; Co-sponsored by Harvard Law School Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics and The John D. and Catherine T. MacArthur Foundation Law and Neuroscience Project. Boston, MA. Invited speaker.
195. Kiehl, K.A. (2010, March). *Neuroscience of Psychopathy: Can it be mitigating?* Invited Keynote lecture for Office of the State Appellate Defender and Illinois Institute for Continuing Legal Education: Defending Illinois Death Penalty Cases, Chicago, IL.
196. Kiehl, K.A. (2010, April). *Exploring the brains of psychopaths*. Invited address for the Kenan Institute for Ethics and Department of Neuroscience, Duke University, Durham, NC.
197. Kiehl, K.A. (2010, May). *Cognitive neuroscience of psychopathy*. Invited lecture for the Evolution of Conscience meeting, Sponsored by the Templeton Foundation, Santa Fe, New Mexico.
198. Kiehl, K.A. (2010, May). *Bioprediction of mental illness*. Invited address for the Conference on Bioprediction, Washington D.C. Sponsored by the MacArthur Foundation Law and Neuroscience Project and the Duke University Kenan Institute for Ethics, Washington, DC.
199. Kiehl, K.A. (2010, May). *Treating the criminal psychopath: Past, present and future*. Invited lecture, 20<sup>th</sup> Annual meeting of the Gruter Institute for Law and Behavioral Science. Squaw Valley, CA.
200. Kiehl, K.A. (2010, May). *The neuroscience of the criminal psychopath*. Invited lecture, The Stanford Institute for Neuro-Innovation and Translational Neurosciences. Stanford University. Palo Alto, CA.
201. Shannon, B., Snyder, A., Raichle, M., Bache, K., Gusnard, D., & Kiehl, K.A. (2010, June). *Altered Functional Connectivity in Psychopathy: A Resting-State fMRI Analysis*. Poster session presented at the 16<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
202. Allen, E., Liu, J., Kiehl, K.A., Gelemter, J., Pearlson, G., Perrone-Bizzozero, N., & Calhoun, V. D. (2010, June). *Genetic Influences on cross-frequency modulation in schizophrenia patients and healthy controls*. Poster session presented at the 16<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.



203. Joblelius, J., Cope, L.M., Nyalakanti, P., & Kiehl, K.A. (2010, June). *An fMRI Investigation of Psychopathy and Drug Craving in Substance Dependent Male Inmates*. Poster session presented at the 16<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
204. Cope, L.M., Joblelius, J., Nyalakanti, P., & Kiehl, K.A. (2010, June). *fMRI Analysis of Psychopathy and Drug Craving in Substance Dependent Female Inmates*. Poster session presented at the 16<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
205. Skelly, L., Decety, J., & Kiehl, K.A. (2010, June). *Components of Empathy in Incarcerated Psychopaths" fMRI Reveals Surprising Patterns in the Amygdala*. Poster session presented at the 16<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
206. Shane, M., Harenski, C., & Kiehl, K.A. (2010, June). *Neural Evidence for "Normal" Reactivity to Aversive Stimuli in Psychopathy: You Just Need to Ask*. Poster session presented at the 16<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
207. Kiehl, K.A. (2010, July). *ASPD and Psychopathy: Risk assessment, treatment and neuroscience*. Invited lecture to Federal Chief Probation Officers. Sponsored by the Gruter Institute for Law and Behavioral Science, The Federal Judicial Center, and the John D. and Catherine T. MacArthur Foundation Law and Neuroscience Project.
208. Kiehl, K.A. (2010, July). *Neural correlates of callous-unemotional traits in incarcerated maximum security youth*. Invited paper for program staff of the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), Bethesda, MD
209. Kiehl, K.A. (2010, July). *Psychopaths after breakfast: Behavior, Brains, Law and Policy*. Invited paper, Google/Nature/O'Reilly Sci Foo Conference, Mountain View, CA.
210. Kiehl, K.A., (2010, September). *A case conference on State of Illinois vs Dugan: fMRI in Death Penalty Mitigation*. Invited lecture, University of Pavia, Pavia, Italy.
