

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

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

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
2019	Inaugural Recipient, Departmental Award for Most Productive Researcher, UNM Psychology
2020-23	Award for Most Productive Researcher, UNM Psychology
2026	R.D. Hare Lifetime Achievement Award, highest honor from the Society for the Scientific Study of Psychopathy (SSSP)

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
2009-15	American Psychological Association (resigned following APA torture scandal)
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)
2013-21	Scientific Advisory Board Member, The Avielle Foundation (http://aviellefoundation.org). 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.

- 2015-23 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>
- 2024- Senior Advisor for TRR 379 German Research Foundation Collaborative Research Center: Neuropsychobiology of Aggression: A transdiagnostic approach in mental disorders.

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
- 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.
Visited sites - University of Magdeberg, Germany; Aalto University, Finland; Karolinska Institute, Sweden; Panum Institute, University of Copenhagen, Denmark; Charite Hospital, Free University Berlin, Germany.
- 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 (CEBRA)
- 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
- 2021 NIH study section on student loan repayment program
- 2021 NIH study section on Firearm Injury and Mortality Prevention Research
- 2022 NIH study section on NIMH Loan Repayment Program (LRP)
- 2022 NIH study section on Support for Research Excellence - First Independent Research Support & Transition (SuRE-First) for underrepresented sites in biomedical research
- 2023 NIH study section on NIMH Loan Repayment Program (LRP)
- 2023 NIH study section Special Emphasis Panel/Scientific Review Group Child Health and Human Development meeting.
- 2024 NIH study section on NIMH Student Loan Repayment Program (LRP)
- 2025 NIH study section on NIMH Student Loan Repayment Program (LRP)
- 2025 NIH study section for NIMH (Spring, 2025)

2025 NIH study section on scholarships/F-awards (NIDA)
 2025 NIH study section ad hoc member - Brain Injury and Neurovascular Disorders (BIND)

EDITORIAL POSITIONS

2006-07 Associate Editor, *Psychophysiology*
 2017- Guest Editor, *Proceedings of the National Academy of Science*
 2023-24 Editor (with Dr. Alan Felthous), *Behavioral Sciences and the Law*, Special Issue on *Neuroimaging and Forensically Relevant Conditions*

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, NeuroImage, NeuroImage Clinical, 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
 2015-21 Grant Mentoring Committee, Department of Psychology
 2017 Admissions 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
 2019-26 Grice Awards Committee, Department of Psychology
 2020-21 Admissions Committee, Department of Psychology
 2021-22 Senior Promotions Committee, Arts and Science Dean's Office, UNM
 2022-23 Chair, Senior Promotions Committee, Arts and Science Dean's Office, UNM
 2022-26 Admissions Committee, Department of Psychology
 2025 Chair, Admissions Committee, Department of Psychology
 2025- Chair, Space 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

COMMUNITY SERVICE

- 2022- Appointed member of Firewise and Public Safety Committee (volunteer), Village of Taos Ski Valley, New Mexico
 2024- Appointed member of Parks and Recreation Committee (volunteer), Village of Taos Ski Valley, New Mexico

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 (<http://www.gruterinstitute.org>) and the John T. and Catherine D. MacArthur Foundation 'Law and Neuroscience Project' <http://lawandneuroscienceproject.org>

- 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.
- 2020-23 Consultant to University of Binghamton, Department of Psychology, on the purchase of MRI for main campus. Designed facility and MRI room.
- 2022-25 Consultant to Clemson University, Department of Psychology, on the purchase of MRI for research.
- 2023-25 Consultant to The Ohio State University, Department of Psychiatry, on the purchase of both mobile MRI and fixed MRI for campus.

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 2nd 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
- 2024- Invited Lecturer, National Courts and Sciences Institute
- 2025 State of New Mexico Judicial Education

STUDENTS/ POSTDOCS/ SCIENTISTS SUPERVISED

Current:

Michaela Milillo, (2023-current). Clinical psychology graduate student, University of New Mexico. Role: Primary mentor.

Corey Allen, Ph.D. (2020-current). Post-doctoral fellow, received Ph.D. 2020, Georgia State University. Role: Primary mentor.

Michael Maurer, Ph.D., (2020-current). Post-doctoral fellow. Received B.A. Psychology 2012, University of California-Davis. Ph.D. University of New Mexico. NRSA Graduate Fellowship Recipient (1st percentile). Role: Primary graduate mentor and NRSA mentor. Current Role: Primary postdoctoral mentor.

Samantha Rodriguez (2020-current). Received B.A., University of Delaware, 2019. Graduate student at UNM. Role: Primary mentor.

Bethany Edwards, Ph.D. (2017-2022). Received B.A. Purdue University, 2007, MA Psychology, University of South Florida 2017; Role: Primary graduate mentor. NRSA Graduate Fellowship Recipient. Clinical Psychology.

Nathaniel Anderson, Ph.D. (2011-current), Psychology, Baylor College. Role: Primary postdoctoral mentor. NRSA post-doctoral application scored 1st 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)

Christopher Pirrung (2020-2023). Faculty member on committee.

Shannon Crichlow, MA (2021-2025). Doctoral student at Fielding Graduate University. Role: External examiner for proposal and dissertation.

Palmer Tirrell (2020-2022). Received B.A., University of Florida, 2019; Graduate student at UNM. Role: Primary mentor.

Sandra Wiley de Navarro (2019-2021). Undergraduate student researcher at UNM. Role: Primary mentor.

Ashly Sajous-Turner (2017-2020). A PREP Scholar. Role: Primary mentor on her post bac research project.

Devin Jones Ulrich, Ph.D. (2016-2022). Received B.A. Duke University, 2016. Role: Primary graduate mentor clinical psychology.

Darin Russel Brown (2016-2019). Ph.D. student in cognitive neuroscience at UNM. Role: Comps committee and Dissertation committee member.

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.

Devin Jones Ulrich, Ph.D. (2016-2022). Received B.A. Duke University, 2016. Role: Primary graduate mentor clinical psychology.

Michael Maurer (2014-2019). Received B.A. Psychology 2012, University of California-Davis. NRSA Graduate Fellowship Recipient (1st percentile). Role: Primary graduate mentor and NRSA mentor.

Samantha Fede, Ph.D. (2012-2017). Received B.A. in Psychology and Philosophy 2011, Virginia Polytechnic University. Role: Primary graduate mentor. Assistant Professor of Psychology, Auburn University

Eyal Aharoni, Ph.D., (2012-2015). Ph.D. in Psychology, UCSB, NRSA Fellow 2012-2015. Role: Primary postdoctoral supervisor. Currently Associate Professor (with tenure), Georgia State University.

Vaughn Steele, Ph.D. (2011-2015). Psychology, University of Minnesota. Role: Primary postdoctoral mentor. Currently Assistant Professor, Yale University.

- 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, Ph.D. (2014-2015). Forensic Psychology, Simon Frazer University. Role: Primary post-doctoral mentor. In private practice.
- Edward Bernat, Ph.D. (2011-2014). Psychology, University of Michigan, NIDA K01 awardee. Role: Primary mentor on K-award. Currently Associate Professor, Department of Psychology, University of Maryland.
- Dustin Pardini, Ph.D. (2011-2014). Clinical Psychology, University of Alabama. Currently Associate Professor, Criminology Department, Arizona State University. Role: Consultant on K-award.
- Gina Vincent, Ph.D. (2010-2014). Forensic Psychology, Simon Fraser University, NIDA K01 awardee. Role: Co-mentor on K-award. Currently Associate Professor of Psychiatry, University of Massachusetts Medical School.
- Lora Cope, Ph.D. (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.
- Brandi Fink, Ph.D. (2009-10). Received Ph.D., 2010, University of New Mexico. Role: Primary post-doctoral supervisor. Associate Professor of Psychiatry, University of New Mexico.
- Mathew Shane, Ph.D. (2006-2009). Received Ph.D., 2004, University of Toronto. Role: Primary post-doctoral supervisor; NIDA I/START Mentor. Associate Professor of Psychology, Ontario Tech, Canada.
- 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, Ph.D. (2006-2009), doctoral student in cognitive psychology, NRSA recipient, Department of Psychology, Yale University, Role: 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, Ph.D. (2005-2007). Received B.A. Dartmouth College, 2003; NRSA recipient and doctoral student in neuroscience, Stanford University. Role: Primary NRSA mentor and post-graduate mentor 2005-2007. Currently Assistant Professor, Duke University.
- Elizabeth Stevens, Ph.D. (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, Ph.D. (2002-2004). Currently doctoral candidate Clinical Psychology, Boston University, 2005. Role: Primary supervisor of post-graduate training period.
- Matthew Johnson, Ph.D., (2003-2005). Currently doctoral candidate Neuroscience, Yale University. Role: Co-supervisor of post-graduate training period.
- Joseph Bates, Ph.D. (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
NIH/NSF Funding as Primary Investigator *	\$29,974,335	\$22,448,467	\$52,418,800
Non-NIH funding*	\$6,122,900	\$4,268,128	\$10,391,028
Total**	\$36,097,235	\$26,716,595	\$62,809,828
Current backlog FY2022-FY2029	\$7,900,000	\$6,320,000	\$14,220,000

*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	DATES/AMOUNTS	EFFORT LEVEL
NINDS: 1R01DA058004-01A1 (MPI: Kiehl /Baskin-Sommers (Yale U) <i>Matching Treatments to Cognitive Deficits in Offenders with Substance Use Disorders</i>	09/30/24-5/31/29	20% or 2.4 \$465,312 direct \$3,892,409 total costs
Research has shown that dysfunctional cognitive-emotion interactions undermine self-regulation in subtypes of high-risk individuals which contribute to risk for relapse to substance use and antisocial activity. Here we implement a randomized clinical trial of two cognitive remediation training programs to address these deficits and track real-world behavioral and neural change associated with these interventions.		
Role: MPI on award.		
NIH: 1R01MH124843-01 (PI: Edwards) <i>Multimodal prediction of risk outcomes in female offenders</i>	2/01/25-1/31/30	20% or 2.4 \$4,454,500 total
Develop and examine models of risk prediction in female offenders using behavioral and neural variables.		
Role: Co-Investigator		
NINDS: 3R01NS126742-03S1 (PI: Kiehl) <i>A longitudinal study of traumatic brain injury in a high-risk population (Administrative Supplement)</i>	09/01/24-05/31/25	10% or 1.2 \$99,883 direct \$180,788 total costs
The parent R01 tests the ability of machine learning algorithms to predict brain injury and cognitive decline from multimodal neuroimaging data. This raises complex bioethical questions. Here we conduct bioethical inquiry and stakeholder analysis in vulnerable forensic populations regarding the complex issues surrounding Artificial Intelligence/Machine Learning diagnostics for TBI and use of advanced techniques for treatment of TBI in forensic populations.		
Role: PI on award.		
NINDS: 3R01NS126742-02S1 (PI: Kiehl)	09/15/23-5/31/25	10% or 1.2

<i>Cloud based neuroimaging analysis for identifying traumatic brain injuries and related changes (Cloud supplement)</i>		\$99,883 direct \$180,788 total costs
This administrative supplement builds on the aims of a recently awarded R01 which develops classification algorithms for identifying and tracking progressive pathology associated with mild traumatic brain injury (mTBI) in a population of high-risk individuals and will develop cloud-based solutions to process high volume brain imaging classification algorithms for traumatic brain injury.		
Role: PI on award.		
NIDA: R01DA055158 (PI: Kiehl)	08/04/22-05/31/27	15% of 2.4
<i>Neurocognitive abnormalities in stimulant abuse among high-risk women</i>		\$485,000 direct \$4,049,076 total
Examines neural impact of substance abuse in a forensic sample of women.		
Role: PI on award.		
NINDS: 1R01NS126742-01A1 (MPI: Kiehl/Koenigs)	08/04/22-05/31/27	15% or 2.4
<i>A longitudinal study of traumatic brain injury in a high-risk population</i>		\$475,000 direct costs \$3,354,444 total costs
Predicting outcomes and cognitive decline in a forensic population.		
Role: PI on award.		
NIAAA: 1R01AA026290-01A1 (MPI: Kiehl/Koenigs)	07/01/18-06/31/25	15% or 2.4
<i>Mindfulness for Alcohol Abusing Offenders: Mechanisms and Outcomes</i>	(Currently in NCE)	\$435,000/yr direct costs \$3,706,215 total costs
Randomized treatment study examining efficacy and neural changes associated with mindfulness vs relapse prevention in female offenders.		
Role: MPI on award		
NIMH: 1R01MH114028 (PI: Harenski)	12/1/17 – 11/30/22	15% or 2.4
<i>Socioemotional Processing and Aggression</i>	(Currently in NCE)	\$400,000/yr direct costs \$3,459,820 total costs
Examines highly aggressive inmates with mental illnesses to differentiate among etiological trajectories promoting these behaviors.		
Role: Co-Investigator		

--	--	--

NON-FEDERAL AWARDS – ACTIVE	DATES/AMOUNTS	EFFORT LEVEL
Ohio State University	2024/5: 20 months	1%
Collaboration and rental of Mobile MRI – Project SOAR	\$60,000/month	\$1,400,000 total

NON-FEDERAL AWARDS – RECENT	DATES/AMOUNTS	EFFORT LEVEL
Bently Foundation	6/1/19-5/30/23	\$438,000 total

Using Deep Learning to Predict Risk Outcomes and Treatment Efficiency in High-Risk Youth		
Role: Primary Investigator		

FEDERAL GRANTS – PENDING AS PI	DATES/AMOUNTS	EFFORT LEVEL
NIH: 1R01MH135444 (PI: Kiehl)	7/01/25-06/30/30	20% or 2.4
Traumatic Brain Injury in Forensic Psychiatric Patients		\$4,501,100 total
Test artificial intelligence-based algorithms for mild TBI detection from multimodal MRI data in forensic psychiatric patients		
Role: Primary Investigator		
NIH: 1R01AA031831 (PI: Kiehl)	4/01/25-3/31/30	20% or 2.4
<i>Multimodal Study of FASD in Forensic Populations</i>		\$4,501,228 total
Examine neural systems linked to fetal alcohol spectrum disorders in forensic populations		
Role: Primary Investigator		
NIH: 1R01NS144160 (PI: Kiehl)	7/01/25-6/30/30	20% or 2.4
<i>Investigating Contemporary Neuroethical Issues: Stakeholder Viewpoints of Incarcerated Individuals</i>		\$4,434,500 total
Examine neuroethical and treatment issues in incarcerated populations and other stakeholder groups		
Role: Primary Investigator		
NIH: 1R01NS115852-01A1 (MPI: Kiehl/Koenigs)	9/01/25-8/31/30	20% or 2.4
<i>Traumatic brain injury in male and female prison inmates</i>		\$4,434,500 total
Assess epidemiology of traumatic brain injury in 3000 inmates and use advanced neuroimaging techniques to detect injury.		
Role: Primary Investigator (multiple PI award)		
NIH: R61MH146217 (MPI: Kiehl)	7/1/2026-6/30/2031	20% or 2.4
<i>Empathy Treatment in a High-Risk Population</i>		\$8,983,094 total
Implement and test a novel cognitive remediation program to improve empathy in forensic populations		
Role: Primary Investigator (multiple PI award)		
NIH: R01MH143931 (PI: Kiehl)	4/1/2026-3/31/2031	20% or 2.4
<i>HiTOP in forensic populations</i>		\$4,501,228 total
Test and develop the alternative conceptualization of mental illnesses (HiTOP) in forensic populations		
Role: Primary Investigator		
NIH: R21DA065952(PI: Kiehl)	4/1/2026-3/31/2028	20% or 2.4
<i>Therapeutic Application of Transcranial Magnetic Stimulation for Polysubstance Use Disorder</i>		\$2,000,000 total
Feasibility study to recruit and test TMS for substance use in forensic populations		
Role: Primary Investigator		

FEDERAL GRANTS – PAST	DATES/AMOUNTS	EFFORT LEVEL
NIMH: 5R01MH109329-02 (MPI: Decety/ Kiehl) <i>Socioemotional processing in female offenders</i>	06/01/16-05/31/21	15% OR 2.4 \$375,000/yr direct costs \$4,049,076 total costs
Examine empathic processing in female offenders with severe personality problems.		
Role: MPI on award; PI on subaward		
NICHHD: 1R01HD082257-01 (MPI: Kiehl /Caldwell) <i>Brain changes and outcomes associated with evidence-based treatment in high-risk youth</i>	07/01/15-06/30/20	15% or 2.6 \$410,000/yr direct costs \$4,072,441 total costs
Role: Primary Investigator		
NICHHD: 1R01HD092331-01 (PI: Kiehl) <i>Externalizing outcomes in high-risk youth</i>	08/01/17-07/30/22 (Currently in NCE)	15% or 2.6 \$450,000/yr direct cost \$3,526,787 total costs
Conduct longitudinal outcomes study of n>300 high risk youth.		
Role: Primary Investigator		
DARPA: (PI: Vogelstein) <i>Lifelong Learning Machines (L2M)</i>	3/01/18-2/28/21	10% or 1.2 \$165,000/yr direct \$594,000 total costs
Teaching machines to learn without supervision to predict outcomes.		
Role: Subcontract PI		
NSF: (MPIs: Aharoni/ Kiehl) <i>Neurobiologically-informed risk assessment: An empirical examination</i>	09/01/18-08/31/20	10% or 1.2 \$316,167/yr
Develop algorithms to predict antisocial outcomes.		
Role: MPI; Subcontract PI		
NIDA: 1R56DA026505 (PI: Kiehl) <i>Socio-moral processing in female stimulant abuse and psychopathy</i>	09/01/17-08/30/18	10% or 1.2 \$175,000/yr direct costs \$300,000 total costs
One year award to develop predictive algorithms in high-risk female offenders.		
Role: Primary Investigator		
NIDA: 1R01DA026964-01A1 (PI: Kiehl) <i>Action monitoring, action observation and dopamine genes as predictors of substance abuse</i>	07/01/10 - 06/30/17	20% or 2.4 \$3,065,259 total
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		
NIMH: R01MH090169-01 (PI: Kosson)	06/01/11 - 05/30/16	10% or 1.2

