

## Curriculum Vitae

### FRANCIS X. SHEN

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**Bio:** Francis X. Shen, JD, PhD is an Associate Professor in the Harvard Medical School Center for Bioethics and MGH Department of Psychiatry. He is also a University Affiliated Professor at Harvard Law School, and faculty member in the MGH Center for Law, Brain & Behavior. Dr. Shen received his B.A. from the University of Chicago, his J.D. from Harvard Law School, and his Ph.D. from Harvard University. Dr. Shen is building the new field of law and neuroscience, and conducts empirical, legal, and ethical research to examine how insights from neuroscience and artificial intelligence can make the legal system more just and effective. He also explores the ethical, legal, and social implications of advances in neurotechnology. He has co-authored 3 books, including the first Law and Neuroscience casebook (Aspen, with Jones and Schall), with a 4<sup>th</sup> book under contract with MIT Press / Penguin Random House and a 5<sup>th</sup> book currently under review at Oxford Press. In 2021, he was awarded the Early Career Scholars Medal by the American Law Institute, one of two medals awarded every other year by the ALI. In announcing the award, the ALI recognized Francis as “a pioneer in establishing the interdisciplinary field of law and neuroscience.”

## EDUCATION

### Harvard University, Cambridge, MA

Ph.D. in Government and Social Policy (2008)

Dissertation: *Essays in Political Science, Psychology, and Law*, two papers in each discipline, original psychology experiments; 550 pages

Committee: Steven Pinker (Psychology); Jennifer Hochschild (Political Science, chair), Jon Hanson (Harvard Law School), David Rosenberg (Harvard Law School)

### Harvard Law School, Cambridge, MA

J.D., *cum laude* (2006)

### University of Chicago, Chicago, IL

B.A. in Economics & in English (2000); Highest Honors, Dean’s List, Phi Beta Kappa

## Additional Training

### NYC Transcranial Direct Current Stimulation (tDCS) Fellowship Program 2015

(November 2015)

**ERP and EEG Mini Boot Camp**, Dr. Steven Luck at University of Minnesota (Feb 2013)

**Intensive Summer Institute in Neuroscience**, Univ. of Pennsylvania Center for Neuroscience & Society (August 2009)

**Summer Institute in Cognitive Neuroscience**, Univ. of California, Santa Barbara (July 2009)

**Univ. of Chicago Computer Science Professional Program**, Selected coursework (Spring 2001)

## **EMPLOYMENT & AFFILIATIONS**

### **Harvard Medical School**

*Faculty Member, Center for Bioethics, 2022 – Present*

*Faculty Member, MGH Department of Psychiatry, 2022 – Present*

*Courses: Neuroethics; Law, Ethics & Neuroscience; Bioethics, Bias & Justice; Bioethics & Artificial Intelligence*

### **Harvard Law School**

*Harvard University Affiliated Professor, 2022 – Present*

### **University of Minnesota, Minneapolis, MN**

*Professor of Law, 2020 – 2022*

*Courses: Criminal Law; Evidence; Law & Neuroscience; Law & Artificial Intelligence; Introduction to American Law; Sports Concussions & the Law; Education Law & Policy; Student Speech*

*Associate Professor of Law (with tenure), 2017 – 2020*

*McKnight Presidential Fellow, July 2017 – 2021*

*Associate Professor of Law, 2012 – 2017*

*McKnight Land Grant Professor, 2014 – 2016*

*Faculty Member, Graduate Program in Neuroscience, 2017 – 2022*

*Affiliated Faculty, Center for Cognitive Sciences, 2013 – 2022*

*Affiliated Faculty, Institute for Engineering in Medicine, 2014 – 2022*

*Affiliated Faculty, Consortium on Law and Values in Health, Environment & the Life Sciences, 2013 – 2022*

*Affiliated Faculty, Center for the Study of Political Psychology, 2014 – 2022*

*Affiliated Faculty, Department of Political Science, 2016 – 2022*

*Member, MRI Users Group, 2013 – 2022*

*Law School Re2022ative, University of Minnesota Faculty Senate, 2016 – 2022*

### **Yale Law School, New Haven, CT**

*Florence Rogatz Visiting Professor of Law, Fall 2020*

*Courses: Criminal Law*

### **Harvard Massachusetts General Hospital Center for Law, Brain, and Behavior**

*Executive Director, December 2018 – June 2021*

*Affiliated Faculty Member, September 2016 – Present*

*Courses: Law and Neuroscience*

### **Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics at Harvard Law School, and Center for Law, Brain & Behavior at Massachusetts General Hospital**

*Senior Fellow in Law and Applied Neuroscience, 2017 – 2020*

### **Neuroethics Subgroup of the National Institutes of Health Advisory Committee to the Director**

#### **BRAIN Initiative Working Group**

*Member, 2018 – 2019*

### **Law & the Cognitive Sciences Book Series, Cambridge University Press**

*Co-editor with Bartosz Brożek, Jaap Hage, Nicole Vincent, 2018 – Present*

**Virginia Tech College of Neuroscience**

*Visiting Professor, Fall 2017 (teaching Law and Neuroscience)*

**National Conference of Lawyers and Scientists, American Association for the Advancement of Science & American Bar Association**

*Member, 2017 – Present*

**Harvard Law School Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics**

*Visiting Scholar, January – May 2015*

**National Courts and Science Institute**

*Member, Board of Scientific Advisors, May 2015 – Present*

**Tulane University Law School, New Orleans, LA**

*Visiting Assistant Professor, July 2011 – June 2012*

*Courses: Law and the Brain; Education Law and Policy*

**Vanderbilt University Law School, Nashville, TN**

*Associate Director, MacArthur Foundation Law and Neuroscience Project, July 2010 – June 2011*

*Visiting Scholar, April 2010 – June 2011*

**University of California, Santa Barbara, Santa Barbara, CA**

*Research Fellow, MacArthur Foundation Law and Neuroscience Project, July 2009 – June 2010*

**Harvard University Department of Government, Cambridge, MA**

*Lecturer, July 2008 - June 2009*

*Courses: How to Win Elections (original course); The Internet Lobby (led independent study)*

*Asst. Dir. of Undergraduate Studies, July 2008 - June 2009*

*Teaching Fellow, January 2007 - June 2008*

*Concentration Advisor, Sept 2003 - June 2006*

**Consulting**

**Statistical Consultant in Education Policy and Law (Independent Contractor)**

Past clients include: Vanderbilt University Center on School Choice, Competition & Achievement; Brown University Project on Mayors and Urban School Governance; National Science Foundation Math and Science Partnership; Partners in Public Education (Memphis); The Mind Trust (Indianapolis).