211. Kiehl, K.A. (2010, September). *Psychopathy, Neuroscience and Law*. Invited faculty lecture, Arizona State University Law School, Phoenix, AZ.
212. Kiehl, K.A. (2010, September). *Psychopathy, Neuroscience and Law*. Invited undergraduate/law student lecture, Arizona State University Law School, Phoenix, AZ.
213. Kiehl, K.A. (2010, October). *Can psychopathy be mitigating? Does neuroscience help?* Illinois Capital Defense Conference, Collinsville, IL. Invited lecture.
214. Kiehl, K.A. (2010, October). *Can Psychopathy be Mitigating? Does Neuroscience Help/Hurt?* American Academy of Psychiatry and Law (AAPL) annual meeting, Tucson, AZ. Invited lecture.

215. Kiehl, K.A. (2010, October). *Unmasking the Criminal Psychopath: Clinical Assessment, Legal Relevance, and Cognitive Neuroscience*. Department of Religious Studies and Ethics. Indiana University. Bloomington, IN. Invited lecture.
216. Harenski, C. L., Harenski, K. A., Shane, M., & Kiehl, K. A. (October, 2010). *Neural correlates of moral judgment in adolescents and adults*. Poster presented at the annual meeting of the Social Affective Neuroscience Society, Chicago, IL.
217. Ermer, E., & Kiehl, K. A. (October, 2010). *Social reasoning in psychopathy*. Poster presented at the Social and Affective Neuroscience Society Conference in Chicago, IL.
218. Vincent, G.M., King, J., Huang, W., Caillouet, B., Smelson, D., Nyalakanti, P., & Kiehl, K. A. (March, 2011). *fMRI study of adolescents with CU-CD and co-morbid stimulant abuse*. Presentation at the 2011 annual meeting of the American Psychology Law Society, Miami, FL.
219. Kiehl, K.A. (March, 2011). *The psychopathic mind*. Judicial Seminar on Emerging Issues in Neuroscience; Sponsored by the American Association for the Advancement of Science, Federal Judicial Center, National Center for State Courts, Judicial Division of the American Bar Association, the Society for Neuroscience, and the Dana Foundation. San Diego, CA. Invited lecture.
220. Kiehl, K.A. (March, 2011). *Biology of Moral Reasoning and Psychopathy*. The Second Raymond and Beverly Sackler U.S.A.-U.K. Scientific Forum: Neuroscience and The Law. Sponsored by The United States National Academy of Sciences and United Kingdom Royal Society, Irvine, CA. Invited lecture.
221. Kiehl, K.A. (March, 2011). *Neuroscience & the Sentencing Phase*. Guilty Minds: Neuroscience & Criminal Law Symposium, University of Denver, Sturm College of Law. Denver, CO. Invited Lecture.
222. Kiehl, K.A. (April, 2011). *Persistent, Violent, Psychopathic Offenders: Neurosciences Offers Clues Towards Treatment*. Keynote address at the 2011 District Judges Annual Conference. Reno, Nevada. Invited speaker.
223. Kiehl, K.A. (May, 2011). *Frontiers in Adolescent Brain Science*. Adolescent Brains and Juvenile Justice, Sandra Day O'Connor School of Law, Arizona State University, Phoenix, AZ. Invited speaker, panel member.
224. Kiehl, K.A. (May, 2011). *Aberrant functional connectivity in psychopathy from youth to adulthood*. Symposium lecture at the bi-annual meeting of the Society for the Scientific Study of Psychopathy (SSSP). Montreal, Quebec, Canada.
225. Aharoni, E. & Kiehl, K.A. (May, 2011). *Neural Mechanisms of Passive Avoidance Learning in Psychopathy*. Conference proceedings of the Society for the Scientific Study of Psychopathy (SSSP) in Montreal, Quebec, Canada.

226. Aharoni, E. & Kiehl, K.A. (May, 2011). *Quantifying Criminal Success in Psychopathic Offenders*. Conference proceedings of the Society for the Scientific Study of Psychopathy (SSSP) in Montreal, Quebec, Canada.