<i>Neural Substrate of Cognitive and Emotional Deficits in Psychopathy</i>		\$3,753,930 total
Comparison of three models of psychopathy, left hemisphere dysfunction, response modulation, and paralimbic dysfunction.		
Role: Subcontract PI (\$1,500,000 direct costs)		
NIMH: R01MH087525-01 (PI: Decety)	06/01/11 - 05/30/16	10% or 1.2
<i>Neurological mechanisms of empathetic and emotional processes in individuals who vary in psychopathic traits</i>		\$ 2,514,850 total
Develop an integrative understanding of the functional neuroanatomy of empathy dysfunctions in psychopathic individuals.		
Role: Subcontract PI (~\$1,000,000 direct costs)		
NIDA: 1R01DA026505-01A1 (PI: Kiehl)	09/01/09-05/31/15	20% or 2.4
<i>Socio-moral processing in psychopathy and substance abuse</i>		\$424,868/yr direct costs \$3,436,621 total costs
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		
NIMH: 1R01MH085010-01A1 (PI: Kiehl)	07/17/09-04/30/15	20% or 2.4
<i>The cognitive neuroscience of female psychopathy</i>		\$396,653/yr direct costs \$3,360,119 total costs
To test the paralimbic dysfunction hypothesis of psychopathy in female offenders using event-related potentials and functional magnetic resonance imaging.		
Role: Primary Investigator		
NIMH: 1R01MH071896-01 (PI: Kiehl)	02/01/06-12/30/11	14% or 1.68
<i>Neurocognitive assessment of 'Callous' Conduct Disordered youth</i>		\$212,500/yr direct costs \$1,815,000 total costs
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		
NIDA: 1R01DA020870-01 (PI: Kiehl)	10/01/05-09/30/11	10% or 1.2
<i>Neurocognitive changes associated with behavioral treatment in cocaine abusers</i>		\$388,096/yr direct costs \$2,942,529 total costs
To examine functional and structural changes associated with three cognitive behavioral treatment protocols in cocaine abusers.		
Role: Primary Investigator		
NIMH: 1R01MH072681-01 (PI: Kiehl)	07/01/05-06/30/11	10% or 1.2
<i>Abnormal functional connectivity in psychosis</i>		\$212,500/yr direct costs \$1,542,750 total costs
To use functional imaging measures to differentially diagnose schizophrenia from psychotic bipolar illness.		
Role: Primary Investigator		

NIDA/NIH: 1R21DA027149-01 (MPIs: Shane, Posse, Kiehl)	08/15/09 - 07/31/11	5% or 0.6
<i>Using rt-fMRI to modulate neural responses to drug and nondrug rewards in cocaine abusers</i>		\$469,334 total
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		
NIDA: 1R21DA029464-01 (MPIs: Shane, Posse, Kiehl)	10/01/09 – 9/30/12	10% or 1.2
Using Real-Time MRI to facilitate neuromodulation to drug-cues in adolescent substance abuse.		\$671,560 total
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		
NIMH: 2R01R3743775-14 (PI: Pearlson)	6/1/09-05/31/13	5% or .6
<i>Quantitative neuroimaging in psychosis</i>		\$360,000/yr
Investigates circuit-wide abnormalities in schizophrenia using functional and structural brain MRI in schizophrenia and healthy controls.		
Role: Co-Investigator		
NIH/NCRR: 1P20RR021938-01A1 (Calhoun)	9/8/08-6/30/13	5% or .6
<i>COBRE: Neural mechanisms of schizophrenia: Use of multiple tools to examine dysfunctions in neural integration</i>		\$1,725,415/yr
Examines functional and anatomical connectivity in schizophrenia using multimodal neuroimaging analyses.		
Role: Co-Investigator		
NIMH: RO1MH077945-01 (PI: Pearlson)	12/01/07-11/30/12	2.5% or 0.3
<i>Bipolar & schizophrenia consortium for parsing endophenotypes</i>		\$670,295/yr \$3,936,632 total
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		
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: 1R01AA017390-01 (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: 1R01MH074934-01 (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: 1R01EB000840-01 (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: 1R03 (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)	08/01/04 -07/01/09	No salary
<i>Neuroimaging cognition in adolescent behavior disorders</i>		\$142,250
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		
NIMH: 1R01MH070539-01 (PI: Kiehl)	12/01/04-11/30/08	10% or 1.2
<i>ERP and fMRI of emotion and cognition in psychopathy</i>		\$202,000/yr direct costs \$1,192,320 total costs
To test the paralimbic dysfunction hypothesis of adult psychopathy using event-related potentials and functional magnetic resonance imaging.		
Role: Primary Investigator		
NIDA: RO1DA11426 (PI: Bolla)	10/01/98-09/30/02	Consultant

<i>Cocaine abuse and limbic prefrontal function</i>		\$738,423
Examination of prefrontal function in cocaine abusers using positron emission tomography.		
Role: Consultant		

ADDITIONAL NON-FEDERAL FUNDING – ACTIVE		
None		

ADDITIONAL NON-FEDERAL FUNDING - PAST		
MacArthur Foundation Law and Neuroscience Project (Part 2)	1/1/2009-6/31/2011	\$534,900
<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		
MacArthur Foundation Law and Neuroscience Project (Part 1)		\$150,000
<i>Mapping of brain activity to chart connections among brain region and activities to fully understand brain functions and disorders.</i>		
Role: Primary Investigator		
National Alliance on Research in Schizophrenia and Depression (NARSAD) (PI: Kiehl)	08/01/01-07/31/03	No salary
<i>Hemodynamic assesment of neurocognitive remediation in schizophrenia.</i>		\$60,000
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		
Institute of Living Open Grant Competition Award (PI: Stevens)	07/01/04-06/30/06	No salary
<i>Response inhibition in Attention-Deficit/Hyperactivity Disorder</i>		\$65,000
Double-blind placebo study of the effects of stimulant medication on response inhibition processes in ADHD.		
Role: Co-Investigator		
Institute of Living Open Grant Competition Award (PI: Stevens)	07/01/04-06/30/06	No salary
<i>Neuropsychology and DTI of Traumatic Brain Injury</i>		\$75,000
Test-retest study examining functional and structural (gray and white matter) changes associated with acute traumatic brain injury.		

Institute of Living Open Grant Competition Award (PI: Kiehl)	8/01/02-7/31/03	No salary
<i>Electrophysiological assessment of error monitoring in psychotic illnesses</i>		\$50,000
To examine brain potential correlates of error-monitoring in patients with schizophrenia.		
Role: Primary Investigator		
Institute of Living Open Grant Competition Award (PI: Kiehl)	01/15/03-01/14/04	No salary
<i>Differentiating the neural systems involved in psychosis: Affective disorder versus schizophrenia</i>		\$50,000
Pilot study to collect ERP and fMRI data in patients with bipolar illness and schizophrenia to develop algorithms to discriminate them.		
Role: Primary Investigator		
Institute of Living Open Grant Competition Award (PI: Tolin)	08/01/02-07/31/03	No salary
<i>A pilot study of conflict monitoring in obsessive-compulsive disorder: Relationship to symptoms and treatment response</i>		\$50,000
A pilot study examining changes in conflict monitoring in OCD associated with cognitive behavioral treatment.		
Role: Co-Investigator		
Institute of Living Open Grant Competition Award (PI: Maltby)	01/15/03-01/14/04	No salary
		\$50,000
<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		
Institute of Living Open Grant Competition Award (PI: Calhoun)	01/15/03-01/14/04	No salary
<i>Functional mapping of the neocortical network in schizophrenia: Executive-function impairments and spontaneous fluctuations in fMRI.</i>		\$50,000
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		

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)

1. "Suffering Souls" by John Seabrook, New Yorker, November 10, 2008, pages 64-73. 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 Current, April 6, 2004. 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 Current, December 18, 2005. Front page cover article. 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.stlmag.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>
16. "Why You Shouldn't Make a Contract With a Psychopath", by Jeffrey Kluger, Time Magazine. November 8, 2010. <http://healthland.time.com/2010/11/04/why-you-shouldnt-make-a-contract-with-a-psychopath/>
17. "Psychopaths' Decisions Studied" by James Monteleone. November 8, 2010, Albuquerque Journal. <http://www.abqjournal.com/news/metro/08222451metro11-08-10.htm>
18. "Examining How Lack of Impulse Control Afflicts Juvenile Offenders" by Karen Wentworth, August 19, 2011, UNM Today <http://news.unm.edu/2011/08/examining-how-lack-of-impulse-control-afflicts-juvenile-offenders/>
19. "Psychopaths: Born evil or with a diseased brain?" by Matthew Taylor, BBC News and Health Report. November 14, 2011 <http://www.bbc.co.uk/news/health-15386740>
20. "The biology of evil: Could psychopaths be victims of bad wiring?" by Douglass Quan, Postmedia News (National News Wire of Canada), December 3, 2011.
<http://www.canada.com/biology+evil+Could+psychopaths+victims+wiring/5804344/story.html>
21. "Are psychopaths "Brain Damaged"?" by Gary Stix. Scientific American. December, 6, 2011. <http://blogs.scientificamerican.com/observations/2011/12/06/are-psychopaths-like-hannibal-lecter-brain-damaged>
22. In Mock Case, Biological Evidence Reduces Sentences, by Greg Miller, Science. <http://www.sciencemag.org/content/337/6096/788.full?sid=a7e46eab-eac2-4a50-a0ac-ddc2e3503b36> ; August 17, 2012, volume 337, page 788.
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
24. "Brain scans predict which criminals are more likely to reoffend. Neuroimaging 'biomarker' linked to rearrest after incarceration." By Regina Nuzzo. March, 25, 2013

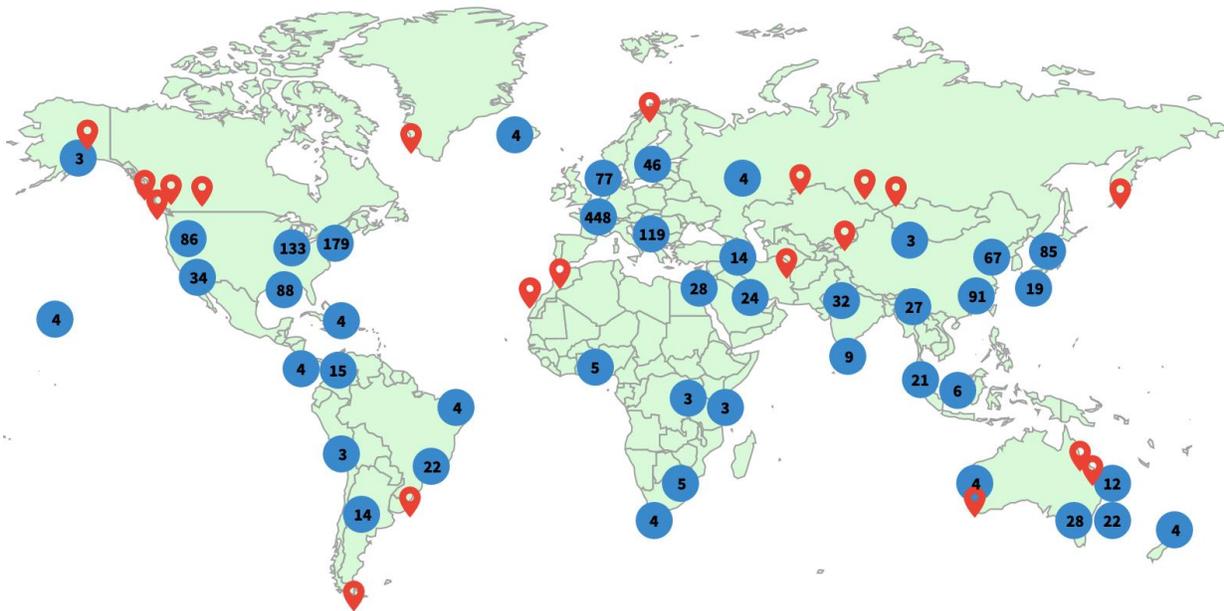
- <http://www.nature.com/news/brain-scans-predict-which-criminals-are-more-likely-to-reoffend-1.12672>,
25. “Brain scans predict which criminals are most likely to reoffend.” By Greg Miller, Wired Magazine. <http://www.wired.com/wiredscience/2013/03/brain-scans-predict-which-criminals-will-reoffend/>
 26. <http://drudgegae.iavian.net/r?hop=http%3A%2F%2Fwww.dailymail.co.uk%2Fsciencetech%2Farticle-2299423%2FBrain-scans-predict-criminal-likely-reoffend.html>
 27. <http://www.the-scientist.com/?articles.view/articleNo/34858/title/Brain-Activity-Predicts-Re-arrest/>
 28. <http://www.scp.org/programs/take-two/2013/03/27/31063/study-brain-scans-can-predict-which-criminals-will/>
 29. <http://veja.abril.com.br/noticia/ciencia/pesquisa-usa-imagens-cerebrais-para-prever-comportamento-criminoso>
 30. <http://www.alzforum.org/new/detail.asp?id=3484>
 31. New Thinking on Brains and Crime. Cover article by Leslie Linthicum, Albuquerque Journal. Sunday, June 9, 2013. <http://www.abqjournal.com/main/208521/opinion/new-thinking-on-brains-and-crime.html>
 32. “Brain scans predict who’s likely to be a repeat offender.” NPR Morning Edition with host David Greene. <http://www.npr.org/2013/04/05/176303914/brain-scans-can-predict-whos-likely-to-be-a-repeat-offender>
 33. “Brain scans of inmates turn up possible link to risks of re-offending.” By Michael Haederle, Los Angeles Times. <http://www.latimes.com/news/nationworld/nation/la-na-prisoner-brains-20130715,0,5130358.story>
 34. Jay Leno show monolog jokes about Kiehl lab research on neuroprediction <http://writingshares.com/nbc-tv-entertainment-video-jay-leno-monologue-for-july-19-2013/>
 35. Brazil media coverage of Dr. Kiehl’s laboratory, by Demétrio Rocha Pereira: <http://zerohora.clicrbs.com.br/rs/geral/planeta-ciencia/noticia/2013/08/sob-o-imperio-do-cerebro-4235395.html> & <http://zerohora.clicrbs.com.br/rs/geral/planeta-ciencia/noticia/2013/08/neurocientistas-negam-capacidade-de-prever-futuro-com-mapeamento-cerebral-conhecimento-e-probabilistico-4235389.html>
 36. Brain Safe Project (<http://brainsafeproject.com>). Press release. <http://news.unm.edu/news/mind-research-network-and-unm-introduce-brain-safe-project-to-understand-and-minimize-concussions-on-ncaa-athletes>

37. Brain Safe Project (www.brainsafeproject.com) press release picked up by over 300 news/media outlets.
38. <http://www.newscastic.com/news/10-things-you-probably-dont-know-about-abq-1217881/>
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
43. <http://www.unipi.it/index.php/unipieventi/event/2040-the-science-of-psychopaths>
44. <http://www.chicagotribune.com/news/local/breaking/ct-morgan-freeman-brian-dugan-met-20151223-story.html>
45. <http://www.popsoci.com/can-your-genes-make-you-kill>
46. <https://www.sciencedaily.com/releases/2016/07/160713114945.htm>
47. <http://www.ilfattoquotidiano.it/2016/08/05/psicopatici-e-serial-killer-ecco-cosa-succede-nel-loro-cervello-un-archivio-per-studiare-e-prevenire-i-loro-crimini/2932651>
48. Radio New Zealand Interview:
http://www.radionz.co.nz/audio/player?audio_id=201813430
49. National Geographic feature article on Kiehl lab.
<http://www.nationalgeographic.com/magazine/2017/08/science-good-evil-charlottesville/>
50. Dana Foundation website:
http://dana.org/News/Seeking_Clues_to_Criminality_in_the_Brain/
51. Megyn Kelly Show on NBC. Dr. Kiehl featured with parents of kids with conduct disorder. <https://www.today.com/parents/what-conduct-disorder-kids-t125279>
52. *All Sides with Ann Fisher*, National Public Radio (NPR) feature on psychopathy. March 28, 2018.
53. A&E Real Crime Story. <https://www.aetv.com/real-crime/worst-serial-killer-experts-ted-bundy-green-river-killed-gary-ridgway-harold-shipman>
54. <https://www.themarshallproject.org/2018/08/14/a-dangerous-brain>
55. <https://thecrimereport.org/2018/08/15/can-neuroscience-play-a-role-in-criminal-justice-reform/>

56. <https://www.psypost.org/2018/08/new-neuroimaging-research-helps-explain-why-psychopaths-lie-effortlessly-51909>
57. <https://www.news.com.au/lifestyle/parenting/kids/how-to-tell-if-your-child-is-a-future-psychopath/news-story/7ce419a7ef282182217104a6e9a85920>
58. <https://www.today.com/parents/what-conduct-disorder-kids-t125279>
59. <https://www.psypost.org/2018/07/neuroimaging-study-suggests-psychopathy-linked-fundamentally-impaired-mechanisms-attention-51663>
60. https://www.nzherald.co.nz/lifestyle/news/article.cfm?c_id=6&objectid=12009431
61. <https://www.psychologytoday.com/us/articles/201906/what-makes-female-psychopaths-different>
62. <https://www.ow9.rassegnestampa.it/SistemaUniversitarioPisanoRassegnaStampa/PDF/2019/2019-07-22/2019072242754586.pdf>
63. <https://www.knowablemagazine.org/article/mind/2019/neuroscience-criminal-justice>
64. <https://www.scientificamerican.com/article/is-neurolaw-coming-soon-to-a-courtroom-near-you/>
65. <https://www.searchlightnm.org/life-behind-bars>
66. <https://www.thefix.com/brain-criminal-and-courts>
67. <https://www.psypost.org/2021/08/the-psychopathic-stare-an-algorithm-may-be-able-to-detect-signs-of-psychopathy-based-on-an-inmates-head-movements-616610>
68. <https://www.psychologytoday.com/us/blog/surviving-the-female-psychopath/202404/the-challenge-of-self-diagnosis-among-psychopaths>
69. <https://www.psypost.org/youth-with-traumatic-brain-injuries-show-higher-levels-of-psychopathic-traits-new-study-finds/>
70. <https://www.youtube.com/watch?v=f8Nbgp3yYbg>