**HONORS AND RECOGNITION**

- 2021** American Law Institute, Emerging Career Scholars Medal (two medals awarded every other year, recognizing outstanding law professors whose work is relevant to public policy and has the potential to influence improvements in the law)
- 2021** Radcliffe Institute for Advanced Study at Harvard University, Exploratory Seminar, “Ensuring Justice and Equity as Psychiatry Embraces Boundless Data and Artificial Intelligence to Treat Mental Illness” (Spring 2022)

- 2019** Outstanding Poster Award, International Neuroethics Society Meeting 2019
- 2018** University of Minnesota Institute for Advanced Study Residential Faculty Fellowship (spring 2019)
- 2017** University of Minnesota McKnight Presidential Fellowship (University-wide competition: awarded to five most promising newly tenured faculty members at the University of Minnesota)
- 2014** University of Minnesota McKnight Land-Grant Professorship Award (awarded to promising junior faculty members for their originality and innovation in research) Selected to present at University of Minnesota Minne-College (Scottsdale, Arizona) (University-wide competition)
- 2012 – Present** Executive Director of Education and Outreach, and Associate Member, MacArthur Foundation Research Network on Law and Neuroscience
- 2011** Stone Scholar, American Political Science Association, Urban Politics Division
- 2007 - 2009** Certificate of Distinction for Excellence in Teaching by the Derek Bok Center at Harvard University (awarded for each of five courses taught or TF-ed)
- 2006** Harvard Law School Summer Academic Fellow; European Network on Inequality Traveling Fellow (Madrid, Spain)
- 2003 - 2008** Graduate Student Fellow, Harvard University Multidisciplinary Program in Inequality & Social Policy
- 2000** Phi Beta Kappa (elected Junior year); Selected by University of Chicago President as Student Marshal – Highest honor conferred by the Univ. of Chicago upon undergraduate students; Maroon Key Society – academic achievement and contributions to campus life; Chair of Fire Escape Productions (student filmmaking)
- 1997-1999** State Farm “Exceptional Student” Fellowship; Track & Field MVP and Varsity Captain: 1997-98, 1998-99; NCAA Div. III National Outdoor Track & Field Championships, 1999
- 1996** University of Chicago College Honors Scholarship; USA-Today Academic All-American First Team – Top 20 students in nation; Coca-Cola Scholar Fellowship – 150 selected from pool of 120,000

## RESEARCH AND SCHOLARSHIP

### GRANTS EXPERIENCE

#### Current Research Support

##### **NIH RF1MH123698**

F.X. Shen (Contact PI), S.M. Wolf, F. Lawrenz (PIs), 08/07/20-08/06/24

*Highly Portable and Cloud-Enabled Neuroimaging Research: Confronting Ethics Challenges in Field Research with New Populations*

Major Goals: This innovative 4-year project will convene a national Working Group of top neuroethics, neurolaw, and neuroscience experts to conduct empirical research and generate evidence-based consensus recommendations for the ethical conduct of research using highly portable, cloud-enabled MRI with new and diverse populations in field settings. (\$1,597,154)

##### **Dana Foundation**

G. Lázaro-Muñoz (PI), F.X. Shen (PI), T. Williamson (PI), 9/1/2022-8/31/2023

*Planning Grant for the Dana Foundation Center for Neuroscience & Society*

Major Goals: This grant provides support for three complementary streams: the Law and Neuroscience Bibliography, founded and hosted by the MacArthur Foundation Research Network on Law and Neuroscience; the Neurolaw News, an email newsletter, providing critical updates in the bibliography, events, opportunities, and also curated by the Research Network; and a new Case Updates series disseminated by the MGH Center for Law, Brain & Behavior. (\$149,996)

##### **Dana Foundation**

F.X. Shen (PI), 9/1/2022-8/31/2023

*Career Network in Neuroscience & Society*

Major Goals: This grant will create the Dana Foundation Career Network in Neuroscience & Society to expand and diversify the next generation of neuroscience and society students, practitioners, and scholars. (\$100,064)

##### **Dana Foundation**

F.X. Shen (PI), 8/17/2020-5/31/2021; renewed for 6/1/2021-12/31/2022

*Sustaining and Expanding the Law and Neuroscience Bibliography*

Major Goals: The major goals of this grant are to help sustain and expand the Law and Neuroscience Bibliography and Neurolaw News, and support a new initiative to provide updates on new cases at the intersection of law and neuroscience. (\$42,000; \$50,000)

#### Completed Research Support

##### **NIH 3U01EB025153-02S2**

F. Shen (Suppl PI), S. Wolf, M. Garwood (Parent project PIs) 08/27/19-06/30/20

*Imaging Human Brain Function with Minimal Mobility Restrictions, Supplement--Bioethics*

This bioethics supplement integrates neuroethics senior personnel into development of highly portable MRI, a high-impact emerging technology raising major ethical and legal issues. This supplement specifically focuses on international ELSI issues. Role: Supplement PI (\$151,394)

##### **NIH 1U01MH116925-01**

J.T. Baker (Project PI) B. Silverman, F. Shen (Supplements PIs) 09/09/19-06/30/20