227. Cope, L.M., Ermer, E., Nyalakanti, P.K., & Kiehl, K.A. (May, 2011). *Aberrant gray matter volume in criminal psychopathy*. Poster presented at the Society for the Scientific Study of Psychopathy Meeting (SSSP) in Montreal, Quebec, Canada.
228. Ermer, E., Greene, J.D., & Kiehl, K.A. (May, 2011). *Utilitarian moral judgments in incarcerated psychopaths*. Poster presented at the Society for the Scientific Study of Psychopathy (SSSP) Conference in Montreal, Quebec, Canada.
229. Harenski, C.L., Kiehl, K.A. (May, 2011). *A functional imaging investigation of emotion and moral judgment in female psychopathy*. Paper presented at the annual meeting of the Society for the Scientific Study of Psychopathy (SSSP), Montreal, Quebec, Canada.
230. Harenski, C.L., Harenski, K.A., Thornton, D.M., & Kiehl, K.A. (May, 2011). *Neural correlates of response inhibition and pain observation in pedophilia and sexual sadism*. Poster presented at the annual meeting of Society of Biological Psychiatry, San Francisco, CA.
231. Kiehl, K.A. (June, 2011). *The Criminal Psychopath: Who? Why? What?* Lecture presented in the symposium Predicting and Exploring Causation of Criminal Behavior. Second Circuit Judicial Conference, Lake George, NY. Invited lecture.
232. Kiehl, K.A. (September, 2011). *The Criminal Psychopath Magnetized: Insights from Neuroimaging of Incarcerated Youth and Adults*. Grand Rounds, New York University Child Study Center, New York, NY. Invited Lecture.
233. Kiehl, K.A. (September, 2011). *The Legal Implications of Criminal Psychopathy*. Private luncheon lecture provided to the Federal Judges of the Second Circuit Judicial Branch, New York, NY. Invited lecture by Federal Judge John Koeltl.
234. Kiehl, K.A. (October, 2011). *The criminal psychopath magnetized: Insights from neuroimaging*. PAL lecture series, Department of Psychology, University of New Mexico.
235. Kiehl, K.A. (October, 2011). *The Criminal Psychopath: Who? Why? What?* Mind Research Network lecture series. Albuquerque, NM.
236. Kiehl, K.A. (November, 2011). *The Cognitive Neuroscience of Criminal Psychopaths*. Department of Psychology, University of Maryland, College Park, MD. Invited lecture.
237. Kiehl, K.A. (February, 2012). *The criminal psychopath magnetized: Implications of brain imaging for psychology, medicine, law and policy*. Neuroscience and Public Policy Program, University of Wisconsin-Madison <http://npp.wisc.edu/>. Madison, WI. Invited speaker.

238. Kiehl, K.A. (April, 2012). *The neuroscience of the criminal psychopath: Any implications for law?* Boston Society of Neurology and Psychiatry, Harvard Medical School. Boston, MA. Invited Keynote Speaker.
239. Kiehl, K.A. (April, 2012). *The criminal psychopath magnetized: Implications of brain imaging for psychology, medicine, law and policy.* Duke University Law School. Invited speaker.
240. Kiehl, K.A. (April, 2012). *The Legal Implications of Criminal Psychopathy.* Federal judicial education seminar, National Workshops for U.S. Magistrate Judges, Organized by the National Federal Judicial Center in Washington, D.C., Miami, FL. Invited speaker.
241. Kiehl, K.A. (July, 2012). *The Legal Implications of Criminal Psychopathy.* Federal judicial education seminar, National Workshops for U.S. Magistrate Judges, Organized by the National Federal Judicial Center in Washington, D.C., Denver, CO. Invited speaker.
242. Kiehl, K.A. (August, 2012). *The Psychopath.* Invited paper, Google/Nature/O'Reilly Sci Foo Conference, Google Campus, Mountain View, CA.