PEER-REVIEWED PUBLICATIONS

Google Scholar Results (as of 1/21/2025): >280 publications	Web of Science ID: AAK-3290-2020 (as of 1/21/2025): >283 publications		
	All	Since 2021	All
Citations	39,060	11,142	20,491
h-index	99	53	76
i10-index	247	224	



Citation map – courtesy of Web of Science

- **Student or trainee authors are listed in bold font.**

1. Levenson, M.R., Kiehl, K.A., & Fitzpatrick, C. (1995). Assessing psychopathic attributes in a noninstitutionalized population. *Journal of Personality and Social Psychology*, 68, 151-158. PMID: 7861311
2. Kiehl, K. A., Smith, A. M., Forster, B.B., & Hare, R.D. (1995). Protocol for a functional MRI study of semantic and affective processing in psychopaths. *Issues in Criminological & Legal Psychology*, 24, 84.
3. Forster, B.B., MacKay, A., Whittall, K. P., Kiehl, K.A., Smith, A.M., Liddle, P.F. & Hare, R.D. (1998). Functional MRI: The basics of the BOLD (blood oxygen level dependent) technique. *Canadian Journal of Radiology*, 49, 320-329. PMID: 9803232

4. Kiehl, K.A., Hare, R.D., McDonald, J. J., & Brink, J. (1999). Semantic and affective processing in psychopaths: An event-related potential (ERP) study. *Psychophysiology*, *36*, 765-774. PMID: 10554590
5. Kiehl, K.A., Hare, R.D., Liddle, P.F. & McDonald, J.J. (1999). Reduced P300 responses in criminal psychopaths during a visual oddball task. *Biological Psychiatry*, *45*, 1498-1507. PMID: 10356633
6. Kiehl, K.A., Liddle, P.F., Smith, A.M., Mendrek, A. Forster, B.B., & Hare, R.D. (1999). Neural pathways involved in processing concrete and abstract words. *Human Brain Mapping*, *7*, 225-233. PMID: 10408766
7. Szymanski, M.D., Bain, D., Kiehl, K.A., Henry, K., Pennington, S., & Wong, S. (1999). Killer whale (*Orcinus orcas*) hearing: Auditory brainstem response (ABR) and behavioral audiograms. *Journal of the Acoustic Society of America*, *106*, 1134-1141. PMID: 10462816
8. McDonald, J.J., Ward, L.M., & Kiehl, K.A. (1999). An event-related brain potential analysis of inhibition of return. *Perception and Psychophysics*, *61*, 1411-1423.
9. Kiehl, K.A., Liddle, P.F., & Hopfinger, J.B. (2000). Error processing and the rostral anterior cingulate: An event-related fMRI study. *Psychophysiology*, *37*, 216-223. PMID: 10731771
10. Kiehl, K.A. **Smith, A.M.**, Liddle, P.F., & Hare, R.D. (2000). An event-related potential investigation of response inhibition in schizophrenia and psychopathy. *Biological Psychiatry*, *48*, 210-221. PMID: 10924664
11. Liddle, P.F., Kiehl, K.A., & **Smith, A.M.** (2001). An event-related fMRI study of response inhibition. *Human Brain Mapping*, *12*, 100-109.
12. Kiehl, K.A., **Laurens, K.R., Duty, T.L.**, Forster, B.B., & Liddle, P.F. (2001). Neural sources involved in auditory target detection and novelty processing: An event-related fMRI study. *Psychophysiology*, *38*, 133-142. PMID: 11321614
13. Kiehl, K.A. & Liddle, P.F. (2001). An event-related functional magnetic resonance imaging study of an auditory oddball task in schizophrenia. *Schizophrenia Research*, *48*, 159-171. PMID: 11295369
14. Kiehl, K.A., **Smith, A.M.**, Hare, R.D., Forster, B.B., & Liddle, P.F. (2001). Limbic abnormalities in affective processing in criminal psychopaths as revealed by functional magnetic resonance imaging. *Biological Psychiatry*, *50*, 677-684. PMID: 11704074
15. Kiehl, K.A., **Laurens, K.R., Duty, T.L.**, Forster, B.B., & Liddle, P.F. (2001). An event-related fMRI study of visual and auditory oddball tasks. *Journal of Psychophysiology*, *21*, 221-240.
16. **Desjardins, A.**, Kiehl, K.A., & Liddle, P.F. (2001). Removal of confounding effects of global signal in functional MRI analyses. *NeuroImage*, *13*, 751-758. PMID: 11305902

17. **Vouloumanos, A.**, Kiehl, K.A., Werker, J. F., & Liddle, P.F. (2001). Detection of sounds in the auditory stream: fMRI evidence for differential activation to speech vs. non-speech. *Journal of Cognitive Neuroscience*, 13, 994-1005. PMID: 11595101
18. **Bates, A.T.**, Kiehl, K.A., **Laurens, K.R.**, & Liddle, P.F. (2002). Error-related negativity and correct response negativity in schizophrenia. *Clinical Neurophysiology*, 113, 1454-63. PMID: 12169328
19. Ngan, E.T.C., **Bates, A.T.**, Power, Y., **Laurens, K.R.**, Kiehl, K.A., & Liddle, P.F. (2002). Decreased BOLD activation in right heteromodal association cortex in patients with schizophrenia during error detection. *Schizophrenia Research (Supplement)*, 52, 212.
20. Ngan, E.T.C., Stip, E., **Whitman, J.**, Kiehl, K.A., & Liddle, P.F. (2002). No changes in P300 amplitude or latency following acute administration to the alpha-1 agonist modafinil. *Schizophrenia Research (Supplement)*, 52, 212.
21. **Bates, A.T.**, Liddle, P.F., Kiehl, K.A., & Ngan, E.T.C. (2002). Increased amplitude of caudal error related negativity and positivity potentials during the performance of an error detection task in acutely ill patients following 6 weeks' treatment with neuroleptics. *Schizophrenia Research (Supplement)*, 52, 219.
22. Kiehl, K.A., **Laurens, K.R.** & Liddle, P.F. (2002). Reading anomalous sentences: An event-related fMRI study of semantic processing. *Neuroimage*, 17, 842-850. PMID: 12377158
23. Kiehl, K.A. & Liddle, P.F. (2003). Reproducibility of the hemodynamic response to auditory oddball stimuli: A six-week test-retest study. *Human Brain Mapping*, 18, 42-52. PMID: 12454911
24. **Laurens, K.R.**, Ngan, E.T.C., **Bates, A.T.**, Kiehl, K.A., & Liddle, P.F. (2003). Rostral anterior cingulate cortex dysfunction during error processing in schizophrenia. *Brain*, 126, 610-622. PMID: 12566282
25. Bolla, K.I., Eldreth, D.A., London, E.D., Kiehl, K.A., Mouratidis, M., Contoreggi, C., Kurian, V., Cadet, J-L., Kimes, A.S., Funderburk, F.R., & Ernst, M. (2003). Orbitofrontal cortex dysfunction in abstinent cocaine abusers performing a decision-making task. *Neuroimage*, 19, 1085-94. PMID: 12880834 PMCID: PMC2767245
26. Kiehl, K.A., Smith, A.M., Mendrek, A., Forster, B.B., Hare, R.D., & Liddle, P.F. (2004). Temporal lobe abnormalities in semantic processing by criminal psychopaths as revealed by functional magnetic resonance imaging. *Psychiatry Research: Neuroimaging*, 130, 27-42. PMID: 15209063 PMID: 14972366 (republished)
27. Calhoun, V.D., Kiehl, K. A., Liddle, P. F. & Pearlson, G. D. (2004). Aberrant localization of synchronous hemodynamic activity in auditory cortex reliably characterizes schizophrenia. *Biological Psychiatry*, 55, 842-849. PMID: 15050866 PMCID: PMC2771440

28. Calhoun, V. D., **Stevens, M. C.**, Pearlson, G. D., & **Kiehl, K.A.** (2004). fMRI analysis with the General Linear Model: Removal of latency-bias by incorporation of hemodynamic derivative terms. *NeuroImage*, *22*, 252-257. PMID: 15110015
29. Mendrek, A., Laurens, K.R., Kiehl, K.A., Ngan, E.T.C., Stip, E., and Liddle, P.F. (2004). Changes in distributed neural circuitry function patients with first episode schizophrenia during test-retest of a working memory task. *British Journal of Psychiatry*, *185*, 205-214. PMID: 15339824
30. Bolla, K.I., Ernst, M., Kiehl, K.A., Mouratidis, M., Eldreth, D.A., Contreggi, C., Matochik, J., Kurian, M.S., Cadet, J.L., Kimes, A.S., Funderburk, F. & London, E.D. (2004). Prefrontal cortical dysfunction in abstinent cocaine abusers. *Journal of Neuropsychiatry and Clinical Neuroscience*, *16*, 456-464. PMID: 15616172 PMCID: PMC2771441
31. **Bates, A.T.**, Liddle, P.F., Kiehl, K.A., & Ngan, E.T.C. (2004). State dependent changes in error monitoring in schizophrenia. *Journal of Psychiatry Research*, *38*, 347-56. PMID: 15003441
32. Laurens, K. R., Kiehl, K. A., & Liddle, P. F. (2005). A supramodal limbic-paralimbic-neocortical network supports goal-directed stimulus processing. *Human Brain Mapping*, *24*, 35-49. PMID: 15593271
33. **Maltby, N.**, Tolin, D.F., **Worhunsky, P.**, **O'Keefe, T. M.**, & Kiehl, K. A. (2005). Dysfunctional action monitoring hyper-activates frontal-striatal circuits in obsessive-compulsive disorder: An event-related fMRI study. *NeuroImage*, *24*, 495-503. PMID: 15627591
34. Mendrek, A., Kiehl, K.A., Smith, A. M., Irwin, D., Forster, B.B., & Liddle, P.F. (2005). Dysfunction of a distributed neural circuitry in schizophrenic patients during working memory performance. *Psychological Medicine*, *35*, 187-196. PMID: 15841676
35. Calhoun, V.D., Adali, T., **Stevens, M. C.**, Kiehl, K.A. & Pekar, J.J. (2005). Semi-blind ICA of fMRI: A method for utilizing hypothesis-derived time courses in a spatial ICA analysis. *NeuroImage*, *25*, 527-538. PMID: 15784432
36. Kiehl, K.A., **Stevens, M.C.**, Laurens, K.R., Pearlson, G.P., Calhoun, V.D., & Liddle, P F. (2005). An adaptive reflexive processing model of neurocognitive function: Supporting evidence from a large scale (n=100) fMRI study of an auditory oddball task. *NeuroImage*, *25*, 899-915. PMID: 15808990
37. Kiehl, K. A., **Stevens, M.C.**, **Celone, K.**, Kurtz, M. & Krystal, J.H. (2005). Abnormal hemodynamics in schizophrenia during an auditory oddball task. *Biological Psychiatry*, *57*, 1029-1040. PMID: 15860344 PMCID: PMC2771438
38. Laurens, K.R., Kiehl, K.A., Ngan, E.T.C, & Liddle, P.F. (2005). Attention orienting dysfunction during salient novel stimulus processing in schizophrenia. *Schizophrenia Research*, *75*, 159-171. PMID: 15885507

39. **Stevens, M.C.**, Calhoun, V.D., & Kiehl, K.A. (2005). Hemispheric differences in hemodynamics elicited by auditory oddball stimuli. *NeuroImage*, 26, 282-292. PMID: 15955488 PMCID: PMC2759643
40. **Stevens, M.C.**, Calhoun, V.D., & Kiehl, K.A. (2005). fMRI in an oddball task: Effects of target-to-target interval. *Psychophysiology*, 42, 636-642. PMID: 16364059
41. Kiehl, K.A., **Bates, A. T.**, Laurens, K. R. & Liddle, P F. (2006). Psychopathy and semantic processing: An examination of the N400. *Personality and Individual Differences*, 40, 293-304.
42. Calhoun, V.D., Adali, T., **Giuliani, N.R.**, Pekar, J.J., Kiehl, K.A., & Pearlson, G.D. (2006). Method for multimodal analysis of independent source differences in schizophrenia: Combining gray matter structural and auditory oddball functional data. *Human Brain Mapping*, 27, 47-62. PMID: 16108017
43. Calhoun, V.D., Adali, T., Pearlson, G.D., & Kiehl, K.A. (2006). Neuronal chronometry of target detection: Fusion of hemodynamic and event-related potential data. *Neuroimage*, 30, 544-553. PMID: 16246587
44. Kiehl, K.A. (2006). A cognitive neuroscience perspective on psychopathy: Evidence for paralimbic system dysfunction. *Psychiatry Research*, 142, 107-128. PMID: 16712954 PMCID: PMC2765815
45. **Stevens, M.C.**, Laurens, K. R., Liddle, P.F. & Kiehl, K.A. (2006). The hemodynamics of oddball processing during single-tone and two-tone target detection tasks. *International Journal of Psychophysiology*, 60, 292-303. PMID: 16213043 PMCID: PMC2766532
46. Kiehl, K.A., Bates, A.T., Laurens, K. R. Hare, R.D., & Liddle, P.F. (2006). Brain potentials implicate temporal lobe abnormalities in criminal psychopaths. *Journal of Abnormal Psychology*, 115, 443-453. PMID: 16866585
47. Calhoun, V.D., Adali, T, Kiehl, K.A., Astur, R., Pekar, J.J. & Pearlson, G.D. (2006). A method for multi-task data fusion applied to schizophrenia. *Human Brain Mapping*, 27, 47-62.
48. **Most, S.B.**, Chun, M.M., **Johnson, M.R.** & Kiehl, K.A. (2006). Attentional modulation of the amygdala varies with personality. *NeuroImage*, 31, 934-44. PMID: 16492400
49. Liddle, P.F., Laurens, K.R., & Kiehl, K.A., & Ngan, E.T.C. (2006). Abnormal function of the brain system supporting motivated attention in medicated patients with schizophrenia: An fMRI study. *Psychological Medicine*, 36, 1097-1108. PMID: 16650349
50. **Johnson, M.R.**, Morris, N.A., Astur, R.S., Calhoun, V.D., Mathalon, D.H., Kiehl, K.A., & Pearlson, G.D. (2006). An fMRI study of working memory abnormalities in schizophrenia. *Biological Psychiatry*, 60, 11-21.

51. **Reis, D. L., Brackett, M.A., Shamosh, N.A.,** Kiehl, K.A., Salovey, P., & Gray, J.R. (2007). Emotional Intelligence predicts individual differences in social exchange reasoning. *Neuroimage*, 35, 1385-1391. PMID: 17331743
52. **Garrity, A.G.,** Pearlson, G.D., **McKiernan, K.,** Lloyd, D., Kiehl, K.A., & Calhoun, V.D. (2007). Aberrant 'default mode' functional connectivity in schizophrenia. *American Journal of Psychiatry*, 164, 450-457. PMID: 17329470
53. **Stevens, M.C.,** Kiehl, K.A., Pearlson, G.D., & Calhoun, V.D. (2007) Functional neural circuits for mental timekeeping. *Human Brain Mapping*, 28, 394-408. PMID: 16944489
54. **Hejnar, M.P.,** Kiehl, K.A., & Calhoun, V.D. (2007). Interparticipant correlations: A model free fMRI analysis technique. *Human Brain Mapping*, 28, 860-867. PMID: 17133393
55. **Stevens, M.C.,** Kiehl, K.A., Pearlson, G.D., & Calhoun, V.D. (2007). Functional neural networks underlying response inhibition in adolescents and adults. *Behavioral Brain Research*, 181, 12-22. PMID: 17467816 PMCID: PMC2266817
56. **Stevens, M.C.,** Pearlson, G.D., & Kiehl, K.A. (2007). An fMRI auditory oddball study of combined-subtype attention deficit hyperactivity disorder. *American Journal of Psychiatry*, 164, 1737-1749. PMID: 17974940
57. **Kim, D.,** Pearlson, G.D., Kiehl, K.A., Bedrick, E., Demicri, O., & Calhoun, V.D. (2008). A method for multi-group inter-participant correlation: Abnormal synchrony in patients with schizophrenia during auditory target detection. *Neuroimage*, 39, 1129-41. PMID: 17996465 PMCID: PMC2751604
58. Dien, J., Franklin, M.S., Michelson, C.A., Lemen, L.C., Adams, C.L., & Kiehl, K.A. (2008). fMRI characterization of the language formulation area. *Brain Research*, 1229, 179-192. PMID: 18639536
59. **Shane, M.S., Stevens, M.C., Harenski, C.L.,** & Kiehl, K.A. (2008). Neural correlates of the processing of another's mistakes: A possible underpinning for social and observational learning. *NeuroImage*, 42, 450-459. PMID: 18534868 PMCID: PMC2593145
60. **Demirci, O.,** Clark, V.P., Magnotta, V.A., Andreasen, N.C., Lauriello, J., Kiehl, K.A., Pearlson, G.D., & Calhoun, V.D. (2008). A review of challenges in the use of fMRI for disease classification/characterization and a projection pursuit application from multi-site fMRI schizophrenia study. *Brain Imaging and Behavior*, 2, 207-226. PMID: 19562043 PMCID: PMC2701746
61. **Schaich Borg, J.,** Lieberman, D., & Kiehl, K.A. (2008). Infection, incest, and iniquity: Neural correlates of disgust and morality. *Journal of Cognitive Neuroscience*, 20, 1529-1546. PMID: 18345982
62. Calhoun, V.D., Kiehl, K.A., & Pearlson, G.D. (2008). Modulation of temporally coherent brain networks estimated using ICA at rest and during cognitive tasks. *Human Brain Mapping*, 29, 828-838. PMID: 18438867 PMCID: PMC2649823