*Robust Predictors of Mania and Psychosis, Supplement--Bioethics*

This bioethics supplement integrates senior bioethics personnel into the parent grant's development of novel computational phenotyping methods to assess and predict adverse mental health outcomes. The ELSI analysis focuses on NIMH bioethics priority areas of privacy, consent capacity, and use of predictive analytics based on large-scale, longitudinal data collection. Role: Supplement PI (\$173,908)

**NIH 301EB025153-03S1**

M. Garwood (Project), F. Shen (Supplement) 09/18/18-06/30/19

*Imaging Human Brain Function with Minimal Mobility Restrictions, Supplement--Neuroethics*

This administrative supplement extends the integration of senior bioethics personnel into the parent grant's development of a highly portable MRI device to conduct ethical and legal analysis of highly accessible MRI in international contexts. Role: Supplement PI (\$153,880)

**Internal Univ. of Minnesota, Grand Challenges Grant**

F. Shen, T. Nelson, C. Lenglet, B. Jagadeesan (PIs) 11/01/16-10/31/18

*Toward a Minnesota Model for Brain Health in Youth Sports*

This UMN Grand Challenges project integrated six researchers across five different units, all focused on various aspects of traumatic brain injury. The project conducted a study on the implementation of Minnesota's 2011 sports concussion law and on current practices in the identification, evaluation, and treatment of youth sports concussions. Role: Lead PI (\$48,000)

**MacArthur Foundation Research Network on Law and Neuroscience**

O. Jones (PI) 07/01/12-06/30/17

This grant addressed a focused set of closely-related problems at the intersection of neuroscience and criminal justice: 1) investigating law-relevant mental states of, and decision-making processes in, defendants, witnesses, jurors, and judges; 2) investigating in adolescents the relationship between brain development and cognitive capacities; and 3) assessing how best to draw inferences about individuals from group-based neuroscientific data. Role: Network Member; Dir. of Education & Outreach Activities

**Additional Grants Experience:**

- 2014:** University of Minnesota Institute for Advanced Study (IAS), Research Collaborative on Initiative on Governance of Emerging Technological Systems (\$10,800)
- 2013:** University of Minnesota Institute for Diversity, Equity, and Advocacy (IDEA) Multicultural Research Award (\$4,790)
- 2011:** MacArthur Foundation Research Network on Law and Neuroscience (\$4.8 million) (Provided extensive support to PI Owen Jones for development of successful grant)
- 2010-2011:** MacArthur Foundation Law and Neuroscience Project Sub-Award, "Neuroscience In The Legislature: Politics, Policy, And Possibility" (PI) (\$10,000)
- 2010-2011:** MacArthur Foundation Law and Neuroscience Project Sub-Award, "How Will Neuroscience Affect the Law?: The Influence of Issue Framing on Public Policy Support" (Co-PI, with Dena Gromet) (\$10,000)
- 2010:** MacArthur Foundation Law and Neuroscience Project Sub-Award, "The State Of Law And Neuroscience Scholarship: A Bibliography And Critical Synthesis" (Co-PI, with Owen Jones) (\$3,000)
- 2009:** Smith-Richardson Foundation grant to study mayoral control of urban school districts (with Kenneth Wong) (\$150,000)
- 2004:** U.S. Department of Education grant for National Center on School Choice (Provided extensive support to PI Kenneth Wong for development of grant) (\$10 million)

## PUBLICATIONS IN LAW, ETHICS, PSYCHOLOGY & NEUROSCIENCE

### COURSEBOOK

[LAW AND NEUROSCIENCE](#) (2020, 2<sup>nd</sup> ed, Aspen Publishers) (with Owen Jones and Jeffrey Schall) (900 pages; first coursebook on law and neuroscience, 1<sup>st</sup> ed. published in 2014)  
<http://www.psy.vanderbilt.edu/courses/neurolaw>

### ARTICLES

[An Ethics Checklist for Digital Health Research in Psychiatry](#), 24 JMIR e31146 (2022) (with Benjamin C. Silverman, Patrick Monette, Sara Kimble, Scott L. Rauch & Justin T. Baker)

[Justice for Emerging Adults after Jones: The Rapidly Developing Use of Neuroscience to Extend Eighth Amendment Miller Protections to Defendants Ages 18 and Older](#) (lead author with: Fenella McLuskie, Erin Shortell, Mariah Bellamoroso, Elizabeth Escalante, Brenna Evans, Ian Hayes, Clarissa Kimmey, Sarah Lagan, Madeleine Muller, Jennifer Near, Kailey Nicholson, Job Okeri, Ifeoma Okoli, Emily Rehmet, Nancy Gertner & Robert Kinscherff), 97 N.Y.U. L. REV. ONLINE 101(2022).

[Emerging Ethical Issues Raised by Highly Portable MRI Research in Remote and Resource-Limited International Settings](#) (lead author with: Susan M. Wolf, Supriya Bhavnani, Sean Deoni, Jed Elison, Damien Fair, Sairam Geethanath, Mike Garwood, Michael Gee, Kendrick Kay, Kelvin Lim, Georgia Lockwood-Estrin, Monica Luciana, David Peloquin, Karen Rommelfanger, Noline Schiess, Khan Siddiqui, Efraín Torres; J. Thomas Vaughan), 238 NEUROIMAGE 118210 (2021)

[Teaching Law & Artificial Intelligence](#), 22 Minn. J. L. Sci. & Tech 23 (2021) (with Brendan Johnson).

[Quasi-Professional Negligence: A New Standard of Care for Volunteer Youth Sports Coaches](#), 20 Va. Sports & Ent. L.J. 127 (2021) (with Warren Cormack, Joseph Graen & Jennifer Novo).

[The American Public Is Ready to Accept Human-Animal Chimera Research](#), 15 STEM CELL REPORT 804 (2020) (with Andrew T. Crane, Jennifer L. Brown, Warren Cormack, Mercedes Ruiz-Estevéz, Joseph P Voth, Tsutomu Sawai, Taichi Hatta, Misao Fujita & Walter C Low)

[Litigation Risks Despite Guideline Adherence for Acute Spinal Cord Injury: Time is Spine](#), 49 NEUROSURGICAL FOCUS E17 (2020) (with Daniel Rafter, Ranveer Vasdev, Duncan Hurrelbrink, Mark Gormley III, Tabitha Chettupally, Uzma Samadani)

[Ethical Issues Posed by Field Research Using Highly Portable and Cloud-Enabled Neuroimaging](#), 105 NEURON 771 (2020) (with Susan Wolf, Michael Garwood, Gilberto Gonzalez).