243. Kiehl, K.A. (September, 2012). *The usual suspects magnetized: When law and neuroscience collide.* PAL lecture series, Department of Psychology, University of New Mexico, Albuquerque, NM.
244. Kiehl, K.A. (October, 2012). *The criminal psychopath magnetized: Insights from brain imaging.* Grand Rounds presentation to the Department of Psychiatry, Duke University, Durham, NC. Invited speaker.
245. Kiehl, K.A. (October, 2012). *The criminal psychopath magnetized: Insights from brain imaging.* Grand Rounds presentation to psychiatric staff at Central Mental Hospital, Duke University/University of North Carolina residents program. Invited speaker
246. Kiehl, K.A. (October, 2012). *Roundtable discussion on law and neuroscience.* Seminar on future tense, The New America Foundation, Washington, DC. Invited speaker.
247. Kiehl, K.A. (February, 2013). *The cognitive neuroscience of criminal psychopaths.* South Carolina Psychiatric Association 2013 Annual Conference. Charleston, SC. Invited speaker.
248. Kiehl, K.A. (March, 2013). *The science of psychopaths: Assessment, recidivism, neuroscience, and treatment.* Forensic Mental Health Association of California (FMHAC). Monterrey, CA. Invited Keynote speaker.
249. Kiehl, K.A., (May, 2013). *Psychopaths and the Law: Assessment, Recidivism, and Neuroscience.* Nevada Federal District Conference for Federal Judges, Las Vegas, NV. Invited Keynote speaker.

250. Kiehl, K.A., (May, 2013). *The Usual Suspects Magnetized: When Law and Neuroscience Collide*. Alaska Bar Convention. Juneau, AK. Invited Keynote speaker.
251. Kiehl, K.A. (May, 2013). *Psychopaths and the Law: Assessment, Recidivism and Treatment*. Alaska Bar Convention. Juneau, AK. Invited keynote speaker.
252. Kiehl, K.A. (May, 2013). *The Usual Suspects Magnetized: When Law and Neuroscience Collide*. New Mexico Bar Association. Judicial Education Seminar. Albuquerque, NM. Invited lecture by Judge Ronald Kennedy, New Mexico Court of Appeals.
253. Kiehl, K.A., (June, 2013). *The Usual Suspects Magnetized: When Law and Neuroscience Collide*. Santa Barbara Judicial Meeting, Santa Barbara, CA. Invited speaker.
254. Kiehl, K.A. (June, 2013). *The Usual Suspects Magnetized: When Law and Neuroscience Collide*. New Mexico Judicial Conclave. Albuquerque, NM. Invited Lecture.
255. Steele, V. R., Fink, B. C., & Kiehl, K. A. (June, 2013). *Predicting substance abuse treatment outcomes with psychopathy and event-related potentials in a Go/NoGo task*. Presented at the Society for the Scientific Study of Psychopathy Biennial Meeting, Washington, D.C.
256. Anderson, N.E., Kiehl, K. A., Harenski, K. A. (2013). *Attention to Emotion: Functional Activation Differences Associated with Psychopathy*. Poster presented at the biennial meeting for Society for the Scientific Study of Psychopathy: Washington, DC.
257. Kiehl, K.A. (July, 2013). *Neuroscience and Crime*. Summer Institute in Cognitive Science, Lake Tahoe, CA. Invited speaker.
258. Anderson, N. E., Maurer, J. M., Kiehl, K. A. (October, 2013). *Psychopathy and Brain Responses during Target Detection Tasks: fMRI and ERP findings*. Psychophysiology (abstr), 50 (suppl), S100. Poster presented at the annual meeting for the Society for Psychophysiological Research.
259. Kiehl, K.A. (November, 2013). *From Callous-Unemotional Traits to Psychopathic Personality: Neuroimaging Studies of High-Risk Youth and Adults*. New York University Child Study Center Grand Rounds. Invited Speaker.