63. Calhoun, V.D., Maciejewski, P.K., Pearlson, G.D., & Kiehl, K.A. (2008). Temporal lobe and 'default' hemodynamic brain modes discriminate between schizophrenia and bipolar disorder. *Human Brain Mapping, 29*, 1265-1275. PMID: 17894392 PMCID: PMC2665178
64. **Kim, D.**, Burge, J., Lane, T., Pearlson, G.D., **Kiehl, K.A.**, & Calhoun, V.D. (2008). Hybrid ICA-Bayesian network approach reveals distinct effective connectivity differences in schizophrenia. *NeuroImage, 42*, 1560-1568. PMID: 18602482 PMCID: PMC2566775
65. **Meda, S.A.**, Bhattarai, M., Morris, N.A., Astur, R.S., Calhoun, V.D., Mathalon, D.H., Kiehl, K.A., Pearlson, G.D. (2008) An fMRI study of working memory in first-degree unaffected relatives of schizophrenia patients. *Schizophrenia Research, 104*, 85-95. PMID: 18678469 PMCID: PMC2577216
66. **Harenski, C.L., Antonenko, O., Shane, M.S.**, Kiehl, K.A. (2008). Gender differences in neural mechanisms underlying moral sensitivity. *Social Cognitive and Affective Neuroscience, 3*, 313-321. PMID: 19015084 PMCID: PMC2607058
67. Tolin, D.F., Kiehl, K.A., **Worhunsky, P., Book, G.A., & Maltby, N.** (2009). An exploratory study of the neural mechanisms of decision making in compulsive hoarding. *Psychological Medicine, 39*, 325-336. PMID: 18485263
68. **Liu, J.**, Kiehl, K.A., Pearlson, G.D., Perrone-Bizzozero, N.I., Eichele, T., & Calhoun V.D. (2009). Genetic determinants of target and novelty-related event-related potentials in the auditory oddball response. *NeuroImage, 46*, 809-816. PMID: 19285141 PMCID: PMC2676714
69. **Shane, M.S., Stevens, M.C., Harenski, C.L., & Kiehl, K.A.** (2009). Double dissociation between perspective-taking and empathic-concern as predictors of hemodynamic response to another's mistakes. *Social, Cognitive and Affective Neuroscience, 4*, 111-118. PMID: 19244454 PMCID: PMC2686223
70. **Bates, A.T.**, Kiehl, K.A., Laurens, K.R., & Liddle, P.F. (2009). Low-frequency EEG oscillations associated with information processing in schizophrenia. *Schizophrenia Research, 115*, 222-230. PMID: 19850450
71. **Harenski, C.L., Antonenko, O., Shane, M. S., & Kiehl, K.A.** (2010). A functional imaging investigation of moral deliberation and moral intuition. *Neuroimage, 49*, 2707-2716. PMID: 19878727
72. **Arja, S. K., Feng, Z., Chen, Z.,** Caprihan, A., Kiehl, K. A., Adali, T., & Calhoun, V.D. (2010). Changes in fMRI magnitude data and phase data observed in block-design and event-related tasks. *Neuroimage, 49*, 3149-3160. PMID: 19900561 PMCID: PMC2848493
73. **Aikins, D. E., Anticevic, A.,** Kiehl, K.A., & Krystal, J.H. (2010). Sex-related differences in amygdala activity influences immediate memory. *NeuroReport, 21*(4), 273-276. PMID: 20093991

74. **Harenski, C.L.**, & Kiehl, K.A. (2010). Reactive aggression in psychopathy and the role of frustration: Susceptibility, experience, and control. *British Journal of Psychology*, 101, 401-406. PMID: 19807945
75. Brody, R. & Kiehl, K.A. (2010). From white-collar crime to red-collar crime. *Journal of Financial Crime*, 17, 351-364.
76. **Sakoglu, U.**, Pearlson, G. D., Kiehl, K.A., Wang, Y. M., Michael, A.M., & Calhoun, V.D. (2010). A method for evaluating dynamic functional network connectivity and task-modulation: Application to schizophrenia. *MAGMA*, 23, 351-66. PMID: 20162320
PMCID: PMC2891285
77. **Joshi, S.**, Karthikeyan, S., Manjunath, B.S., Grafton, S., & Kiehl, K.A. (2010). Anatomical parts-based regression using non-negative matrix factorization. *IEEE Conference on Computer Vision and Pattern Recognition*, 13-18.
78. Calhoun, V.D., Wu, L., Kiehl, K.A., Eichele, T., & Pearlson, G.D. (2010). Aberrant processing of deviant stimuli in schizophrenia revealed by fusion of fMRI and EEG data. *Acta Neuropsychiatrica*, 22, 127-138. PMID: 21331320 PMCID: PMC3038634
79. **Ermer, E.** & Kiehl, K.A. (2010). Psychopaths are impaired in social exchange and precautionary reasoning. *Psychological Science*, 21, 1399-1405. PMID: 20855897
PMCID: PMC3042879
80. **Harenski, C.L.**, Harenski, K.A., **Shane, M.S.**, & Kiehl, K.A. (2010). Aberrant neural processing of moral violations in criminal psychopaths. *Journal of Abnormal Psychology*, 119, 863-874. PMID: 21090881
81. **Nadelhoffer, T.**, Bibas, S., Grafton, S., Kiehl, K.A., Mansfield, A., Sinnott-Armstrong, W., & Gazzaniga, M. (2010). Neuroprediction, violence and the law: Setting the stage. *Neuroethics*, 1-33.
82. **Cope, L.M.**, **Schaich Borg, J.**, **Harenski, C.L.**, Sinnott-Armstrong, W., Lieberman, D. Nyalakanti, P.K., Calhoun, V.D., & Kiehl, K.A. (2010). Hemispheric asymmetries during processing of immoral stimuli. *Frontiers in Evolutionary Neuroscience*, 2, 1-14. PMID: 21344009 PMCID: PMC3034229
83. **Swanson, N.**, Eichele, T., Pearlson, G.D., Kiehl, K.A. & Calhoun, V.D. (2011). Lateral differences in the default mode network in healthy controls and schizophrenia patients. *Human Brain Mapping*, 32, 654-64. PMID: 21391254 PMCID: PMC3056084
84. **Harenski, C.L.** & Kiehl, K.A. (2011). Emotion and morality in psychopathology. *Emotion Review*, 3, 299-301.
85. Kiehl, K.A., & Hoffman, M.B. (2011). The criminal psychopath: History, neuroscience and economics. *Jurimetrics: The Journal of Law, Science, and Technology*, Summer 2011, 355-397.

86. **Claus, E.D.**, Kiehl, K.A., & Hutchison, K.E. (2011). Neural and behavioral mechanisms of impulsive choice in alcohol use disorder. *Alcoholism: Clinical and Experimental Research*, 35: 1209-1219.
87. **Allen, E.**, Erhardt, E., Damaraju, E., Gruner, W., Segall, J., Silva, R., Havlicek, M., Rachakonda, S., Fries, J., Kalyanam, R., Michael, A., Turner, J., Eichele, T., Adelsheim, S., Bryan, A., Bustillo, J., Clark, V., Feldstein, S., Filbey, F., Ford, C., Hutchison, K., Jung, R., Kiehl, K.A., Kodituwakku, P., Komesu, Y., Mayer, A., Pearlson, G.D., Phillips, J., Sadek, J., Stevens, M., Teuscher, U., Thoma, R.J., & Calhoun, V.D. (2011). A baseline for the multivariate comparison of resting state networks. *Frontiers in Systems Neuroscience*, 5 (2), 1-23. PMID: 21442040 PMCID: PMC3051178
88. **Schaich Borg, J.**, Sinnott-Armstrong, W., Calhoun, V.D. & Kiehl, K.A. (2011). Neural basis of moral verdict and moral deliberation. *Social Neuroscience*, 6 (4), 398-413. PMID: 21590588 PMCID: PMC3176943
89. **Aharoni, E., Antonenko, O.** & Kiehl, K.A. (2011). Disparities in the moral values of adult criminal offenders: The role of psychopathy. *Journal of Personality Disorders*, 45, 322–327.
90. **Shannon, B.J.**, Raichle, M.E., Snyder, A.Z., Fair, D.A., Mills, K.L., Zhang, D., Bache, K., Calhoun, V.D., Nigg, J.T., Nagel, B.J., Stevens, A.A. & Kiehl, K.A. (2011). Premotor functional connectivity predicts impulsivity in juvenile offenders. *Proceedings of the National Academy of Science (PNAS)*, 1-5 (early edition). PMID: 21709236 PMCID: PMC3131347
91. **Allen, E., Liu, J.**, Kiehl, K.A., Gelernter, J., Pearlson, G.D., Perrone-Bizzozzerod, N.I., & Calhoun, V.D. (2011). Components of cross-frequency modulation in healthy and disease. *Frontiers in System Neuroscience*, 5 (Article 59), 1-16. PMID: 21808609 PMCID: PMC3139214
92. **Yu, Q., Sui, J., Rachakonda, S., He, H., Gruner, W.**, Pearlson, G.D., Kiehl, K.A., & Calhoun, V.D. (2011). Altered topological properties of functional network connectivity in schizophrenia during resting state: A small-world brain network study. *PLoS ONE*, 6 (9), 1-12. PMID: 21980454 PMCID: PMC3182226
93. Shoemaker, J.M., Holdsworth, M.T., Aine, C., Calhoun, V.D., de La Garza, R., Feldstein Ewing, S.W., Hayek, R., Mayer, A.R., Kiehl, K.A., Petree, L.E., Sanjuan, P., Scott, A., Stephen, J., & Phillips, J.P. (2011). A practical approach to incidental findings in neuroimaging research. *Neurology*, 77, 2123-2127. PMID: 22131543 PMCID: PMC3235350
94. **Motzkin, J.**, Newman, J.P., Kiehl, K.A., & Koenigs, M. (2011). Reduced prefrontal connectivity in psychopathy. *Journal of Neuroscience*, 31(48), 17348-17357. PMID: 22131397 PMCID: PMC3311922
95. **Khullar, S., Michael, A.M., Cahill, N.D.**, Kiehl, K.A., Pearlson, G., Baum, S.A., & Calhoun, V.D. (2011). ICA-fNORM: Spatial normalization of fMRI data using intrinsic group-ICA. *Frontiers in Systems Neuroscience*, 5 (Article 93), 1-18. 1. PMID: 22110427 PMCID: PMC3218372

96. **Aharoni, E.**, Sinnott-Armstrong, W., & Kiehl, K.A. (2012). Can psychopathic offenders discern moral wrongs? A new look at the Moral/Conventional distinction. *Journal of Abnormal Psychology*, 121 (2), 484-497. PMID: 21842959 PMCID: PMC3397660
97. **Edwards, B.**, Calhoun, V.D., & Kiehl, K.A. (2012). Joint ICA of ERP and fMRI during error-monitoring. *Neuroimage*, 59, 1896–1903. PMID: 21930218 PMCID: PMC3230687
98. **Harenski, C.L.**, Harenski, K.A., **Shane, M.S.**, & Kiehl, K.A. (2012). Neural development of mentalizing in moral judgment from adolescence to adulthood. *Developmental Cognitive Neuroscience*, 2, 162–173. PMID: 22267967 PMCID: PMC3259704
99. **Harenski, C. L.**, Thornton, D. M., Harenski, K. A., Decety, J., & Kiehl, K. A. (2012). Increased fronto-temporal activation during pain observation in sexual sadism: Preliminary findings. *Archives of General Psychiatry*, 69, 283-292. PMID: 22393220
100. Calhoun, V.D., **Sui, J.**, Kiehl, K.A., Turner, J., **Allen, E.**, & Pearlson, G.D. (2012). Exploring the psychosis connectome: Default mode regions serve as hub to other intrinsic networks in schizophrenia and bipolar disorder. *Frontiers in Neuropsychiatric Imaging and Stimulation*, 1 (Article 75), 1-13. PMID: 22291663 PMCID: PMC3254121
101. **Ermer, E.**, **Cope, L.M.**, Nyalakanti, P.K., Calhoun, V.D., & Kiehl, K.A. (2012). Aberrant paralimbic gray matter in criminal psychopathy. *Journal of Abnormal Psychology*, 121 (3), 649-658. PMID: 22149911
102. **Anderson, N.E.** & Kiehl, K.A. (2012). The psychopath magnetized: Insights from brain imaging. *Trends in Cognitive Science (TICS)*, 16, 52-60. PMID: 22177031
103. **Ermer, E.** **Kahn, R.**, Salovey, P. & Kiehl, K.A. (2012). Emotional intelligence in incarcerated men with psychopathic traits. *Journal of Personality and Social Psychology*, 103 (1), 194-204. PMID: 22329657 PMCID: PMC3378803
104. **Yu, Q.**, **Plis, S.M.**, **Erhardt, E.B.**, **Allen, E.A.**, Kiehl, K.A., Pearlson, G.D., & Calhoun, V.D. (2012). Modular organization of functional network connectivity in healthy controls and patients with schizophrenia during the resting state. *Frontiers in Systems Neuroscience*, 5, (103), 1-16. PMID: 22275887 PMCID: PMC3257855
105. **Fink, B.C.**, **Tant, A.**, **Tremba, K.**, & Kiehl, K.A. (2012). Assessment of psychopathic traits in an incarcerated adolescent sample: A methodological comparison. *Journal of Abnormal Child Psychology*, 40 (6), 971-986. PMID: 22450599
106. **Ly, M.**, **Kirk, G.R.**, Newman, J.P., Kiehl, K.A., & Koenigs, M. (2012). Cortical thinning in psychopathy. *American Journal of Psychiatry*, 169 (7), 684-687. PMID: 22581200 PMCID: PMC3815681
107. **Baskin-Sommers, A.R.**, Curtin, J.J, Larson, C.L., Stout, D, Kiehl, K.A. & Newman, J.P. (2012). Characterizing the anomalous cognition-emotion interactions in externalizing. *Biological Psychology*, 91 (1), 48-58. PMID: 22579718 PMCID: PMC3407296

108. **Du, W., Li, H.,** Calhoun, V.D., Ma, S., Eichele, T., Kiehl, K.A., Pearlson, G.D., & Adali, T. (2012). High classification accuracy for schizophrenia with rest and task fMRI data. *Frontiers in Human Neuroscience*, 6, 145, 1-12. PMID: 22675292 PMCID: PMC3366580
109. **Sui, J., He, H.,** Pearlson, G.D., Adali, T., Kiehl, K.A., Yu, Q., & Calhoun, V.D. (2012). Three-Way (N-way) fusion of brain imaging data based on mCCA+jICA and its application to discriminating schizophrenia. *Neuroimage*, 66, 119-132. PMID: 23108278 PMCID: PMC3897558
110. **Cope, L.M., Shane, M.S., Segall, J.M.,** Nyalakanti, P.K., **Stevens, M.S.,** Pearlson, G.D., Calhoun, V.D., & Kiehl, K.A. (2012). Examining the effect of psychopathic traits on gray matter volume in a community substance abuse sample. *Psychiatry Research: Neuroimaging*, 204, 91-100. PMID: 23217577 PMCID: PMC3536442
111. **Segall, J., Allen, E.A.,** Jung, R.E., Erhardt, E., Arja, S., Kiehl, K.A., & Calhoun, V.D. (2012). Correspondence between structure and function in the human brain at rest. *Frontiers in Neuroinformatics*, 6, 1-17.
112. **Juarez, M.,** Kiehl, K.A., & Calhoun, V.D. (2012/3). Intrinsic limbic and paralimbic networks are associated with criminal psychopathy. *Human Brain Mapping*, 34, 1921-1930. PMID: 22431294. Epub 2012, March 19.
113. **Arbabshirani, M. R., Havlicek, M.,** Kiehl, K.A., Pearlson, G.D., & Calhoun, V.D. (2013) Functional network connectivity during rest and task conditions: A comparative study. *Human Brain Mapping*, 34, 2959-2971. PMID: 22736522 PMCID: PMC3524389
114. Decety, J., **Skelly, L.R.,** & Kiehl, K.A. (2013). Brain response to empathy-eliciting scenarios in incarcerated psychopaths. *Archives of General Psychiatry*, 70, 638-645. PMID: 23615636 PMCID: PMC3914759
115. **Ermer, E. Cope, L.M.,** Nyalakanti, P.K., Calhoun, V.D., & Kiehl, K.A. (2013). Aberrant paralimbic gray matter in incarcerated male adolescents with psychopathic traits. *Journal of the American Academy of Child and Adolescent Psychiatry*, 52, 94-103. PMID: 23265637 PMCID: PMC3549663
116. **Aharoni, E.** & Kiehl, K.A. (2013). Evading justice: Quantifying criminal success in incarcerated psychopathic offenders. *Criminal Justice and Behavior*, 40, 629-645.
117. **Yu, Q., Sui, J., Liu, J., Plis, S.M.,** Kiehl, K.A., Pearlson, G.D., & Calhoun, V.D. (2013). Disrupted correlation between low frequency power and connectivity strength of resting state brain networks in schizophrenia. *Schizophrenia Research*, 143, 165-171. PMID: 23182443 PMCID: PMC3540119
118. **Christodoulou, A.G.,** Kiehl, K.A., Feldstein Ewing, S.W., Bryan, A.D., & Calhoun, V.D. (2013). A quality control method for detecting and suppressing uncorrected residual motion in fMRI studies. *Magnetic Resonance Imaging*, 15, 707-717. PMID: 23290482 PMCID: PMC3648631