[Aging Judges](#), 81 OHIO STATE LAW JOURNAL 235 (2020).

[Factors Affecting Peak Impact Force During Soccer Headers and Implications for the Mitigation of Head Injuries](#), 15 PLOS One e0240162 (2020) (with Eric Nauman, Joshua Auger, Justin Markel, Dimitri Pecoski, Nicolas Leiva-Molano, Thomas Talavage, Larry Leverenz)

- [\*The Intersection of Age and Gender on the Bench: Are Younger Female Judges Harsher With Serious Crimes?\*](#), 40.1 COLUM. J. GENDER & L. 128 (2020) (with Morris B. Hoffman, Frank Krueger, and Vijeth Iyengar).
- [\*The Failure of Youth Sports Concussion Laws and the Limits of Legislating Health Education\*](#), 19 YALE JOURNAL OF HEALTH POLICY, LAW, AND ETHICS 1 (2019) (with Sydney Diekmann, Carly Rasmussen & Christine Egan) [co-authors are students in my Lab]
- [\*Neuroscience, Artificial Intelligence and the Case against Solitary Confinement\*](#), 21 VANDERBILT JOURNAL OF ENTERTAINMENT & TECHNOLOGY LAW 937 (2019)
- [\*Human-Animal Neurological Chimeras: Humanized Animals or Human Cells in an Animal?\*](#), 37 STEM CELLS 444 (2019) (with Andrew T. Crane, Joseph P. Voth & Walter C. Low)
- [\*Proceedings from the Ice Hockey Summit III: Action on Concussion\*](#), 3 EXERCISE MEDICINE 1 (2019) (with Aynsley M Smith et al).
- [\*How Dangerous are Youth Sports for the Brain?: A Review of the Evidence\*](#), 7 BERKELEY JOURNAL OF ENTERTAINMENT & SPORTS LAW 67 (2018) (with Carly Rasmussen, Sydney Diekmann, Christine Egan & Tyler Johnson) [all co-authors are students in my Lab]
- [\*Are Youth Sports Concussion Statutes Working?\*](#), 56 DUQUESNE UNIV. LAW REVIEW 7 (2018) (Symposium issue: Traumatic Brain Injury and Law)
- [\*Decoding Guilty Minds: How Jurors Attribute Knowledge and Guilt\*](#), 71 VANDERBILT L. REV. 241 (2018) (with Matthew R. Ginther, Richard J. Bonnie, Morris B. Hoffman, Owen D. Jones, René Marois & Kenneth W. Simons)
- [\*Minority Mens Rea: Racial Bias and Criminal Mental States\*](#), 68 HASTINGS L. J. 1007 (2017)
- [\*The Limited Effect of Electroencephalography Memory Recognition Evidence on Assessments of Defendant Credibility\*](#), 4 JOURNAL OF LAW & THE BIOSCIENCES 330 (2017) (with Emily Twedell, Jaleh McTeigue, Caitlin Opperman, Joshua Preston, Jordan Krieg, Mikaela Brandt-Fontaine, Alina Yasis & Morgan Carlson)
- [\*Law and Neuroscience 2.0\*](#), 48 ARIZ. ST. L.J. 1043 (2017) (Symposium issue: Evolutionary Analysis in Law); Reprinted in Spanish as: *Derecho Y Neurociencia 2.0*, in [DERECHO Y NEUROCIENCIA](#) 11 (GABRIEL USCAMAYTA ED., 2022)
- [\*The Overlooked History of Neurolaw\*](#), 85 FORDHAM L. REV. 667 (2016) (Symposium issue: Criminal Behavior and the Brain)
- [\*Parsing the Behavioral and Brain Mechanisms of Third-Party Punishment\*](#), 36 JOURNAL OF NEUROSCIENCE 9420 (2016) (with Matthew R. Ginther, Richard J. Bonnie, Morris B. Hoffman, Owen D. Jones, René Marois & Kenneth W. Simons)
- [\*Neurolegislation: How U.S. Legislators are Using Brain Science\*](#), 29 HARVARD J. LAW AND TECH. 495 (2016)



- [\*Invisible Inequality: The Two Americas of Military Sacrifice\*](#), 46 MEMPHIS L. REV. 545 (2016) (with Douglas L. Kriner)
- [\*Red States, Blue States, and Brain States: Issue Framing, Partisanship, and the Future of Neurolaw in the United States\*](#), 658 ANNALS AM. ACAD. POL. & SOC. SCI. 86 (2015) (with Dena B. Gromet)
- [\*Sentencing Enhancement and the Crime Victim's Brain\*](#), 46 LOY. U. CHI. L.J. 405 (2014) (invited article)
- [\*The Language of Mens Rea\*](#), 67 VAND. L. REV. 1327 (2014) (with Matthew R. Ginther, Richard J. Bonnie, Morris B. Hoffman, Owen D. Jones, René Marois & Kenneth W. Simons)
- [\*Mind, Body, and the Criminal Law\*](#), 97 MINN. L. REV. 2036 (2013)
- [\*Neuroscience, Mental Privacy, and the Law\*](#), 36 HARV. J.L. & PUB. POL'Y 653 (2013) (invited article)
- [\*Rape, Money, and the Psychology of Taboo\*](#), 43 J. OF APPLIED SOC. PSYCH. 1015 (2013)
- [\*Legislating Neuroscience: The Case of Juvenile Justice\*](#), 46 LOY. L.A. L. REV. 981 (2013) (invited article)
- [\*Sorting Guilty Minds\*](#), 86 N.Y.U. L. REV. 1306 (2011) (with Morris B. Hoffman, Owen D. Jones, Rene Marois, Joshua D. Greene)
- [\*How We Still Fail Rape Victims: Reflecting on Responsibility and Legal Reform\*](#), 22 COLUM. J. GENDER & L. 1 (2011)
- [\*Law and Neuroscience: Possibilities for Prosecutors\*](#), 33 CDAA PROSECUTOR'S BRIEF 17 (2011) (invited essay)
- [\*Brain Scans as Evidence: Truths, Proofs, Lies, & Lessons\*](#), 62 MERCER L. REV. 861 (Symposium issue: Brain Sciences in the Courtroom) (2011) (with Owen D. Jones); Reprinted in Portuguese in: O DIREITO E SUAS INTERFACES COM A PSICOLOGIA E A NEUROCIÊNCIA (SERGIO NOJIRI, ED. 2019).
- [\*The Overlooked Utility of the Defendant Class Action\*](#), 88 DENVER UNIVERSITY LAW REVIEW 73 (2010)
- [\*The Law and Neuroscience Bibliography: Navigating the Emerging Field of Neurolaw\*](#), 38 INTERNATIONAL JOURNAL OF LEGAL INFORMATION 352 (2010)