260. Steele, V. R., Fink, B. C., Maurer, J. M., Arbabshirani, M. R., Sidz, A., Calhoun, V. D., Clark, V. P., & Kiehl, K. A. (November, 2013). *Event-related potential measures of incorrect responses predict completion of substance abuse treatment*. Nanosymposia Presented at the Society for Neuroscience Annual Meeting, San Diego, CA. Selected as Society for Neuroscience's "Hot Topic in Neuroscience".
261. Kiehl, K.A. (November, 2013). *Can Neuroscience Help Understand Risk For Homicide?* Sandra Day O'Connor Science Symposium. Arizona State University School of Law. Phoenix, Arizona. Invited Speaker.

262. Kiehl, K.A. (December, 2013). *From Neurons to Neuroimaging: Brain Scans 101*. Annual educational meeting of the State of Georgia Public Defender's Division. Brastown Valley, Georgia. Invited keynote speaker.
263. Kiehl, K.A. (February, 2014). *On Prediction in Legal Contexts: Would, Could, Should Neuroimaging Help?* Northwestern University School of Law. Invited Speaker.
264. Kiehl, K.A., (March, 2014). *The Usual Suspects Magnetized: When Neuroscience and Law Collide*. Weinberg Symposium, University of Michigan. Ann Arbor, MI. Invited speaker.
265. Buckholtz, J., Dorfman, H., Kastman, E., & Kiehl, K.A. (March, 2014). *The value of psychopathy: Aberrant computation of subjective value during intertemporal choice in incarcerated males with psychopathy*. Paper presentation in Application of Neuroscientific Methods and Research to Psycho-Legal Questions Symposium at the Annual Meeting of the American Society for Psychology and Law. New Orleans, NO.
266. Gaudet Kiehl, L., Lushing, J. & Kiehl, K.A. (March, 2014). *Neuroimaging Evidence in Court: An analysis of empirical research, legal arguments, and admissibility standards*. Paper presentation in Application of Neuroscientific Methods and Research to Psycho-Legal Questions Symposium at the Annual Meeting of the American Society for Psychology and Law. New Orleans, NO.
267. Vincent, G., Cope, L., Nyalakanti, P., & Kiehl, K.A. (March, 2014). *fMRI Study of Adolescents with CU-CD & Co-morbid Stimulant Abuse*. Paper presentation in Application of Neuroscientific Methods and Research to Psycho-Legal Questions Symposium at the Annual Meeting of the American Society for Psychology and Law. New Orleans, NO.
268. Anderson, N.E., Steele, V. R., Maurer, J. M., Kiehl, K. A. (March, 2014). *Psychopathy is associated with abnormal hemodynamic and electrocortical contextual baseline features in auditory target detection tasks*. Poster presented at the annual meeting Cognitive Neuroscience Society: Boston, MA.
269. Kiehl, K.A. (April, 2014). *Forensic Neuroscience*. Avielle Foundation Scientific Advisory Board meeting. New Haven, CT.
270. Kiehl, K.A. (April, 2014). *The Usual Suspects Magnetized: When Neuroscience and Law Collide*. Department of Psychiatry, University of Illinois – Chicago. Invited speaker.
271. Kiehl, K.A. (April, 2014). *Psychopathy: Etiology and Treatment*. Violence Institute of New Jersey Conference, Rutgers University, Invited Speaker.
272. Kiehl, K.A. (May, 2014). *The Neuroscience of Psychopaths: Legal and Policy Implications*. Department of Neuroscience, University of Wisconsin, Madison. Madison, WI. Invited speaker by the graduate students.
273. Kiehl, K.A. (June, 2014). *Neuroscience and Law – The Latest Science*. New Mexico Annual Judicial Education Enclave, Albuquerque, NM. Invited keynote speaker.

274. Kiehl, K.A. (June, 2014). *Neuro-Prediction – Science Update*. MacArthur Foundation. Law and Neuroscience Project, Chicago, IL. Invited speaker.
275. Kiehl, K.A. (June, 2014). *Neuroscience and Law: What to Expect from New Cases*. National Court Reporters Association (NCRA) Annual Meeting. San Francisco, CA. Invited speaker.