119. **Aharoni, E., Vincent, G., Harenski, C.,** Calhoun, V.D., Sinnott-Armstrong, W., Gazzaniga, M.S., & Kiehl, K.A. (2013). Neuroprediction of future re-arrest. *Proceedings of the National Academy of Science (PNAS)*, 110 (15), 6223-6228.
120. **Schaich Borg, J., Kahn, R.E.,** Sinnott-Armstrong, W., Kurzban, R., Robinson, P.H., & Kiehl, K.A. (2013). Subcomponents of psychopathy have opposing contributions to punishment judgments. *Journal of Personality and Social Psychology*, 105, 667-687. PMID: 23834639
121. Larson, C.L., **Baskin-Sommers, A.R.,** Stout, D.M., Balderston, N.L., Schultz, D.H., Curtin, J.J., Kiehl, K.A., & Newman, J.P. (2013). The interplay of attention and emotion: Top-down attention modulates amygdala activation in psychopathy. *Cognitive, Affective, & Behavioral Neuroscience*, 13, 757-770. PMID: 23712665 PMCID: PMC3806893
122. **Steele, V., Aharoni, E., Munro, G.E.,** Calhoun, V.D., Nyalakanti, P., Stevens, M.S., Pearlson, G.D., & Kiehl, K.A. (2013). A large scale (n=102) functional neuroimaging study of response inhibition and error-processing. *Behavioral Brain Research*, 268, 127-138. PMID: 23756137
123. Kiehl, K.A. & **Lushing, J.** (2014). Psychopathy. *Scholarpedia*. A peer-reviewed encyclopedia. www.scholarpedia.org/article/Psychopathy
124. **Arbabshirani, M.,** Kiehl, K.A., Pearlson, G.D., & Calhoun, V.D. (2013). Classification of schizophrenia patients based on resting-state functional network connectivity. *Frontiers in Brain Imaging Methods*, 7, 1-16. PMID: 23966903 PMCID: PMC3744823
125. Decety, J., **Chen, C., Harenski, C.L.,** & Kiehl, K.A. (2013). An fMRI study of affective perspective taking in individuals with psychopathy: Imagining another in pain does not evoke empathy. *Frontiers in Human Neuroscience*, 7, (489), 1-12. 489- PMID: 24093010 PMCID: PMC3782696
126. **Fryer, S.L., Woods, S.W.,** Kiehl, K.A., Calhoun, V.D., Pearlson, G.P., Roach, B.J., Ford, J.M., Srihari, V.H., McGlashan, T.H. & Mathalon, D.H. (2013). Deficient suppression of default mode regions during working memory in individuals with early psychosis and at clinical high-risk for psychosis. *Frontiers in Schizophrenia*, 4, 92- PMID: 24032017 PMCID: PMC3768116
127. Clark, V.P., **Beatty, G., Anderson, R.E.,** Kodituwakku, P., Phillips, J., Lane, T.D.R., Kiehl, K.A., Calhoun, V.D. (2014). Reduced fMRI activity predicts relapse in patients recovering from stimulant dependence. *Human Brain Mapping*, 35, 414-428. PMID: 23015512
128. Saks, M.J., Schweitzer, N.J., **Aharoni, E.,** & Kiehl, K.A. (2014). The impact of neuroimages in the sentencing phase of capital trials. *Journal of Empirical Legal Studies*, 11 (1), 105-131. PMID: 22213023
129. **Steele, V.R., Fink, B.C., Mauer, J.M., Arabshirani, M.R.,** Wilber, C.H., Jaffe, A.J., **Sidz, A.,** Pearlson, G.D., Stevens, M.C., Calhoun, V.D., Clark, V.P., & Kiehl, K.A. (2014). Brain potentials measured during a Go/No Go task predict completion of substance abuse treatment. *Biological Psychiatry*, 76, 75-83. PMID: 24238783

130. **Cope, L.M., Ermer, E.,** Nyalakanti, P.K., Calhoun, V.D., & Kiehl, K.A. (2014). Paralimbic gray matter reductions in incarcerated adolescent females with psychopathic traits. *Journal of Abnormal Child Psychology*, *42*, 659-668.
131. **Yu, Q., Sui, J.,** Kiehl, K.A., Pearlson, G.D., & Calhoun, V.D. (2013). State-related functional integration and functional segregation brain networks in schizophrenia. *Schizophrenia Research*, *150*, 450-458. PMID: 24094882 PMCID: PMC3839349
132. **Castro, E., Gomez-Verdejo, V.,** Martinez-Ramon, M., Kiehl, K.A. & Calhoun, V.D. (2014). A multiple kernel learning approach to perform classification of groups from complex-valued fMRI data analysis: Application to schizophrenia. *Neuroimage*, *87*, 1-17. PMID: 24225489
133. Decety, L., **Skelly, L. R., Yoder, K. J.,** & Kiehl, K.A. (2014). Neural processing of dynamic facial expressions of emotion in psychopaths. *Social Neuroscience*, *9*, 36-49. PMID: 24359488
134. **Motzkin, J.C., Baskin-Sommers, A.,** Newman, J.P., Kiehl, K.A., Koenigs, M. (2014). Neural correlates of substance abuse: Reduced functional connectivity between areas underlying reward and cognitive control. *Human Brain Mapping*, *35*, 4282-4292. PMID: 24510765
135. **Cope, L.M., Vincent, G.M., Jobelius, J.L.,** Nyalakanti, P.K., Calhoun, V.D. & Kiehl, K.A. (2014). Psychopathy modulates brain's response to drug cues in incarcerated offenders. *Frontiers in Human Neuroscience*, *8*, 1-16.
136. **Aharoni, E., Mallett, J., Vincent, G.M., Harenski, C.L.,** Calhoun, V.D., Sinnott-Armstrong, W., Gazzaniga, M.S. & Kiehl, K.A. (2014). Predictive accuracy in the neuroprediction of rearrest. *Social Neuroscience*, 1-5.
137. Gaudet, L.M., **Lushing, J.R.,** & Kiehl, K.A. (2014). Functional magnetic resonance imaging in court. *AJOB Neuroscience*, *5* (2), 43-45.
138. **Cope, L.M., Ermer, E.,** Gaudet, L.M., Eckhardt, A.L., Caldwell, M.F., Calhoun, V.D. & Kiehl, K.A. (2014). Abnormal brain structure in youth who commit homicide. *Neuroimage: Clinical*, *4*, 800-807.
139. **Freeman, S.M., Clewett, D.V., Bennett, C.M.,** Kiehl, K.A., Gazzaniga, M.S. & Miller, M.B. (2015). The posteromedial region of the default mode network shows attenuated task-induced deactivation in psychopathic prisoners. *Neuropsychology*, *29*(3), 493-500. <http://dx.doi.org/10.1037/neu0000118>
140. **Bridwell, D.A.,** Kiehl, K.A., Pearlson, G.D., Calhoun, V.D. (2014). Patients with schizophrenia demonstrate reduced cortical sensitivity to auditory oddball regularities. *Schizophrenia Research*, *158*, 189-194.
141. **Harenski, C.L., Edwards, B.G.,** Harenski, K.A. & Kiehl, K.A. (2014). Neuroimaging of moral and non-moral emotion in female psychopathy. *Frontiers in Human Neuroscience*, *8*, 741-751.

142. **Harenski, C.L.**, Harenski, K.A. & Kiehl, K.A. (2014). Neural processing of moral violations in incarcerated adolescents with psychopathic traits. *Developmental Cognitive Neuroscience*, *10*, 181-189.
143. **Aharoni, E.**, Sinnott-Armstrong, W.S., & Kiehl, K.A. (2014). What's wrong? Moral understanding in psychopathic offenders. *Journal of Research in Personality*, *53*, 175-181.
144. Walters, G.D., **Ermer, E.**, Knight, R.A. & Kiehl, K.A. (2015). Paralimbic biomarkers in taxometric analyses of psychopathy: Does changing the indicators change the conclusion? *Personality Disorders: Theory, Research, and Treatment*, *6(1)*: 41–52
145. **Bridwell, D.A., Steele, V.R., Maurer, J.M.**, Kiehl, K.A., & Calhoun, V.D. (2015). The relationship between somatic and cognitive-affective depression symptoms and error-related ERP's. *Journal of Affective Disorders*, *172*, 89-95.
146. Decety, J., **Chen, C., Harenski, C.H.**, & Kiehl, K.A. (2015). Socioemotional processing of morally-laden behavior and their consequences on others in forensic psychopaths. *Human Brain Mapping*, *36(6)*, 2015-2026. PMID: 25641358 DOI: 10.1002/hbm.22752
147. Reidy, D.E., Kearns, M.C., DeGue, S., Lilienfeld, S.O., Massetti, G., & Kiehl, K.A. (2015). Why psychopathy matters: Implications for public health and violence prevention. *Aggression and Violent Behavior*, *24*, 214-225.
148. **Stratton, J.**, Kiehl, K.A. & Hanlon, R.E. (2015). Neurobiology of psychopathy. *Psychiatric Annals*, *45(4)*, 186-200.
149. **Philippi, C.L., Pujara, M.S., Motzkin, J.C.**, Newman, J.P., Kiehl, K.A., Koenigs, M. (2015). Altered resting-state functional connectivity within and between cortical networks in psychopathy. *The Journal of Neuroscience*, *35(15)*:6068-6078.
150. **Anderson, N., Steele, V., Maurer, J.**, Bernat, E., & Kiehl, K.A. (2015). Psychopathy, attention, and oddball target detection: New insights from PCL-R Facet Scores. *Psychophysiology*, *52(9)*, 1194-1204. PMID: 25912522 DO I: 10.1111/psyp.12441
151. **Maurer, J.M., Steele, V.R., Edwards, B.G.**, Bernat, E.M., Calhoun, V.D., & Kiehl, K.A. (2015). Dysfunctional error-related processing in female psychopathy. *Social Cognitive and Affective Neuroscience*, *1059–1068 (SCAN)*. PMID: 26060326
152. **Yoder, K.J., Harenski, C.L.**, & Kiehl, K.A., & Decety, J. (2015). Neural networks underlying implicit and explicit moral evaluations in psychopathy. *Translational Psychiatry*, *5*, e625, 1-8. PMID: 26305476 PMCID: PMC4564570 DOI: 10.1038/tp.2015.117
153. **Steele, V.R., Claus, E.D., Aharoni, E., Vincent, G.M.**, Calhoun, V.D. & Kiehl, K.A. (2015). Multimodal imaging measures predict re-arrest. *Frontiers in Human Neuroscience*, *9*, 425-440. DOI: 10.3389/fnhum.2015.00425

154. **Wolf, R.C., Pujara, M.S.,** Motzkin, J.C., Newman, J.P., Kiehl, K.A., Decety, J., Kosson, D.S., & Koenigs, M. (2015). Interpersonal traits of psychopathy linked to reduced integrity of the uncinus fasciculus. *Human Brain Mapping, 36*(10), 4202-4209. PMID: 26219745 PMCID: PMC4583354 DOI: 10.1002/hbm.22911
155. Walters, G.D. & Kiehl, K.A. (2015). Limbic correlates of fearlessness and disinhibition in incarcerated youth: Exploring the brain-behavior relationship with the Hare Psychopathy Checklist: Youth Version. *Psychiatry Research, 230*, 205-210. PMID: 26363777 PMCID: PMC4655149 DOI: 10.1016/j.psychres.2015.08.041
156. **Caldwell, B. M., Harenski, C.L.,** Harenski, K.A., **Fede, S.J., Steele, V.,** Koenigs, M.R., & Kiehl, K.A. (2015). Abnormal frontostriatal activity in cocaine users during implicit moral processing. *Frontiers in Human Neuroscience, 9*, 565, 1-17. PMID: 26528169 PMCID: PMC4608360 DOI: 10.3389/fnhum.2015.00565
157. **Steele, V.R.,** Maurer, J.M., Bernat, E.M., Calhoun, V.D., & Kiehl, K.A. (2016). Error-related processing in adult males with elevated psychopathic traits. *Personality Disorders: Theory, Research, and Treatment, 7*(1), 80-90. 1. PMID: 26479259 PMCID: PMC4710563 DOI: 10.1037/per0000143
158. **Kahn, R., Ermer, E.,** Salovey, P., & Kiehl, K.A. (2016). Emotional intelligence and callous-unemotional traits in incarcerated youth. *Child Psychiatry and Human Development, 47*(6), 903-917. PMID: 26779640 PMCID: PMC4947452 DOI: 10.1007/s10578-015-0621-4
159. **Maurer, M., Steele, V.R., Cope, L., Vincent, G.,** Stephen, J., Calhoun, V.D. & Kiehl, K.A. (2016). Dysfunctional error-related processing in incarcerated youth with elevated psychopathic traits. *Developmental Cognitive Neuroscience, 19*, 70-77. PMID: 26930170 PMCID: PMC4961041 DOI: 10.1016/j.dcn.2016.02.006
160. **Steele, V.R., Anderson, N.E., Claus, E.D.,** Bernat, E.M., Rao, V., Assaf, M., Pearlson, G.D., Calhoun, V.D. & Kiehl, K.A. (2016). Neuroimaging measures of error-processing: Extracting reliable signals from event-related potentials and functional magnetic resonance imaging. *Neuroimage, 132*, 247-260. PMID: 26908319 PMCID: PMC4860744 DOI: 10.1016/j.neuroimage.2016.02.046
161. **Panta, S.R., Wang, R., Fries, J.,** Kalyanam, R., Speer, N., Banich, M., Kiehl, K.A., King, M., Milham, M., Wager, T., Turner, J.A., Plis, S.M., & Calhoun, V.D. (2016). A tool for interactive data visualization: Application to brain imaging and phantom MRI data. *Frontiers in Neuroinformatics, 10*: 9.. PMID: 27014049 PMCID: PMC4791544 DOI: 10.3389/fninf.2016.00009
162. **Rodman, A.M., Kastman, E., Dorfman, H.M., Baskin-Sommers, A.,** Kiehl, K.A., Newman, J.P. & Buckholtz, J.W. (2016). Selective mapping of psychopathy and externalizing to dissociable circuits for inhibitory self-control. *Clinical Psychological Science, 4*(3), 559-571. PMID: 27453803 PMCID: PMC4955633 DOI: 10.1177/2167702616631495
163. **Krusemark, E.,** Kiehl, K.A., & Newman, J.P. (2016). Endogenous attention modulates early selective attention in psychopathy: An ERP investigation. *Cognitive, Affective, and*

Behavioral Neuroscience, 16(5), 779-788. PMID: 27225501 DOI: 10.3758/s13415-016-0430-7.

164. **Fink, B.C., Steele, V.R., Maurer, J.M., Fede, S.J.,** Calhoun, V.D. & Kiehl, K.A. (2016). Brain potentials predict substance abuse treatment completion in a prison sample. *Brain and Behavior*, 6(8): e00501, 1-14. PMID: 27547503 PMCID: PMC4893048 DOI: 10.1002/brb3.501
165. **Baskin-Sommers, A.R.,** Neumann, C.S., Cope, L., & Kiehl, K.A. (2016). Latent variable modeling of brain gray matter volume and psychopathy in incarcerated offenders. *Journal of Abnormal Psychology*, 125(6), 811-817. PMID: 27269123 PMCID: PMC4980206 DOI: 10.1037/abn0000175
166. **Fede, S., Harenski, C., Schaich Borg, J.,** Sinnott-Armstrong, W.S., Rao, V., Caldwell, B., Nyalakanti, P., Koenigs, M. Decety, J., Calhoun, V.D., & Kiehl, K.A. (2016). Abnormal fronto-limbic engagement in incarcerated stimulant users during moral processing. *Psychopharmacology*, 233(17), 3077-3087. PMID: 27401337 PMCID: PMC4982833 DOI: 10.1007/s00213-016-4344-4
167. **Fede, S.J., Schaich Borg, J.,** Nyalakanti, P.K., Harenski, C.L., **Cope, L.M.,** Sinnott-Armstrong, W., Koenigs, M., Calhoun, V.D. & Kiehl, K.A. (2016). Distinct neuronal activation patterns of positive and negative moral processing in psychopathy. *Cognitive, Affective, and Behavioral Neuroscience*, 16(6), 1074-1085. PMID: 27549758 DOI: 10.3758/s13415-016-0454-z
168. Gaudet, L.M., Kerkmans, J.P., **Anderson, N.E.,** & Kiehl, K.A. (2016). Can neuroscience help predict future antisocial behavior? *Fordham Law Review*, 85(2), 503-531.
169. **Steele, V.R.,** Rao, V., Calhoun, V.D. & Kiehl, K.A. (2017). Machine learning of structural MRI predicts psychopathic traits in youth offenders. *Neuroimage*, 145, 265-273. PMID: 26690808 PMCID: PMC4903946 DOI: 10.1016/j.neuroimage.2015.12.013
170. **Korponay, C., Pujara, M., Deming, P., Philippi, C.,** Decety, J., Kosson, D.S., Kiehl, K.A., & Koenigs, M. (2017). Impulsive-antisocial dimension of psychopathy linked to enlargement and abnormal functional connectivity of the striatum. *Biological Psychiatry*, 2(2), 149-157. PMID: 28367514 PMCID: PMC5373097 DOI: 10.1016/j.bpsc.2016.07.004
171. **Vergara, V.M.,** Mayer, A., Damaraju, E., Kiehl, K.A., & Calhoun, V.D. (2017). Detection of mild traumatic brain injury by machine learning classification using resting state functional network connectivity and fractional anisotropy. *Journal of Neurotrauma*, 34(5), 1045-1053. PMID: 27676221 PMCID: PMC5333571 DOI: 10.1089/neu.2016.4526
172. **Harenski, C.L., Brook, M.,** Kosson, D.S., Bustillo, J.R., Harenski, K.A., Caldwell, M.F., Van Rybroek, G.J., Koenigs, M., Decety, J., Thornton, D.M., Calhoun, V.D. & Kiehl, K.A. (2017). Socio-neuro risk factors for suicidal behavior in criminal offenders with psychotic disorders. *Social Cognitive and Affective Neuroscience*, 12(1), 70-80. PMID: 28065894 DOI: 10.1093/scan/nsw164