### **BOOK CHAPTERS**

- [\*Law and Neuroscience in the United States\*](#), in INTERNATIONAL NEUROLAW – A COMPARATIVE ANALYSIS (Tade Spranger ed., 2012) (with Owen D. Jones)
- [\*Monetizing Memory Science: Neuroscience and the Future of PTSD Litigation\*](#), in MEMORY AND THE LAW (Lynn Nadel & Walter Sinnott-Armstrong eds., 2012)

### **REVIEWS & ESSAYS**

- [\*A Historic Opportunity to Update Asylum Law's Outdated Assumptions About Trauma and Memory\*](#)

(with Erin Shortell, Aldis H. Petriceks, Judith G. Edersheim), 174 *Ann Intern Med* 1163 (2021).

[\*Racial Injustice and Neuroethics: Time for Action\*](#), 11 *AJOB Neuroscience* 212 (2020)

[\*The Legal Implications of Early Alzheimer's Detection\*](#), *AMA JOURNAL OF ETHICS*, 18 *AMA JOURNAL OF ETHICS* 1207 (2016) (with Joshua Preston, Jaleh McTeigue, Caitlin Opperman, Jordan Krieg, Mikaela Brandt-Fontaine & Alina Yasis) (short essay)

[\*Neuroscientific Evidence as Instant Replay\*](#), 3 *J. LAW & BIOSCIENCES* 343 (2016) (review essay)

[\*Keeping Up With Neurolaw\*](#), 50 *CT. REV.* 104 (2014) (short summary of neurolaw resources)

[\*Commentary on THE ANATOMY OF VIOLENCE by Adrian Raine\*](#), *Washington Independent Review of Books* (February 2014)

## **PUBLICATIONS IN POLITICAL SCIENCE & EDUCATION**

### **BOOKS**

[\*THE CASUALTY GAP: THE CAUSES AND CONSEQUENCES OF AMERICAN WARTIME INEQUALITIES\*](#) (Oxford Univ. Press 2010) (with Douglas L. Kriner)

[\*THE EDUCATION MAYOR: IMPROVING AMERICA'S SCHOOLS\*](#) (Georgetown Univ. Press 2007) (with Kenneth K. Wong, Dorothea Anagnostopoulos, & Stacey Rutledge)

### **ARTICLES**

[\*Battlefield Casualties and Ballot Box Defeat: Did the Bush-Obama Wars Cost Clinton the White House?\*](#), *PS: POLITICAL SCIENCE & POLITICS* (2020) (with Douglas L. Kriner) [this research featured in [Politico](#) and quoted in [New York Times](#)]

[\*Conscription, Inequality, and Partisan Support for War\*](#), 60 *JOURNAL OF CONFLICT RESOLUTION* 1419 (2016) (with Douglas L. Kriner)

[\*Responding to War on Capitol Hill: Battlefield Casualties, Congressional Response, and Public Support for the War in Iraq\*](#), 58 *AMERICAN JOURNAL OF POLITICAL SCIENCE* 157 (2014) (with Douglas L. Kriner)

[\*Reassessing American Casualty Sensitivity: The Mediating Influence of Inequality\*](#), 58 *JOURNAL OF CONFLICT RESOLUTION* 1174 (2014) (with Douglas L. Kriner)

[\*How Citizens Respond to Combat Casualties: The Differential Impact of Local Casualties on Support for the War in Afghanistan\*](#), 76 *PUBLIC OPINION QUARTERLY* 761 (2012) (with Douglas L. Kriner)

[\*Community Support for Mayoral Control Of Urban School Districts: A Critical Reexamination\*](#), 44 *EDUCATION AND URBAN SOCIETY* 342 (2012)

[\*Limited War and American Political Engagement\*](#), 71 *JOURNAL OF POLITICS* 1514 (2009) (with Douglas

L. Kriner)

[\*Iraq Casualties and the 2006 Senate Elections\*](#), 32 LEGISLATIVE STUDIES QUARTERLY 507 (2007) (with Douglas L. Kriner) (included in Wiley-Blackwell Exchanges, *The Changing Face of War*, Nov 2011)

[\*Measuring the Effectiveness of City and State Takeover as a School Reform Strategy\*](#), 78 PEABODY JOURNAL OF EDUCATION 89 (2003) (with Kenneth K. Wong)

Big City Mayors and School Governance Reform: The Case of School District Takeover, 78 PEABODY JOURNAL OF EDUCATION 5 (2003) (with Kenneth K. Wong)

Politics of State-Led Reform in Education: Market Competition and Electoral Dynamics, 16 EDUCATIONAL POLICY 161 (2002) (with Kenneth K. Wong)

### **BOOK CHAPTERS**

[\*Education Policy and Race\*](#), in OXFORD HANDBOOK ON RACIAL AND ETHNIC POLITICS IN AMERICA (Mark Sawyer, David Leal, & Taeku Lee, eds., 2014) (with Jennifer L. Hochschild)