276. Kiehl, K.A. (July, 2014). *Neuroscience and Law*. OASIS (continuing education for senior citizens), Albuquerque, NM. Invited Speaker.
277. Kiehl, K.A. (September, 2014). *The Usual Suspects Magnetized: When Neuroscience Goes to Court*. Department of Psychology, Tulane University, New Orleans, LA. Invited speaker.
278. Kiehl, K.A. (September, 2014). *Neuroscience and Law*. Department of Psychology, University of New Orleans, LA. Invited speaker.
279. Kiehl, K.A. (September, 2014). *The Usual Suspects Magnetized: When Neuroscience Goes to Court*. Department of Psychiatry, Baylor College of Medicine, Houston, TX. Invited speaker.
280. Kiehl, K.A. (October, 2014). *Using Brain Scans to Predict the Criminal Mindset*. US Naval War College; CNO Strategic Studies Group. Providence, RI. Invited keynote speaker.
281. Kiehl, K.A. (November, 2014). *Neuroscience of Prediction in Legal Contexts*. Duke University, Durham, NC. Invited lecture.
282. Kiehl, K.A. (November, 2014). *The Neuroscience of Psychopaths: Legal and Policy Implications*. Department of Psychology, University of Wisconsin-Madison. Madison, WI. Invited speaker.
283. Kiehl, K.A. (November, 2014). *The Neuroscience of Violence and Risk Prediction*. Presidential Symposium, German Association for Psychiatry, Psychotherapy, and Psychosomatics (DGPPN). Berlin, Germany. Invited keynote speaker.
284. Kiehl, K.A. (January, 2015). *Psychopathy. A Murder Mystery Event*. A three day inter-session educational course on science and law. Duke University, Durham, NC. Invited speaker.
285. Kiehl, K.A. (January, 2015). *The Brain Safe Program*. Arizona State University School of Law Symposium on Concussions in NCAA Athletes, Phoenix, AZ. Invited speaker.
286. Kiehl, K.A. (February, 2015). *Neuroscience of Incarcerated Youth*. Texas Youth Bar Association Annual Meeting. Dallas/Ft. Worth, TX. Invited Speaker.
287. Kiehl, K.A. (February, 2015). *Understanding, Predicting, and Reducing Bad Decisions: Can Neuroscience Help?* Department of Psychology, Duke University, Durham, NC. Invited speaker.

288. Kiehl, K.A. (February, 2015). *Neuroscience and Law*. Panel Member/Speaker at the Yale Law School Event – Rebellious Lawyer Conference. New Haven, CT. Invited Speaker.
289. Kiehl, K.A. (March, 2015). *Gray Matters: Neuroscience, Ethics and the Law*. ACGP. San Diego, CA. Invited Speaker.
290. Steele, V. R., Bernat, E. M., Calhoun V. D., & Kiehl, K. A. (March, 2015). *Neuroimaging measures of cognitive control: Extracting reliable signals*. Mini-Symposium presented at the Cognitive Neuroscience Society's Annual Meeting, San Francisco, CA.
291. Kiehl, K.A. (April, 2015). *The Neuroscience of Prediction*. IARPA conference. Albuquerque, NM.
292. Kiehl, K.A. (April, 2015). *Psychopaths for engineers*. Department of Electrical Engineering, University of New Mexico. Invited lecture.
293. Kiehl, K.A. (April, 2015). *Neuroscience of Prediction*. Los Alamos National Laboratory, Los Alamos, NM. Invited speaker.
294. Kiehl, K.A. (May, 2015). *The Usual Suspects Magnetized: Neuroscience Goes to Court*. North Dakota Judicial Education Lecture. Grand Forks, ND. Invited Speaker.
295. Kiehl, K.A. (May, 2015). *It's All in the Mind Y'know: Uses and Misuses of Neuroscience in Law*. Exploratorium, San Francisco, CA. Invited speaker.  