173. **Anderson, N.E., Steele, V.R., Maurer, J.M.,** Rao, V., Koenigs, M.R., Decety, J., Kosson, D., Calhoun, V.D., & Kiehl, K.A. (2017). Differentiating emotional processing and attention in psychopathy with functional neuroimaging. *Cognitive, Affective, and Behavioral Neuroscience*, 17(3), 491-515. PMID: 28092055 DOI:10.3758/s13415-016-0493-5
174. **Korponay, C.,** Kosson, D.S., Decety, J., Kiehl, K.A. & Koenigs, M. (2017). Brain volume correlates with duration of abstinence from substance abuse in a region-specific and substance-specific manner. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 2(7), 626-635. DOI: <https://doi.org/10.1016/j.bpsc.2017.03.011>
175. **Korponay, C., Pujara, M., Deming, P., Philippi, C.,** Decety, J., Kosson, D.S., Kiehl, K.A., & Koenigs, M. (2017). Impulsive-antisocial psychopathic traits linked to increased volume and functional connectivity within prefrontal cortex. *Social, Cognitive and Affective Neuroscience*, 12(7), 1169-1178. PMID:28402565 PMCID: [PMC5490676](https://pubmed.ncbi.nlm.nih.gov/PMC5490676/) DOI: [10.1093/scan/nsx042](https://doi.org/10.1093/scan/nsx042)
176. **Thijssen, S.,** Rashid, B., Gopal, S., Nyalakanti, P., Calhoun, V.D., & Kiehl, K.A. (2017). Regular cannabis and alcohol use and resting-state functional connectivity in incarcerated adolescents. *Drug and Alcohol Dependence*, 178, 492-500. DOI: <https://doi.org/10.1016/j.drugalcdep.2017.05.045>
177. **Thijssen, S. & Kiehl, K.A.** (2017). Functional connectivity in incarcerated male adolescents with psychopathic traits. *Psychiatry Research: Neuroimaging*, 265, 35-44. DOI: <http://dx.doi.org/10.1016/j.psychresns.2017.05.005>
178. **Hosking, J.G., Kastman, E.K., Dorfman, H.M.,** Samanez-Larkin, G.R., Baskin-Sommers, A., Kiehl, K.A., Newman, J.P. & Buckholz, J.W. (2017). Disrupted prefrontal regulation of striatal subjective value signals in psychopathy. *Neuron*, 95, 221-231. doi: 10.1016/j.neuron.2017.06.030
179. Calhoun, V.D., Wager, T.D., Krishnan, A., Rosch, K.S., Seymour, K.E., Nebel, M.B., Mostofsky, S.H., Nyalakanai, P., & Kiehl, K.A. (2017). The impact of T1 vs EPI spatial registration templates for fMRI. *Human Brain Mapping*, 38(11), 5331-5342. PMID: 28745021 PMCID: [PMC5565844](https://pubmed.ncbi.nlm.nih.gov/PMC5565844/) DOI: [10.1002/hbm.23737](https://doi.org/10.1002/hbm.23737)
180. **Vincent, G.M., Cope, L.M.,** King, J., Nyalakanti, P. & Kiehl, K.A. (2017). Callous-unemotional traits modulate brain drug craving response in high-risk young offenders. *Journal of Abnormal Child Psychology*, 46(5):993-1009. (online pdf) DOI: 10.1007/s10802-017-0364-8
181. **Steele, V.R., Maurer, J.M., Arbabshirani, M.R.,** Claus, E.D., Fink, B.C., Rao, V., Calhoun, V.D., & Kiehl, K.A. (2018). Machine learning of functional magnetic resonance imaging network connectivity predicts substance abuse treatment completion. *Biological Psychiatry*, 3, 141-149. <http://dx.doi.org/10.1016/j.bpsc.2017.07.003>
182. **Edwards, B.G., Ermer, E.,** Salovey, P., & Kiehl, K.A. (2018). Emotional intelligence in incarcerated female offenders with psychopathic traits. *Journal of Personality Disorders*, 33(3):370-393. doi: 10.1521/pedi_2018_32_349

183. Harenski, C.L., Calhoun, V.D., Bustillo, J.R., Haas, B.W., Decety, J., Harenski, K.A., Caldwell, M.F., Van Rybroek, G.J., Koenigs, M., Thornton, D.M., & Kiehl, K.A. (2018). Functional connectivity during affective mentalizing in criminal offenders with psychotic disorders: Associations with clinical symptoms. *Psychiatry Research: Neuroimaging*, 30:271, 91-99. PMID: 29146299 PMCID: PMC5741458 DOI: [10.1016/j.psychres.2017.11.003](https://doi.org/10.1016/j.psychres.2017.11.003)
184. **Maurer, J.M., Steele, V.R., Fink, B.C.**, Vincent, G.M., Calhoun, V.D., & Kiehl, K.A. (2018). Investigating error-related processing in incarcerated adolescents with self-report psychopathy measures. *Biological Psychology*, 132, 96-105. <https://doi.org/10.1016/j.biopsycho.2017.11.009>
185. **Fryer, S.L.**, Woods, S.W., Roach, B. J. Ford, J., Donaldson, K., Calhoun, V.D, Pearlson, G.D., Kiehl, K.A., Srihari, V. H., McGlashan, T., Mathalon, D. (2018). Should I stay or should I go?: Altered brain response during inhibitory control in youth with early psychosis and clinical high-risk for psychosis. *Schizophrenia Bulletin*, 45(1):158-168. PMID: 29385625 DOI: [10.1093/schbul/sbx198](https://doi.org/10.1093/schbul/sbx198)
186. **Deming, P., Philippi, C.L., Wolf, R.C., Dargis, M.**, Kiehl, K.A., & Koenigs, M. (2018). Psychopathic traits linked to alterations in neural activity during personality judgments of self and others. *Neuroimage Clinical*, 18, 575-581. <https://doi.org/10.1016/j.nicl.2018.02.029>
187. **Espinoza, F.A., Vergara, V.M., Reyes, D.**, Anderson, N., Harenski, C.L., Decety, J., Rachakonda, S., Daramaju, E., Rashid, B., Miller, R., Koenigs, M., Kosson, D.S., Harenski, K., Kiehl, K.A.* & Calhoun, V.D.* (2018). Aberrant functional network connectivity in psychopathy from a large (n=985) forensic sample. *Human Brain Mapping*, 39, 2624-2634. PMID: 29498761 DOI: [10.1002/hbm.24028](https://doi.org/10.1002/hbm.24028) *co-senior authors
188. **Eisenbarth, H.**, Krammer, S., Edwards, B.G., Kiehl, K.A., & Neumann, C. (2018). Structural analysis of the PCL-R and relationship to BIG FIVE personality traits and parenting characteristics in a Hispanic female offender sample. *Personality and Individual Differences*, 129, 59-65. <https://doi.org/10.1016/j.paid.2018.03.015>
189. **Crooks, D.**, Anderson, N.E., **Widdows, M.**, Petseva, N., Koenigs, M., Pluto, C., & Kiehl, K.A. (2018). The relationship between cavum septum pellucidum and psychopathic traits in a large forensic sample. *Neuropsychologia*, 112, 95-104. doi: [10.1016/j.neuropsychologia.2018.03.015](https://doi.org/10.1016/j.neuropsychologia.2018.03.015)
190. Anderson, N.E., **Maurer, J.M., Steele, V. R.**, & Kiehl, K. A. (2018). Psychopathic traits associated with abnormal hemodynamic activity in salience and default mode networks during auditory oddball task. *Cognitive, Affective, and Behavioral Neuroscience*, 18(3), 564-580. doi:[10.3758/s13415-018-0588-2](https://doi.org/10.3758/s13415-018-0588-2)
191. **Vergara, V.**, Mayer, A., Kiehl, K.A. & Calhoun, V.D. (2018). Dynamic functional network connectivity discriminates mild traumatic brain injury through machine learning. *Neuroimage Clinical*, 19, 30-37. doi: [10.1016/j.nicl.2018.03.017](https://doi.org/10.1016/j.nicl.2018.03.017)

192. Kiehl, K.A., Anderson, N.E., **Aharoni, E., Maurer, J.M.**, Harenski, K.A., Rao, V., Claus, E.D., Harenski, C.L., Koenigs, M., Decety, J., Kosson, D., Wager, T.D., Calhoun, V.D., & Steele, V.R. (2018). Age of gray matters: Neuroprediction of recidivism. *Neuroimage Clinical*, 19,813-823. [doi: 10.1016/j.nicl.2018.05.036](https://doi.org/10.1016/j.nicl.2018.05.036)
193. **Miskovich, T.A.**, Anderson, N.E., Harenski, C.L., Harenski, K.A., Baskin-Sommers, A.R., Larson, C.L., Newman, J.P., Hanson, J.L., Stout, D.M., Koenigs, M., Shollenbarger, S.G., Lisdahl, K.M., Decety, J., Kosson, D.S., & Kiehl, K.A. (2018). Abnormal cortical gyrification in criminal psychopathy. *Neuroimage Clinical*, 19,876-882. [doi: 10.1016/j.nicl.2018.06.007](https://doi.org/10.1016/j.nicl.2018.06.007)
194. **Crooks, D.**, Anderson, N.E., **Widdows, M.**, Petseva, N., Decety, J., Pluto, C., & Kiehl, K.A. (2018). The relationship between cavum septum pellucidum and psychopathic traits in female offenders. *Behavioural Brain Research*, 359, 967-972. [doi: 10.1016/j.bbr.2018.06.011](https://doi.org/10.1016/j.bbr.2018.06.011)
195. Abe, N., Greene, J.D., & Kiehl, K.A. (2018). Reduced engagement of the anterior cingulate cortex in the dishonest decision-making of incarcerated psychopaths. *Social, Cognitive, and Affective Neuroscience (SCAN)*, 13(8), 797-807. [doi: 10.1093/scan/nsy050](https://doi.org/10.1093/scan/nsy050)
196. **Simmonite, M.**, Harenski, C.L., Koenigs, M., Kiehl, K.A. & Kosson, D.S. (2018). Testing the Left Hemisphere Activation hypothesis in psychopathic offenders using the Stroop task. *Personality and Individual Differences*, 135, 182-187. [Doi: 10.1016/j.paid.2018.07.020](https://doi.org/10.1016/j.paid.2018.07.020)
197. Thomson, N.D., Aboutanos, M., Kiehl, K.A., Neumann, C., & Fanti, K.A. (2018). Physiological reactivity in response to a fear induced virtual reality experience: Associations with psychopathic traits. *Psychophysiology*, 56, e13276, [epub https://doi.org/10.1111/psyp.13276](https://doi.org/10.1111/psyp.13276)
198. Harenski, C.L., Harenski, K.A., Calhoun, V.D., & Kiehl, K.A. (2018). Source-based morphometry reveals gray matter differences related to suicidal behavior in criminal offenders. *Brain Imaging and Behavior*. [doi: 10.1007/s11682-018-9957-2](https://doi.org/10.1007/s11682-018-9957-2)
199. **Dargis, M., Sitney, M.**, Caldwell, B., Caldwell, M., **Edwards, B.**, Harenski, C.L., Anderson, N.E., Van Rybroek, G., Koenigs, M., & Kiehl, K.A. (2018). Development of an expert-rater assessment of trauma history in a high-risk youth forensic sample. *Psychological Trauma: Theory, Research, Practice, and Policy*. 11(7), 713–721, [doi: 10.1037/tra0000423](https://doi.org/10.1037/tra0000423). [Epub ahead of print]
200. Anderson, N.E., Harenski, K.A., Harenski, C.L., Koenigs, M.R., Decety, J., Calhoun, V.D., & Kiehl, K.A. (2018). Machine learning of brain gray matter differentiates sex in a large forensic sample. *Human Brain Mapping*, (40)5, 1496-1506. [doi: 10.1002/hbm.24462](https://doi.org/10.1002/hbm.24462)

Anderson, N.E., Maurer, J.M., Nyalakati, P., Harenski, K.A., Harenski, C.L., Koenigs, M.R., Decety, J., & Kiehl, K.A. (2019). Affective and interpersonal psychopathic traits associated with reduced corpus callosum volume among male inmates – retraction.

- (Psychological Medicine, 49 (8), 1400). Senior author note: A data error was found and corrected by the team.
201. Thomson, N.D., Kiehl, K.A. & Bjork, J. (2019). Violence and aggression in young women: The importance of psychopathy and neurobiological function. *Physiology and Behavior*, 201, 130-138. <https://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. <https://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. <https://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, 101703 (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*, 47, 1917–1929. <https://doi:10.1007/s10802-019-00560-3>
 206. Aharoni, E., Anderson, N.E., Barnes, J.C., Allen, C.H., & Kiehl, K.A. (2019). Mind the gap: Toward an integrative science of the brain and crime. *BioSocieties*, 14:463–468. <https://doi.org/10.1057/s41292-019-00167-3>
 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*, <https://doi.org/10.1007/s11682-019-00155-y>
 208. **Edwards, B.G.**, **Carre, J.R.** & Kiehl, K.A. (2019). A review of psychopathy and Cluster B personality traits and their neural correlates in female offenders. *Biological Psychology*, 148, 107740. <https://doi.org/10.1016/j.biopsycho.2019.107740>
 209. **Tillem, S.** Harenski, K., Harenski, C.L., Decety, J., Kosson, D., Kiehl, K.A., & Baskin-Sommers (2019). Psychopathy is associated with shifts in the organization of neural networks in a large incarcerated male sample. *Neuroimage Clinical*, 24, 102083. <https://doi.org/10.1016/j.nicl.2019.102083>
 210. **Arbabshirani, M.R.**, Preda, A., Vaidya, J.G., Potkin, S.G., Pearlson, G., Voyvodic, J., Mathalon, D., van Erp, T., Michael, A., Kiehl, K.A., Turner, J.A., & Calhoun, V.D. (2019). Autoconnectivity: A new perspective on human brain function. *Journal of Neuroscience Methods*, 323, 68-78. <https://doi.org/10.1016/j.jneumeth.2019.03.015>
 211. **Espinoza, F.A.**, Anderson, N.E., Vergara, V.M., Harenski, C.L., Decety, J., Rachakonda, S., Damaraju, E., Koenigs, M., Kosson, D.S., Harenski, K., Calhoun, V.D., & Kiehl, K.A.

- (2019). Resting-state fMRI dynamic functional network connectivity and associations with psychopathic traits. *Neuroimage Clinical*, 24, 101970. <https://doi.org/10.1016/j.nicl.2019.101970>
212. **Reynolds, B.L., Maurer, J.M., Cook, A.M.,** Harenski, C.L. & Kiehl, K.A. (2019). The relationship between psychopathic traits and risky sexual behavior in incarcerated adult male offenders. *Personality and Individual Differences*, 156, 109798. <https://doi.org/10.1016/j.paid.2019.109798>
213. Anderson, N.E. & Kiehl, K.A. (2020). Re-wiring guilt: How advancing neuroscience encourages strategic interventions over retributive justice. *Frontiers in Psychology*, 11, 390. <https://doi.org/10.3389/fpsyg.2020.00390>
214. **Maurer, J.M.,** Paul, S., Anderson, N.E., Nyalakanti, P.K., & Kiehl, K.A. (2020). Youth with elevated psychopathic traits exhibit structural integrity deficits in the uncinate fasciculus. *Neuroimage Clinical*, 26, 102236. <https://doi.org/10.1016/j.nicl.2020.102236>
215. **Rowlands, A.,** Fisher, M., Mishra, J., Nahum, M., Brandrett, M., Reinke, M., Caldwell, M.D., Kiehl, K.A., & Vinogradov, S. (2020). Cognitive training for very high risk incarcerated adolescent males. *Frontiers in Psychiatry*. <https://doi.org/10.3389/fpsyg.2020.00225>
216. **Fernandes, S.,** Aharoni, E., Harenski, C.L., Caldwell, M.D., & Kiehl, K.A. (2020). Anomalous moral intuitions in juvenile offenders with psychopathic traits. *Journal of Research in Personality*, 86, <https://doi.org/10.1016/j.jrp.2020.103962>
217. **Edwards, B.G.,** Mills, J.L., **Reynolds, B.,** Verona, E., & Kiehl, K.A. (2020). Psychopathy and substance use in relation to prostitution and pimping among women offenders. *Personality Disorders: Theory, Research and Treatment*, 12(5), 411-420. <https://doi.org/10.1037/per0000418>
218. **Cazala, F.,** Harenski, K.A., Thornton, D.M., Kiehl, K.A., Harenski, C.L. (2020). Neural correlates of moral judgment in criminal offenders with sadistic traits. *Archives of Sexual Behaviors*, 50, 2163-2171. <https://doi.org/10.1007/s10508-020-01818-4>
219. **Deming, P., Dargis, M., Haas, B.W., Brook, M.,** Decety, J., Harenski, C.L., Kiehl, K.A., Koenigs, M., & Kosson, D.S. (2020). Psychopathy is associated with fear-specific reductions in neural activity during affective perspective-taking. *Neuroimage*, 223, 117342. <https://doi.org/10.1016/j.neuroimage.2020.117342>
220. Anderson, N., **Widdows, M., Maurer, J.M.,** & Kiehl, K.A. (2020). Clarifying fearlessness in psychopathy: An examination of thrill-seeking and physical risk-taking. *Journal of Psychopathology and Behavioral Assessment*. <https://doi.org/10.1007/s10862-020-09847-y>
221. Hare, R.D., Olver, M., Keira, C., Stockdale, K., Neumann, C.S., Mokros, A., Baskin-Sommers, A., Brand, E., Folino, J., Gacono, C., Gray, N.S., Kiehl, K.A., Knight, R., Leon-Mayer, E., Logan, M., Reid Meloy, J., Roy, S., Salekin R.T., Snowden, R.J., Thompson, N., Tillem, S., Vitacco, M., & Yoon, D. (2020). The PCL-R and capital sentencing: A