*Education Mayors and Big City School Boards: New Directions, New Evidence*, in THE FUTURE OF SCHOOL BOARD GOVERNANCE: RELEVANCY AND REVELATION 441 (Thomas L. Alsbury, ed., 2008) (with Kenneth K. Wong)

*Charter Law and Charter Operation: Re-Examining the Charter School Marketplace*, in CHARTER SCHOOL OUTCOMES 131 (Mark Berends, Matthew G. Springer, & Herbert Walberg, eds., 2007) (with Kenneth K. Wong)

*Politics And Religion*, in DIVIDED STATES OF AMERICA - THE SLASH AND BURN POLITICS OF THE 2004 PRESIDENTIAL ELECTION (Larry Sabato, ed., 2005) (with Russell Muirhead, Nancy L. Rosenblum, & Daniel Schlozman)

*When Mayors Lead Urban Schools: Assessing The Effects Of Mayoral Takeover*, in BESIEGED: SCHOOL BOARDS AND THE FUTURE OF EDUCATION POLITICS 81 (William G. Howell, ed., 2005) (with Kenneth K. Wong)

*Political Economy of Charter School Funding Formulas: Exploring State-To-State Variation In Charter School Funding Formulas*, in POLITICS OF EDUCATION LAW: EFFECTS ON EDUCATION FINANCE 171 (Karen DeMoss & Kenneth K. Wong, eds., 2004) (with Kenneth K. Wong)

*Does Title I Money Matter? Federal Compensatory Funding And Student Achievement*, in EFFICIENCY, ACCOUNTABILITY, AND EQUITY ISSUES IN TITLE I SCHOOLWIDE PROGRAM IMPLEMENTATION 57 (Kenneth K. Wong and Margaret C. Wang, eds., 2002)

### **OTHER WRITINGS**

[\*Computational Psychiatry for Precision Sentencing in Criminal Law\*](#), Bill of Health, Harvard Law School Petrie-Flom Center, February 17, 2021

[\*How the Burden of Afghanistan Could Fall on Trump's Supporters\*](#), Politico Magazine, July 23, 2018  
(with Douglas L. Kriner)

[\*You Can Love the Brain and Football Too\*](#), Op-Ed in Minneapolis Star-Tribune, January 31, 2018.

[\*Dementia and the Law\*](#), Remarks at Harvard Law School Petrie-Flom Center Annual Year in P/Review 2017-18, January 22, 2018

[\*When Science and Politics Collide\*](#), online webinar sponsored by SAGE Social Science Space and the American Academy of Political and Social Science, May 14, 2015

[\*Neuroscience is Coming to the Law. Can We Keep Politics Out of It?\*](#), Op-Ed in Washington Post, February 25, 2015

[\*Chicago Wants An Elected School Board: Here's What Needs To Happen Now\*](#), Op-Ed in Crain's Chicago Business, February 26, 2015

[\*For Better Minneapolis Schools, Embrace Mayoral Control\*](#), Op-Ed in Minneapolis Star-Tribune, Sept. 19, 2013

*When Elected School Boards Disappear*, LIVING EDUCATION EMAGAZINE, Summer 2013.

[\*America's "Casualty Gap"\*](#), Op-Ed in LOS ANGELES TIMES, May 28, 2010, at A25 (with Douglas L. Kriner)

[\*Mayors Can Be 'Prime Movers' Of Urban School Improvement\*](#), EDUCATION WEEK, October 14, 2009  
(with Kenneth K. Wong)

*Assessing Charter School Performance In Illinois: A Pilot Study Using Error-Band Analysis*, NATIONAL CENTER ON SCHOOL CHOICE WORKING PAPER (April 2007) (with Kenneth K. Wong)

*Baseball's What We Need*, Op-Ed in ST. LOUIS POST-DISPATCH, October 26, 2004, at C15

*An Evaluation Of Intradistrict Equity In Massachusetts*, PIONEER INSTITUTE FOR PUBLIC POLICY (2003)  
(with Martin R. West)

*Does School District Takeover Work? Assessing The Effectiveness Of City And State Takeover As A School Reform Strategy*, Spring 2002 THE STATE EDUCATION STANDARD 19 (2002) (with Kenneth K. Wong)

*Can School District Takeover Work? Assessing The Effectiveness Of City And State Takeover As A School Reform Strategy*, ERIC / CUE DIGEST EDO-UD-02-3 (2002) (with Kenneth K. Wong)

*Can The States Address Equity And Innovation? Rethinking The State's Fiscal Role In Public Education*, GOVERNMENT FINANCE REVIEW October 2001 (with Kenneth K. Wong).

*Lessons From State's Charter Schools*, Op-Ed in GRAND RAPIDS PRESS, June 22, 2001, at A7 (with Kenneth K. Wong)

*No Clear Picture of Charter Schools*, Op-Ed in SAN DIEGO UNION-TRIBUNE, July 8, 2001 (with Kenneth K. Wong)

## **EDUCATION AND OUTREACH ACTIVITIES**

[\*Intimate Data: Ensuring Equity as Psychiatry Embraces Boundless Data and AI\*](#), Harvard Radcliffe Institute (Virtual) (2020) (co-organized with Benjamin Silverman)

[\*Justice and the Developing Brain\*](#), MGH CENTER FOR LAW, BRAIN & BEHAVIOR (Boston, MA) (2020) (Co-organizer of conference in partnership with Suffolk County District Attorney's Office, CPCS, More Than Words)

[\*Our Aging Brains: Decision-making, Fraud, and Undue Influence\*](#), MGH CENTER FOR LAW, BRAIN & BEHAVIOR; HARVARD LAW SCHOOL PETRIE-FLOM CENTER (Cambridge, MA) (2018) (Primary responsibility for conference organizing)