<http://www.exploratorium.edu/visit/calendar/balance-bringing-science-justice-david-faigman-may-21-2015>
296. Kiehl, K.A. (June, 2015). *Neuroimaging studies of incarcerated high-risk youth*. South Carolina Psychiatric Association. Charleston, SC. Invited Speaker.
297. Kiehl, K.A. (June, 2015). *The Intersection of Science and Law from the Scientific Point-of-View*. Illinois State Judicial Education Conference. Champaign, IL. Invited Speaker.
298. Kiehl, K.A., Lushing, J., Steele, V., Harenski, C. (June, 2015). *Brain Imaging in Female Psychopathy*. Annual Meeting of the Society for the Scientific Study of Psychopathy (SSSP). Chicago, IL.
299. Ulrich, D. M., Maurer, J. M., Nayalkanti, P. K., Kiehl, K. A. (June, 2015). Aberrant paralimbic functional connectivity in psychopathic male offenders. Poster presented at Society for the Scientific Study of Psychopathy, Chicago, Illinois.
300. Maurer, J. M., Steele, V. R., Fink, B. C., Vincent, G. M., Calhoun, V. D., & Kiehl, K. A. (June 2015). *Dysfunctional error-related processing in psychopathic personality captured using interview-based assessments, but not self-report measures*. Society for the Scientific Study of Psychopathy, Chicago, IL.



301. Anderson, N. E., Steele, V. R., Maurer, J. M., & **Kiehl, K. A.** (June 2015). *Dissociating emotional processing and attention to emotion in psychopathy*. Society for the Scientific Study of Psychopathy, Chicago, IL.
302. Kiehl, K.A. (July, 2015). *The Science of Psychopaths*. University of Pisa, Pisa, Italy. Invited lecture.
303. Kiehl, K.A. (July, 2015). *The Neuroscience of Criminal Psychopaths*. Annual Meeting of International Society of Law and Mental Health. Vienna, Austria. Invited lecture.
304. Kiehl, K.A. (September, 2015). Panel Member. Summer Seminars in Philosophy and Neuroscience, Duke University, Durham, NC.
305. Kiehl, K.A. (October, 2015). *The Neuroscience of the Criminal Psychopath*. University of Charleston, Charleston, SC. Invited speaker.
306. Steele, V. R., Claus, E. D., Fink, B. C., Maurer, J. M., Arbabshirani, M. R., Rao, V., Calhoun, V. D., & Kiehl, K. A. (October, 2015). *Functional magnetic resonance imaging measures of network connectivity related to incorrect responses predict completion of substance abuse treatment*. Presented at the Society for Neuroscience Annual Meeting, Chicago, IL.
307. Steele, V. R., Claus, E. D., Fink, B. C., Maurer, J. M., Arbabshirani, M. R., Rao, V., Calhoun, V. D., & Kiehl, K. A. (2015, October). *Neural measures of incorrect responses predict completion of substance abuse treatment*. Presented at the Greater Baltimore Chapter of Society for Neuroscience, Baltimore, Md.
308. Kiehl, K.A. (November, 2015). *The Neuroscience of Concussions*. Arizona State University Public Symposium on Concussions in Sports. Invited Speaker.
309. Kiehl, K.A. (February, 2016). *Neuroprediction and the Law*. Fordham Law School, New York, NY. Invited Speaker.
310. Kiehl, K.A. (March, 2016). *The Usual Suspects Magnetized: Neuroscience Goes to Court*. Duke University, Durham, NC. Invited Speaker.
311. Kiehl, K.A. (June, 2016). *When Neuroscience and Law Collide*, International School for Advanced Studies (IMT), Lucca, Italy. Invited Speaker.
312. Kiehl, K.A. (June, 2016). *Criminological Sciences: Prediction of Antisocial Behavior*. IALM, Intersocietal Symposium. Venice, Italy. Invited Keynote Speaker.
313. Kiehl, K.A. (June, 2016). *Neuroscience and Law: Case Studies*. University of Padova, Venice, Italy. Invited Speaker.
314. Kiehl, K.A. (November, 2016). *When neuroscience and law collide*. University of Utah Law School, Salt Lake City, UT. Invited Speaker.