- commentary on “Death Is Different” DeMatteo et al. *Psychology, Public Policy, and Law*, 26(4), 519-522. <https://doi.org/10.1037/law0000290>
222. Olver, M.E., Stockdale, K.C., Neumann, C.S., Hare, R.D., Mokros, A., Baskin-Sommers, A., Brand, E., Folino, J., Gacono, C., Gray, N.S., Kiehl, K.A., Knight, R., Leon-Mayer, E., Logan, M., Meloy, J., Roy, S., Salekin, R.T., Snowden, R., Thomson, N.D., Tillem, S., Vitacco, M., Yoon, D. (2020). Reliability and validity of the Psychopathy Checklist-Revised in the assessment of risk for institutional violence: A cautionary note on DeMatteo et al. (2020). *Psychology, Public Policy, and Law*, 26(4), 490–510. <https://doi.org/10.1037/law0000256>
223. Kolla, N.J., Harenski, C.L., Harenski, K.A., Dupuis, M., Cawford, J.J., & Kiehl, K.A. (2021) Brain gray matter differences among forensic psychiatric patients with psychosis and incarcerated individuals without psychosis: A source-based morphometry study. *NeuroImage: Clinical*. <https://doi.org/10.1016/j.nicl.2021.102673>
224. Gullapalli, A., Anderson, N.E., **Yerramsetty, R.**, Harenski, C.L. & Kiehl, K.A. (2021). In the blink of an eye: Quantitative blink dynamics predict deceptive personality traits in forensic interviews. *Personality and Individual Differences*, 176, 1-6. <https://doi.org/10.1016/j.paid.2021.110764>
225. Gullapalli, A., Anderson, N.E., **Yerramsetty, R.**, Harenski, C.L. & Kiehl, K.A. (2021). Quantifying the psychopathic stare: Automated assessment of head motion is related to antisocial traits in forensic interviews. *Journal of Research in Personality*. 92, <https://doi.org/10.1016/j.jrp.2021.104093>
226. **Yoder, K.J.**, Harenski, C., Kiehl, K.A., & Decety, J. (2021). Neural responses to morally laden interactions in female inmates with psychopathy. *Neuroimage Clinical*, 30. <https://doi.org/10.1016/j.nicl.2021.102645>
227. **Irvin-Vitela, MA., Maurer, J.M.**, Aharoni, E., Fernandes, S., **Edwards, B.G.**, Decety, J., Harenski, C.L., Kiehl, K.A. (2021) Reduced endorsement of specific moral foundations in incarcerated adult women with elevated psychopathic traits. *Personality and Individual Differences*, 181. 110998. <https://doi.org/10.1016/j.paid.2021.110998>
228. **Edwards, B.G., Maurer, J.M.**, Harenski, C.L., & Kiehl, K.A. (2021). Psychopathy, borderline personality disorder, and substance use in female offenders. *Criminal Justice and Behavior*, 48(12), 1732-1748. <https://doi.org/10.1177/00938548211033336>
229. **Weaver, S.**, Dargis, M., Kiehl, K.A. & Koenigs, M. (2021). Criminal histories and rates of recidivism among two subtypes of psychopathic individuals. *Criminal Justice and Behavior*, 49 (4), 471-491. <https://doi.org/10.1177/00938548211033329>
230. **Montry, K.M., Simmonite, M.**, Steele, V.R., Brook, M.A. Kiehl, K.A. & Kosson, D.S. (2021). Phonological processing in psychopathic offenders. *International Journal of Psychophysiology*, Oct; 168:43-51. doi: 10.1016/j.ijpsycho.2021.07.627.
231. **Maurer, J.M., Tirrell, P.S.**, Anderson, N.E., **Rodriguez, S.N.**, Caldwell, M.F., Van Rybroek, G.J. & Kiehl, K.A. (2021). Dimensions of impulsivity related to psychopathic traits and homicidal behavior among incarcerated male youth offenders. *Psychiatry Res.*

2021 Sep;303:114094. doi: 10.1016/j.psychres.2021.114094. Epub 2021 Jul 7. PMID: 34274904; PMCID: PMC8373775.

232. **Klößner, M.S.**, Jordan, K., Kiehl, K.A., Harenski, C.L., & Müller, J.L. (2021). Widespread and interrelated gray matter reductions in child sexual offenders with and without pedophilia: Evidence from a multivariate structural MRI study. *Psychiatry and Clinical Neuroscience*, 75 (11), 331-340. <https://doi.org/10.1111/pcn.13292>
233. Panta, S., Anderson, N.E., **Maurer, M.J.**, Harenski, K.A., Nyalakanti, P.K., Calhoun, V.D., & Kiehl, K.A. (2021). Classifying handedness with MRI. *Neuroimage: Reports*, 1(4), 1-8. <https://doi.org/10.1016/j.ynirp.2021.100057>
234. **Greenfield, D., Cazala, F.**, Carre, J., Somoza-Mitchell, A., Decety, J., Thornton, D., Kiehl, K.A., & Harenski, C.L. (2021). Emotional intelligence in incarcerated sexual offenders with sexual sadism. *Journal of Sexual Aggression*. <https://doi.org/10.1080/13552600.2021.2015469>
235. **Schneider, B.**, Arciniegas, D.B., Harenski, C.L., Kiehl, K.A. & Koenigs, M. (2021). The prevalence, characteristics, and psychological correlates of traumatic brain injury in male and female prisoners: An examination in two large independent samples. *Brain Injury*, 35, 1690-1701. <https://doi.org/10.1080/02699052.2021.2013534>
236. **Cazala, F.**, Zak, P.J., Beavin, L.E., Thornton, D.M., Kiehl, K.A. & Harenski, C.L. (2022). Hormonal response to perceived distress in incarcerated men with sexual sadism. *Personality and Individual Differences*, 184, e111180. [10.1016/j.paid.2021.111180](https://doi.org/10.1016/j.paid.2021.111180)
237. Yoder, K.J., Harenski, C.L., Kiehl, K.A., & Decety, J. (2022). Psychopathic traits modulate functional connectivity during pain perception and perspective-taking in female inmates. *NeuroImage: Clinical*, 34, 102984. <https://doi.org/10.1016/j.nicl.2022.102984>
238. **Cook, A.M., Maurer, M.J., Reynolds, B.L.**, Harenski, C.L., & Kiehl, K.A. (2022). Psychopathy and risky sexual behavior in incarcerated women. *Criminal Justice and Behavior*, 49 (10), 1456-1473. DOI:[10.1177/00938548221105057](https://doi.org/10.1177/00938548221105057)
239. **Maurer, J.M., Edwards, B.G.**, Harenski, C.L., Decety, J., & Kiehl, K.A. (2022). Psychopathic traits vary with age among incarcerated women: A cross-sectional investigation. *Journal of Forensic Psychiatry and Psychology*, 33, 112-129. <https://doi.org/10.1080/14789949.2022.2036220>
240. **Deming, P.**, Eisenbarth, H., **Rodrik, O., Weaver, S.S.**, Kiehl, K.A., & Koenigs, M. (2023). An examination of autonomic and facial responses to prototypical facial emotion expressions in psychopathy. *International Journal of Psychophysiology*, 188, 59-69.
241. Palumbo, S., Mariotti, V., Vellucci, S., Antonelli, K., Anderson, N.E., Harenski, C.L., Pietrini, P., Kiehl, K.A., & Pellegrini, S. (2022). ANKK1 and TH gene variants in combination with paternal maltreatment increase susceptibility to both cognitive and attentive impulsivity. *Frontiers in Psychiatry*, July 22, 1-10.
242. **Rodriguez, S.**, Gullapalli, A., **Maurer, J.M., Tirrell, P.**, Egala, U., Anderson, N.E., Harenski, C.L., & Kiehl, K.A. (2022). Quantitative head dynamics associated with

- interpersonal (Grandiose-Manipulative) psychopathic traits in incarcerated youth. *Journal of Psychopathology and Behavioral Assessment*, 44, 1054-1063.
<https://doi.org/10.1007/s10862-022-09988-2>
243. **Allen, C.H., Maurer, J.M., Edwards, B.G.**, Gullapalli, A.R., Harenski, C.L., Harenski, K.A., Calhoun, V.D., & Kiehl, K.A. (2023). Aberrant resting-state functional connectivity in incarcerated women with elevated psychopathic traits. *Frontiers in Neuroimaging*,
244. **Cappelle, T.**, Neumann, C.S., **Cook, A.M., Kim, E.**, Harenski, C.L., **Edwards, B.G.**, Clarke, G.J.B., Decety, J., & Kiehl, K.A. (2023). Traumatic brain injury and psychopathic traits in justice-involved adult women. *Journal of Personality Disorders*, 37(2), 195-212.
245. **Allen, C.H.**, Aharoni, E., Gullapalli, A.R., **Edwards, B.G.**, Harenski, C.L., Harenski, K.A. & Kiehl, K.A. (2022). Hemodynamic activity in the limbic system predicts reoffending in women. *Neuroimage Clinical*, 32, 103238. <https://doi.org/10.1016/j.nicl.2022.103238>
246. **Maurer, J.M.**, Paul, S., **Edwards, B.E.**, Anderson, N.E., Nyalakanti, P.K., Harenski, C.L., Decety, J., & Kiehl, K.A. (2022). Reduced structural integrity of the uncinate fasciculus in incarcerated women scoring high on psychopathy. *Brain Imaging and Behavior*, 16 (5), 2141-2149. <https://doi.org/10.1007/s11682-022-00684-z>
247. Palumbo, S., Mariotti, V., Vellucci, S., Antonelli, K., Anderson, N.E., Harenski, C.L., Pietrini, P., Kiehl, K.A., & Pellegrini, S. (2022). HTR1B genotype and psychopathy: Main effect and interaction with paternal maltreatment. *Psychoneuroendocrinology*, 144, 105861. <https://doi.org/10.1016/j.psyneuen.2022.105861>
248. **Rodrik, O., Weaver, S.S.**, Kiehl, K.A., & Koenigs, M. (2022). Correlates of externalizing psychopathology in incarcerated men. *Psychological Assessment*, 34 (10), 912-922. <https://doi.org/10.1037/pas0001161>
249. **Edwards, B.G.**, Gullapalli, A.R., **Maurer, J.M., Ulrich, D.M.**, Harenski, C.L., Thomson, N.D., Davenport, S., & Kiehl, K.A. (2023). Psychopathy and substance use predict recidivism in women: A 7-year prospective study. *Personality Disorders: Theory, Research, and Treatment*, PMID: 36595436; DOI: [10.1037/per0000615](https://doi.org/10.1037/per0000615)
250. **Cazala, F., Sajous-Turner, A.**, Caldwell, M.F., Van Rybroek, G.J., Kiehl, K.A., & Harenski, C.L. (2023). Childhood trauma predicts sadistic traits and violent behavior in incarcerated youth. *Child Psychiatry and Human Development*, 3(7), 1-10.
251. **Rodriguez, S.**, Gullapalli, A.R., **Tirrell, P.S.**, Maurer, J.M., **Egala, U., Edwards, B.G.**, Anderson, N.E., Harenski, C.L., Decety, J., Neumann, C.S., & Kiehl, K.A. (2023). Automated patterns of head dynamics are associated with psychopathic traits in incarcerated women. *Personality and Individual Differences*, 200, 11904. <https://doi.org/10.1016/j.paid.2022.111904>
252. **Deming, P., Cook, C.J.**, Meyerand, M.E., Kiehl, K.A., Kosson, D.S., & Koenigs, M. (2023). Impaired salience network switching in psychopathy. *Behavioral Brain Research*, 452, 114570.

253. **Maurer, J.M.**, Harenski, K.A., Paul, S., Vergara, V.M., **Stephenson, D.D.**, Gullapalli, A.R., Anderson, N.E., Clarke, G.J.B., Nyalakanti, P.K., Harenski, C.L., Decety, J., Mayer, A.R., Arciniegas, D.B., Calhoun, V.D., Parrish, T.B., & Kiehl, K.A. (2023). Machine learning classification of chronic traumatic brain injury using diffusion tensor imaging and NODDI: A replication and extension study. *NeuroImage: Reports*, 3 (1), 100157. <https://doi.org/10.1016/j.ynirp.2023.100157>
254. **Maurer, J.M.**, **Edwards, B.G.**, Harenski, C.L. & Kiehl, K.A. (2023). Psychopathic traits are associated with lifetime history of nicotine dependence among incarcerated offenders. *Substance use and misuse*. <https://doi.org/10.1080/10826084.2023.2167495>
255. Shold, J.N., **Maurer, J.M.**, **Reynolds, B.L.**, Gullapalli, A.R., **Allen, C.H.**, **Edwards, B.G.**, Anderson, N.E., Harenski, C.L., Neumann, C.S., & Kiehl, K.A. (2023). Psychometric properties of the Trauma Checklist 2.0 and its predictive utility of felony re-offending among high-risk juvenile offenders. *Child and Adolescent Psychiatry and Mental Health*, 17 (1), 111.
256. **Allen, C.H.**, Shold, J., **Maurer, J.M.**, **Reynolds, B.L.**, Anderson, N.E., Harenski, C.L., Harenski, K.A., Calhoun, V.D., & Kiehl, K.A. (2023). Aberrant resting-state functional connectivity associated with childhood trauma among juvenile offenders. *Neuroimage: Clinical*. 37, 103343.
257. **Allen, C.H.**, **Maurer, J.M.**, Gullapalli, A.R., **Edwards, B.G.**, Aharoni, E., Harenski, C.L., Anderson, N.E., Harenski, K.A., Calhoun, V.D., & Kiehl, K.A. (2023). Psychopathic traits and altered resting-state functional connectivity in incarcerated adolescent girls. *Frontiers in Neuroimaging*, 2. DOI10.3389/fnimg.2023.1216494
258. **Maurer, J.M.**, Anderson, N.E., **Allen, C.H.**, & Kiehl, K.A. (2024). Examining the association between psychopathic traits and fearlessness among maximum-security incarcerated male adolescents. *Children*, 11(1), 65.
259. **Cohen, T.R.**, Fronk, G.E., Kiehl, K.A., Curtin, J.J., & Koenigs, M. (2024). Clarifying the relationship between mental illness and recidivism using machine learning: A retrospective study. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0297448>
260. **Allen, C.H.**, Gullapalli, A.R., **Milillo, M.**, **Ulrich, D.**, **Rodriguez, S.**, **Maurer, J.M.**, Aharoni, E., Anderson, N.E., Harenski, C.L., Vincent, G.M., & Kiehl, K.A. (2024). Psychopathy scores predict recidivism in high-risk youth: A five-year follow-up study. *Research on Child and Adolescent Psychopathology*. <https://doi.org/10.1007/s10802-024-01169-x>
261. Brieman, C., Kiehl, K.A., Cope, L., McGarrigle, W. & Kosson, D.S. (2024). Clarifying relations between core features of psychopathy and substance (mis)use: A replication and extension in two large independent samples. *Journal of Personality Disorders*, 38(2): 138-156. PMID: 38592911 PMCID: [PMC11407461](https://pubmed.ncbi.nlm.nih.gov/PMC11407461/) DOI: [10.1521/pepi.2024.38.2.138](https://doi.org/10.1521/pepi.2024.38.2.138)
262. **Allen, C.H.**, Maurer, J.M., Gullapalli, A.R., Edwards, B.G., Aharoni, E., Anderson, N.E., Harenski, C.L. & Kiehl, K.A. (2024). The utility of expert-rated and self-report assessments of youth psychopathic traits for predicting felony recidivism among formerly

- incarcerated youth. *Youth Violence and Juvenile Justice*, 22(4).
<https://doi.org/10.1177/15412040241256574>
263. **Ngo, D.A.**, Neumann, C.S., Maurer, J.M., Harenski, C.H. & Kiehl, K.A (2024). Psychopathic traits in adult versus adolescent males: Measurement invariance across the PCL-R and PCL-YV. *Behavioral Sciences*, 14(8), 672.
<https://doi.org/10.3390/bs14080672>
264. **Millilo, M.M.**, Neumann, C.S., Maurer, J.M., Jin, C., Commerce, E., Reynolds, B.L., Harenski, C.L., & Kiehl, K.A. (2024). Association between traumatic brain injury and psychopathic traits among justice-involved adolescents. *Research on Child and Adolescent Psychopathology*, 1-13.
265. Anderson, N.E., **Maurer, J.M., Stephenson, D.**, Harenski, K., Caldwell, M., Van Rybroek, G., & Kiehl, K.A. (2024). Striatal brain volume linked to severity of substance use in high-risk incarcerated youth. *Development and Psychopathology*, 1-10.
266. **Rodriguez, A.L., Allen, C.H.**, Maurer, J.M., Edwards, B.E., Anderson, N.E., Harenski, C.L., Koenigs, M.R., & Kiehl, K.A. (2025). The relationship between psychopathic traits and executive functioning among incarcerated men. *Frontiers in Psychiatry*, 17(15). PMID: 39896994; PMCID: [PMC11782123](https://pubmed.ncbi.nlm.nih.gov/PMC11782123/); DOI: [10.3389/fpsyt.2024.1524033](https://doi.org/10.3389/fpsyt.2024.1524033)
267. Maurer, J.M., Gullapalli, A.R., **Millilo, M.M., Allen, C.H., Rodriguez, S.N.**, Edwards, B.G., Anderson, N.E., Harenski, C.L., & Kiehl, K.A. (2025). Adolescents with elevated psychopathic traits are associated with an increased risk for premature mortality. *Research on Child and Adolescent Psychopathology*, 53(1), 17-28. PMID: 39207635 PMCID: PMC11759656; DOI: [10.1007/s10802-024-01233-6](https://doi.org/10.1007/s10802-024-01233-6)
268. **Millilo, M.M.**, Cappelle, T., Clarke, G.J.B., Neumann, C.S., Maurer, J.M., Anderson, N.E., Harenski, C.L., Arciniegas, D., Decety, J., Koenigs, M., & Kiehl, K.A. (2025). Traumatic brain injury and psychopathic traits in justice-involved adult males.
269. Maurer, J.M., Allen, C.H., **Rodriguez, S.N.**, Harenski, K.A., Stephenson, D.D., Edwards, B.G., Anderson, N.E., Harenski, C.L., Calhoun, V.D., & Kiehl, K.A. (2025). Incarcerated adolescents scoring high on the Brown Attention-Deficit Disorder Scale are associated with impairments within brain regions associated with executive control: A source-based morphometry study. *Psychiatry Research: Neuroimaging*
270. **Bernard, N.J., Maurer, J.M.**, Anderson, N.E., Harenski, C.L., & Kiehl, K.A. (2025). The association between psychopathic traits and religiosity/spirituality among incarcerated adults. *Personality and Individual Differences*. DOI 10.1016/j.paid.2025.113401
271. **Rodriguez, S.N.**, Gullapalli, A.R., Stephenson, D.D., Maurer, J.M., Harenski, K.A., Harenski, C.L., & Kiehl, K.A. (2025). Machine learning of clinical and neural data predicts future homicide in high-risk youth. *Scientific Reports*, 16, 2920 (2026); published online 12/24/25 <https://doi.org/10.1038/s41598-025-32782-5>
272. Harenski CL, Cazala F, Maurer JM, Harenski KA, Anderson NE, Decety J, Calhoun VD, & Kiehl KA (2025). Increased gray matter within temporal cortical networks in sexual sadism. *Journal of Psychiatric Research*

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.
10. **Anderson, N.E.**, **Allen, C.H.**, & Kiehl, K.A. (2024). A neurocriminological perspective on violence. In *Handbook on Gun Violence*, 423-441.