*Reinventing Reentry: Brain, Behavior, and Better Decision-Making*, MACARTHUR FOUNDATION RESEARCH NETWORK ON LAW AND NEUROSCIENCE & OREGON HEALTH & SCIENCES UNIVERSITY (Portland, OR) (2016) (Primary responsibility for curriculum planning and program execution for 85 attendees)

*Colloquium on Law, Neuroscience, & Criminal Justice*, MACARTHUR FOUNDATION RESEARCH NETWORK ON LAW AND NEUROSCIENCE & FEDERAL JUDICIAL CENTER (Vanderbilt Law School, Nashville, TN) (2014) (Primary responsibility for curriculum planning and program execution for 20 Federal judges)

*The Future of Law and Neuroscience*, MACARTHUR FOUNDATION RESEARCH NETWORK ON LAW AND NEUROSCIENCE & AMERICAN BAR ASSOCIATION (Chicago, IL) (2013) (Primary responsibility for curriculum planning and program execution for 100+ attendees)

*Colloquium on Law, Neuroscience, & Criminal Justice*, MACARTHUR FOUNDATION RESEARCH NETWORK ON LAW AND NEUROSCIENCE & FEDERAL JUDICIAL CENTER (Stanford Law School, Palo Alto, CA) (2013) (Primary responsibility for curriculum planning and program execution for 17 Federal judges)

## **PRESENTATIONS, PROCEEDINGS & INVITED TALKS**

*243 professional presentations / workshops*

### **PRESENTATIONS IN LAW / LAW & NEUROSCIENCE**

*Improving Global Mental Health with Accessible and Portable MRI: Ethical & Legal Challenges*, PRECURSOS COMPLEMENTARES EM MEDICINA, UNIVERSIDADE DO MINHO, ESCOLA DE MEDICINA (Virtual) (2022)

*What Can You Ethically and Legally Do with Psychiatric Tools Developed with Non-Representative Datasets?*, MCLEAN TECHNOLOGY IN PSYCHIATRY SUMMIT (Virtual) (2022)

*How to Punish: Applying Neuroscience Insights and Computational Psychiatry Tools in the Criminal Justice System*, UNIVERSITY OF VIRGINIA LAW SCHOOL (Charlottesville, VA) (2022)

*How Digital Psychiatry Can Revolutionize the Criminal Justice System*, TUFTS MEDICAL CENTER, PSYCHIATRY GRAND ROUNDS (Virtual) (2022)

*Neuroscience and the Law 101: Past, Present, and Future of this Dynamic Field*, HARVARD BRAIN SCIENCE INITIATIVE & CENTER FOR BRAIN SCIENCE (2022)

*We Are All Ethicists: Ethical and Legal Challenges for Digital Biomarkers*, REVERSE ENGINEERING OF DIGITAL MEASURES, FNIH & ETH ZURICH (Zurich, Switzerland) (2022)

*Ethical, Legal & Social Implications (ELSI) of Field-Based Human Neuroimaging Research Across the Lifespan*, NIH BRAIN ACROSS THE LIFESPAN WORKSHOP (Virtual) (2022)

*Lie Detection*, LAW & NEUROSCIENCE SEMINAR UNIVERSITY OF MINNESOTA LAW SCHOOL (Minneapolis, MN) (2022)

*Ethical, Legal & Social Implications (ELSI) of Portable MRI Research*, INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE WORKSHOP ON LOW FIELD MRI (Virtual) (2022)

*Ethical, Legal & Social Implications (ELSI) of Accessible and Portable MRI Research*, COLUMBIA UNIVERSITY BMEN 4000 (Virtual) (2022)

*Brain Scans for Everyone: Anticipating Ethical, Legal, and Social Implications (ELSI) and Equity, Diversity, and Inclusion (EDI) Challenges from Neuroimaging in the Real World*, HARVARD LAW SCHOOL PETRIE-FLOM CENTER (Virtual) (2022)

*From Precision Medicine to Precision Sentencing: A Roadmap for Applying Digital Health and Accessible Brain Imaging Technologies in Criminal Justice*, ARIZONA STATE UNIVERSITY SANDRA DAY O'CONNOR COLLEGE OF LAW (Phoenix, AZ) (2021)

*Neuroscience and the Law: Recent Updates and the Persistent Challenge of Individualization*, FEDERAL PRACTICE SEMINAR, FEDERAL BAR ASSOCIATION, MINNESOTA CHAPTER (Virtual) (2021)

*Precision Medicine for Precision Criminal Sentencing: A New Challenge for Psychiatry and Law*, STANFORD MEDICAL SCHOOL PSYCHIATRY GRAND ROUNDS (Virtual) (2021)

*Exploring Social Justice and Neuroethics* (panel participant), INTERNATIONAL NEUROETHICS SOCIETY ANNUAL MEETING (Virtual) (2021)

*Field-Based Research in Psychedelic Psychiatry: Anticipating Ethical, Legal, and Social Implications (ELSI) and Equity, Diversity, and Inclusion (EDI) Challenges*, MCLEAN TECHNOLOGY IN PSYCHIATRY SUMMIT (Virtual) (2021)

*Computational Justice: Can Low-Cost Brain Scans, Digital Health Technologies, and Artificial Intelligence Improve the Criminal Justice System?*, MACALESTER COLLEGE & MINNESOTA PSYCHOLOGICAL ASSOCIATION (2021)

*The Need for ELSI Guidance on Mobile Neuroimaging Technologies: Stakeholder Perspectives of Scientists Developing the Technologies* (with Frances Lawrenz, Susan M. Wolf, Michael Garwood), 2021 BRAIN INITIATIVE PRINCIPAL INVESTIGATORS MEETING (Virtual) (2021)

*Achieving Diversity, Equity and Inclusion in Neuroscience Research in Under-Served, Under-Resourced and Remote Settings*, 2021 BRAIN INITIATIVE PRINCIPAL INVESTIGATORS MEETING (Virtual) (2021)

*Research with Accessible and Field-Based MRI: Mapping the Ethical and Legal Issues*, COLUMBIA UNIVERSITY BMEN 4000 (Virtual) (2021)