315. Kiehl, K.A. (April, 2017). *Psychopaths*. Lecture to the Military Officers Association of America (MOAA; ABQ Chapter). Invited speaker.

316. Maurer, J. M., Steele, V. R., Cope, L. M., Vincent, G. M., Stephen, J. M., Calhoun, V. D., & Kiehl, K. A. (May, 2017). *Dysfunctional error-related processing in incarcerated youth with elevated psychopathic traits*. Poster session presented at the biennial meeting of the Society for the Scientific Study of Psychopathy Meeting (SSSP) in Antwerp, Belgium.
317. Crooks, D., Anderson, N.E., Widdows, M., Petseva, N., Koenigs, M., Kiehl, K.A. (May, 2017). *Any way you slice it: Cavum septum pellucidum as a marker for psychopathic traits but not antisocial behavior*. Presented at the biennial meeting of the Society for the Scientific Study of Psychopathy: Antwerp, Belgium.
318. Ulrich, D. M., Maurer, J. M., Nayalkanti, P. K., Kiehl, K. A. (May, 2017). Paralimbic functional connectivity in juvenile offenders with psychopathic traits. Poster presented at Society for the Scientific Study of Psychopathy, Antwerp, Belgium.
319. Kiehl, K.A. (January, 2017). *The Utility of MRI in Mental Health, Forensics and Sports*. University of Nebraska, Lincoln, NE. Invited lecture.
320. Kiehl, K.A. (February, 2017). *Neuroimaging and the Law: Past, Present and Future*. Invited keynote at the American College of Psychiatry Annual Meeting, Phoenix, Az.
321. Kiehl, K.A. (February, 2017). *Neuroscience and law: Case studies*. Invited lecture at ASU law school. Phoenix, Az.
322. Kiehl, K.A. (March, 2017). *Neuroscience, Mental Health and the Law: Past, present and future*. Three hour keynote address at the Forensic Mental Health Society annual meeting, Monterrey, CA. Invited lecture.
323. Kiehl, K.A. (April, 2017). *Case studies in neuroscience and law*. Invited presentation by the students of the Vanderbilt University Law School. Nashville, TN.
324. Kiehl, K.A. (April, 2017). *Psychopaths and the law*. Invited presentation by Dr. Own Jones, Professor of Law, Vanderbilt University. Nashville, TN.
325. Kiehl, K.A. (April, 2017). *All you wanted to know about psychopaths!* Invited presentation to the Albuquerque chapter of retired military officers. Albuquerque, NM.
326. Kiehl, K.A. (May, 2017). *Neuroscience of the criminal psychopath*. University of Leige, Belgium. Invited lecture.
327. Kiehl, K.A. (May, 2017). *Machine learning in the forensic system*. European Association of Psychology and Law. Mechelen, Belgium. Invited speaker.
328. Kiehl, K.A. (September, 2017). *Past, present and future of neuroscience and law*. Department of Psychiatry, University of Toronto, Toronto, ON, Canada. Invited lecture.
329. Kiehl, K.A. (January, 2018). *(Neuro)Prediction of Antisocial Behavior*. Invited speaker. Winter Conference on Neuroplasticity. Curacao, Dutch Antilles.
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331. Kiehl, K.A. (February, 2018). *(Neuro)Prediction of Antisocial Behavior*. Albuquerque chapter of the Federal Bureau of Investigation. Albuquerque, NM, Invited speaker.
332. Kiehl, K.A. (March, 2018). Past, present and future of neuroscience and law. Tulane University Forensic Psychiatry Meeting, New Orleans, NO. Invited keynote speaker.
333. Kiehl, K.A. (May, 2018). Neuroscience and the law: Past, present, and future. Mt. Sinai Medical School, New York, NY, Invited Lecture.
334. Kiehl, K.A. (June, 2018). Panel presenter, Machine learning in forensic contexts, DARPA L2M Project meeting, Chicago, IL.

Last updated 4/17/19.