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.amazon.com/The-Psychopath-Whisperer-Science-Conscience/dp/077043584X>

www.psychopathwhisperer.com

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

SCIENTIFIC PRESENTATIONS, SYMPOSIA & INVITED LECTURES

**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: 7th 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 25th 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, Minary 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., Kodituwakku, 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 3rd 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, 20th 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 16th 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 16th 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 16th 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 16th 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 16th 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 16th 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. (2010, October,). *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. (2010, October). *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. (2011, March). *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. (2011, March). *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. (2011, March). *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. (2011, March). *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. (2011, April). *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. (2011, May). *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. (2011, May). *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. (2011, May). *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. (2011, May). *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. (2011, May). *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. (2011, May). *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. (2011, May). *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. (2011, May). *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. (2011, June). *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. (2011, September). *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. (2011, September). *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. (2011, October). *The criminal psychopath magnetized: Insights from neuroimaging*. PAL lecture series, Department of Psychology, University of New Mexico.
235. Kiehl, K.A. (2011, October). *The Criminal Psychopath: Who? Why? What?* Mind Research Network lecture series. Albuquerque, NM.
236. Kiehl, K.A. (2011, November). *The Cognitive Neuroscience of Criminal Psychopaths*. Department of Psychology, University of Maryland, College Park, MD. Invited lecture.
237. Kiehl, K.A. (2012, February). *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. (2012, April). *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. (2012, April). *The criminal psychopath magnetized: Implications of brain imaging for psychology, medicine, law and policy*. Duke University Law School. Invited speaker.
240. Kiehl, K.A. (2012, April). *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. (2012, July). *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. (2012, August). *The Psychopath*. Invited paper, Google/Nature/O'Reilly Sci Foo Conference, Google Campus, Mountain View, CA.
243. Kiehl, K.A. (2012, September). *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. (2012, October). *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. (2012, October). *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. (2012, October). *Roundtable discussion on law and neuroscience*. Seminar on future tense, The New America Foundation, Washington, DC. Invited speaker.
247. Kiehl, K.A. (2013, February). *The cognitive neuroscience of criminal psychopaths*. South Carolina Psychiatric Association 2013 Annual Conference. Charleston, SC. Invited speaker.
248. Kiehl, K.A. (2013, March). *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., (2013, May). *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., (2013, May). *The Usual Suspects Magnetized: When Law and Neuroscience Collide*. Alaska Bar Convention. Juneau, AK. Invited Keynote speaker.
251. Kiehl, K.A. (2013, May). *Psychopaths and the Law: Assessment, Recidivism and Treatment*. Alaska Bar Convention. Juneau, AK. Invited keynote speaker.

252. Kiehl, K.A. (2013, May). *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., (2013, June). *The Usual Suspects Magnetized: When Law and Neuroscience Collide*. Santa Barbara Judicial Meeting, Santa Barbara, CA. Invited speaker.
254. Kiehl, K.A. (2013, June). *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. (2013, June). *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, June). *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. (2013, July). *Neuroscience and Crime*. Summer Institute in Cognitive Science, Lake Tahoe, CA. Invited speaker.
258. Anderson, N. E., Maurer, J. M., Kiehl, K. A. (2013, October). *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. (2013, November). *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. (2013, November). *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. (2013, November). *Can Neuroscience Help Understand Risk For Homicide?* Sandra Day O'Conner Science Symposium. Arizona State University School of Law. Phoenix, Arizona. Invited Speaker.
262. Kiehl, K.A. (2013, December). *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. (2014, February). *On Prediction in Legal Contexts: Would, Could, Should Neuroimaging Help?* Northwestern University School of Law. Invited Speaker.

264. Kiehl, K.A., (2014, March). *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. (2014, March). *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. (2014, March). *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. (2014, March). *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. (2014, March). *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. (2014, April). *Forensic Neuroscience*. Avielle Foundation Scientific Advisory Board meeting. New Haven, CT.
270. Kiehl, K.A. (2014, April). *The Usual Suspects Magnetized: When Neuroscience and Law Collide*. Department of Psychiatry, University of Illinois – Chicago. Invited speaker.
271. Kiehl, K.A. (2014, April). *Psychopathy: Etiology and Treatment*. Violence Institute of New Jersey Conference, Rutgers University, Invited Speaker.
272. Kiehl, K.A. (2014, May). *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. (2014, June). *Neuroscience and Law – The Latest Science*. New Mexico Annual Judicial Education Enclave, Albuquerque, NM. Invited keynote speaker.
274. Kiehl, K.A. (2014, June). *Neuro-Prediction – Science Update*. MacArthur Foundation. Law and Neuroscience Project, Chicago, IL. Invited speaker.
275. Kiehl, K.A. (2014, June). *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. (2014, July). *Neuroscience and Law*. OASIS (continuing education for senior citizens), Albuquerque, NM. Invited Speaker.
277. Kiehl, K.A. (2014, September). *The Usual Suspects Magnetized: When Neuroscience Goes to Court*. Department of Psychology, Tulane University, New Orleans, LA. Invited speaker.
278. Kiehl, K.A. (2014, September). *Neuroscience and Law*. Department of Psychology, University of New Orleans, LA. Invited speaker.
279. Kiehl, K.A. (2014, September). *The Usual Suspects Magnetized: When Neuroscience Goes to Court*. Department of Psychiatry, Baylor College of Medicine, Houston, TX. Invited speaker.
280. Kiehl, K.A. (2014, October). *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. (2014, November). *Neuroscience of Prediction in Legal Contexts*. Duke University, Durham, NC. Invited lecture.
282. Kiehl, K.A. (2014, November). *The Neuroscience of Psychopaths: Legal and Policy Implications*. Department of Psychology, University of Wisconsin-Madison. Madison, WI. Invited speaker.
283. Kiehl, K.A. (2014, November). *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. (2015, January). *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. (2015, January). *The Brain Safe Program*. Arizona State University School of Law Symposium on Concussions in NCAA Athletes, Phoenix, AZ. Invited speaker.
286. Kiehl, K.A. (2015, February). *Neuroscience of Incarcerated Youth*. Texas Youth Bar Association Annual Meeting. Dallas/Ft. Worth, TX. Invited Speaker.
287. Kiehl, K.A. (2015, February). *Understanding, Predicting, and Reducing Bad Decisions: Can Neuroscience Help?* Department of Psychology, Duke University, Durham, NC. Invited speaker.
288. Kiehl, K.A. (2015, February). *Neuroscience and Law*. Panel Member/Speaker at the Yale Law School Event – Rebellious Lawyer Conference. New Haven, CT. Invited Speaker.
289. Kiehl, K.A. (2015, March). *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. (2015, March). *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. (2015, April). *The Neuroscience of Prediction*. IARPA conference. Albuquerque, NM.
292. Kiehl, K.A. (2015, April). *Psychopaths for engineers*. Department of Electrical Engineering, University of New Mexico. Invited lecture.
293. Kiehl, K.A. (2015, April). *Neuroscience of Prediction*. Los Alamos National Laboratory, Los Alamos, NM. Invited speaker.
294. Kiehl, K.A. (2015, May). *The Usual Suspects Magnetized: Neuroscience Goes to Court*. North Dakota Judicial Education Lecture. Grand Forks, ND. Invited Speaker.
295. Kiehl, K.A. (2015, May). *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. (2015, June). *Neuroimaging studies of incarcerated high-risk youth*. South Carolina Psychiatric Association. Charleston, SC. Invited Speaker.
297. Kiehl, K.A. (2015, June). *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. (2015, June). *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. (2015, June). 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.** (2015, June). *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.** (2015, June). *Dissociating emotional processing and attention to emotion in psychopathy*. Society for the Scientific Study of Psychopathy, Chicago, IL.
302. Kiehl, K.A. (2015, July). *The Science of Psychopaths*. University of Pisa, Pisa, Italy. Invited lecture.
303. Kiehl, K.A. (2015, July). *The Neuroscience of Criminal Psychopaths*. Annual Meeting of International Society of Law and Mental Health. Vienna, Austria. Invited lecture.

304. Kiehl, K.A. (2015, September). Panel Member. Summer Seminars in Philosophy and Neuroscience, Duke University, Durham, NC.
305. Kiehl, K.A. (2015, October). *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. (2015, October). *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. (2015, November). *The Neuroscience of Concussions*. Arizona State University Public Symposium on Concussions in Sports. Invited Speaker.
309. Kiehl, K.A. (2016, February). *Neuroprediction and the Law*. Fordham Law School, New York, NY. Invited Speaker.
310. Kiehl, K.A. (2016, March). *The Usual Suspects Magnetized: Neuroscience Goes to Court*. Duke University, Durham, NC. Invited Speaker.
311. Kiehl, K.A. (2016, June). *When Neuroscience and Law Collide*, International School for Advanced Studies (IMT), Lucca, Italy. Invited Speaker.
312. Kiehl, K.A. (2016, June). *Criminological Sciences: Prediction of Antisocial Behavior*. IALM, Intersocietal Symposium. Venice, Italy. Invited Keynote Speaker.
313. Kiehl, K.A. (2016, June). *Neuroscience and Law: Case Studies*. University of Padova, Venice, Italy. Invited Speaker.
314. Kiehl, K.A. (2016, November). *When neuroscience and law collide*. University of Utah Law School, Salt Lake City, UT. Invited Speaker.
315. Kiehl, K.A. (2017, April). *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. (2017, May). *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. (2017, May). *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. (2017, May). 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. (2017, January). *The Utility of MRI in Mental Health, Forensics and Sports.* University of Nebraska, Lincoln, NE. Invited lecture.
 320. Kiehl, K.A. (2017, February). *Neuroimaging and the Law: Past, Present and Future.* Invited keynote at the American College of Psychiatry Annual Meeting, Phoenix, Az.
 321. Kiehl, K.A. (2017, February). *Neuroscience and law: Case studies.* Invited lecture at ASU law school. Phoenix, Az.
 322. Kiehl, K.A. (2017, March). *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. (2017, April). *Case studies in neuroscience and law.* Invited presentation by the students of the Vanderbilt University Law School. Nashville, TN.
 324. Kiehl, K.A. (2017, April). *Psychopaths and the law.* Invited presentation by Dr. Own Jones, Professor of Law, Vanderbilt University. Nashville, TN.
 325. Kiehl, K.A. (2017, April). *All you wanted to know about psychopaths!* Invited presentation to the Albuquerque chapter of retired military officers. Albuquerque, NM.
 326. Kiehl, K.A. (2017, May). *Neuroscience of the criminal psychopath.* University of Leige, Belgium. Invited lecture.
 327. Kiehl, K.A. (2017, May). *Machine learning in the forensic system.* European Association of Psychology and Law. Mechelen, Belgium. Invited speaker.
 328. Kiehl, K.A. (2017, September). *Past, present and future of neuroscience and law.* Department of Psychiatry, University of Toronto, Toronto, ON, Canada. Invited lecture.
 329. Kiehl, K.A. (2018, January). *(Neuro)Prediction of Antisocial Behavior.* Invited speaker. Winter Conference on Neuroplasticity. Curacao, Dutch Antilles.
 330. Kiehl, K.A. (2018, February). *(Neuro)Prediction of Antisocial Behavior.* Albuquerque chapter of the Federal Bureau of Investigation. Albuquerque, NM, Invited speaker.
 331. Kiehl, K.A. (2018, March). *Past, present and future of neuroscience and law.* Tulane University Forensic Psychiatry Meeting, New Orleans, NO. Invited keynote speaker.
 332. Kiehl, K.A. (2018, May). *Neuroscience and the law: Past, present, and future.* Mt. Sinai Medical School, New York, NY, Invited Lecture.

333. Kiehl, K.A. (2018, June). Panel presenter, Machine learning in forensic contexts, DARPA L2M Project meeting, Chicago, IL.
334. Sajous-Turner, A., Anderson, N.E., Widdows, M., Prashanth Nyalakanti, Keith Harenski, Carla Harenski, Michael Koenigs, Jean Decety & Kent A. Kiehl. (2018, November) *Aberrant brain gray matter in murderers*. Poster presentation at the Annual Biomedical Research Conference for Minority Students (ABRCMS) in Indianapolis, Indiana.
335. Ulrich, D. M., Nyalakanti, P. K., Kiehl, K. A. (2018, November). *Gray matter correlates of emotional intelligence in incarcerated offenders*. Poster presented at Society for Neuroscience, San Deigo, California.
336. Edwards, B.G. (2019, May). Development of an expert-rater assessment of trauma history in a high-risk youth forensic sample. In K.A. Kiehl (Chair), *Psychopathy and trauma: Addressing subtypes, sex differences, construct measurement, and neuroscience in incarcerated samples*. Symposium conducted at the 8th Biennial Meeting of the Society for the Scientific Study of Psychopathy, Las Vegas, NV.
337. Mitchell-Somoza, A., Carre, J., Cazala, F., Greenfield, D.N., Thornton, D.M., Decety, J., Kiehl, K.A., & Harenski, C.L. (2019, May). *Moral intuitions and empathic dispositions in incarcerated sexual offenders with sadistic traits*. Poster presented at the 8th Biennial Conference for the Society for the Scientific Study of Psychopathy, Las Vegas, NV.
338. Reynolds, B., Maurer, J., Cook, A., Kiehl, K. (2019, May). *The relationship between psychopathic traits and risky sexual behavior in incarcerated adult male offenders*. Poster presented at the 8th biennial meeting for the Society for the Scientific Study of Psychopathy, Las Vegas, NV.
339. Sajous-Turner, A., Anderson, N.E., Widdows, M., Prashanth Nyalakanti, Keith Harenski, Carla Harenski, Michael Koenigs, Jean Decety & Kent A. Kiehl. (2019, May) *Aberrant brain gray matter in murderers*. Poster presentation at the Society for the Scientific Study of Psychopathy in Las Vegas, Nevada.
340. Ulrich, D. M., Gonsalves, M., Kiehl, K. A. (2019, May). *Psychopathy subtypes predict emotional intelligence in incarcerated offenders*. Poster presented at Society for the Scientific Study of Psychopathy, Las Vegas, Nevada.
341. Edwards, B.G., Reynolds, B., Mills, J.L., Verona, E., & Kiehl, K.A. (2020, March). *Psychopathy and substance use in relation to prostitution and pimping among women offenders*. Poster session presented at the American Psychology-Law Society Annual Conference, New Orleans, LA.
342. Anderson, N.E., Sajous-Turner, A., Prashanth Nyalakanti, Keith Harenski, Carla Harenski, Michael Koenigs, Jean Decety & Kent A. Kiehl. (2020, March) *Time in prison accompanies gray matter increases, may reflect recovery from substance use*. Poster presentation at the American Psychology and Law Society in New Orleans, Louisiana
343. Ulrich, D. M., Gullapalli, A., Reynolds, B. L., Weiss, G. L., Harenski, C. L., Kiehl, K. A. (2020, March). *Predicting adult recidivism using the PCL-YV: A longitudinal study of*

high-risk adolescents. Poster presented at American Psychology-Law Society Annual Conference, New Orleans, Louisiana.

344. Kiehl, K.A. (2020, July). *Psychopathy and Law*. Guest zoominar to IMT Scuola Alti Studi Lucca, Lucca, Italy.
345. Kiehl, K.A. (2022, March). *Perspectives of forensic neuroimaging*. Keynote speaker, Winter School Ethics of Neuroscience and AI, Berlin School of Mind and Brain, *Humboldt-Universität zu Berlin (HU Berlin)*. Invitation, Professor John-Dylan Haynes. Berlin, Germany.
346. Add keynote at New Mexico Judicial Conclave (2025)
347. Kiehl, K.A. (2024). Add keynote in Germany.
348. Kiehl, K.A. (2025). Add keynote in Auburn U.
349. Kiehl, K.A. (2025). Add keynote in Northwestern University

Last updated 09/30/2024.