[\*Ethical, Legal, and Social Implications of Deep Phenotyping\*](#) (symposium organizer), HARVARD LAW SCHOOL PETRIE-FLOM CENTER BILL OF HEALTH (Online) (2021)

*Teaching Law & Neuroscience*, MGH CENTER FOR LAW, BRAIN & BEHAVIOR (Virtual) (2021)

*Intimate Data, Portable Neurotechnology & Artificial Intelligence: New Opportunities for Ethics and Law to Shape the Future of Justice*, THE LEADERSHIP INITIATIVES: ADVANCED MEDICAL NEUROSCIENCE SUMMIT (Virtual, Georgetown) (2021)

*Brain Science and Criminal Justice: Promise, Peril, and a Path Forward*, SCIENCE POLICY GROUP, UC, BERKELEY (Virtual) (2021)

*Trauma, Truth and the Scientific Shortcomings of U.S. Asylum Law*, MCLEAN HOSPITAL (Virtual) (2021) (with Judith Edersheim)

*Law and Neuroscience: Choice and Responsibility*, SYRACUSE UNIVERSITY NEUROSCIENCE AND SOCIETY SEMINAR (2021)

[\*Why Every Story Is a Brain Story\*](#), TED-MED (Boston) (2020)

*History of Neurolaw, Ethical Controversies in Psychology and Neuroscience*, Boston College (Virtual) (2020)

[\*Trauma and Truth: A Law and Neuroscience Perspective on Episodic Memory, Credibility, and Asylum Law\*](#), THE UNIVERSITY OF MINNESOTA CLA INTERDISCIPLINARY COLLABORATIVE WORKSHOP ON MEMORY, TRAUMA, AND HUMAN RIGHTS (Virtual) (2020)

*How Brain Science Can Transform the Law*, AMERICAN UNIVERSITY NEUROSCIENCE AND POLICY INITIATIVE (Virtual) (2020)

*Toward a Definition of “Neurolaw”*, UNIVERSITY OF ST. THOMAS SCHOOL OF LAW (Virtual) (2020)

*Maximizing Inclusion in Neuroimaging Studies Across Settings* (panel moderator), NATIONAL INSTITUTES OF HEALTH (Virtual) (2020)

*INS Panel on Scientific Oppression, Biological Reductionism, and the Future of Neurotechnology*, INTERNATIONAL NEUROETHICS SOCIETY (Virtual) (2020)

*Boundless Data, Artificial Intelligence, and the Future of Deep Phenotyping in Psychiatry: Can Law and Ethics Keep Up?*, YALE LAW SCHOOL, INFORMATION SOCIETY PROJECT (Virtual) (2020)

*Criminal Justice and the Developing Brain*, SCHOOL OF LEGAL STUDIES, CENTRAL UNIVERSITY OF KASHMIR (Virtual) (2020)

*Career Tracks in Neuroethics*, INTERNATIONAL NEUROETHICS SOCIETY ANNUAL MEETING (Virtual) (2020)

*What Psychology and Neuroscience Teach Us About Mens Rea*, GUILTY MINDS: MENS REA AND CRIMINAL JUSTICE REFORM (Arizona State University, Virtual) (2020)

*Sentencing and Neuroscience: The Legal Framework, its Evolution, its Direction*, FLASCHNER JUDICIAL INSTITUTE (Virtual) (2020) (with Judge (Ret.) Nancy Gertner)

*Ethical, Legal, and Social Implications and Applications of Research on the Developing Brain*, UNIVERSITY OF MINNESOTA MASONIC INSTITUTE FOR THE DEVELOPING BRAIN (Virtual) (2020)

*What and How Neuroethics Can Contribute To Addressing Racial Inequities and the Needs of Underserved Communities*, NIH BRAIN RESEARCH THROUGH ADVANCING INNOVATIVE NEUROTECHNOLOGIES (BRAIN) NEUROETHICS WORKING GROUP (NEWG) Meeting (Virtual) (2020)

*Neuroscience and the Future of the Law*, THE LEADERSHIP INITIATIVES: ADVANCED MEDICAL NEUROSCIENCE SUMMIT (Virtual) (2020)

*Every Story is a Brain Story*, TED MED (Boston, MA) (2020)

*Neuroscientific Analysis of Law*, SETON HALL LAW SCHOOL (Newark, NJ) (2020)

*Will There Be a Law and Neuroscience Revolution?*, VANDERBILT UNIVERSITY (Nashville, TN) (2020)

*Trauma, Neuroscience, and Justice for Asylum Seekers*, HARVARD LAW PETRIE-FLOM EIGHTH ANNUAL HEALTH LAW YEAR IN P/REVIEW (Cambridge, MA) (2019)

*Ethics, Law and the Aging Brain*, HARVARD NEUROLOGY RESIDENCY NEUROETHICS COURSE (Boston, MA) (2019)

*The Ethical, Legal, and Social Implications of Highly Portable Neuroimaging*, IEEE TECHETHICS PANEL SESSION AT THE 2018 IEEE INTERNATIONAL SYMPOSIUM ON TECHNOLOGY AND SOCIETY (Medford, MA) (2019)

*Computational Justice*, HARVARD LAW SCHOOL PETRIE-FLOM CENTER (Cambridge, MA) (2019)

*Is There an Ethical Duty to Report the Socioeconomic Status of Research Participants in Human Neuroscience Research?*, ANNUAL MTG OF THE SOCIETY FOR NEUROSCIENCE (Chicago, IL) (2019)

*Neuroscience and Elder Justice*, U.S. SECURITIES AND EXCHANGE COMMISSION ELDER FINANCIAL FRAUD ROUNDTABLE (Washington, DC) (2019)



*The Ethical, Legal, and Social Implications of Highly Portable and Cloud-Enabled Neuroimaging in the Field*, INTERNATIONAL NEUROETHICS SOCIETY (Chicago, IL) (2019) (with Francis X. Shen, Susan M. Wolf, William McGeeveran, Ramon Gilberto Gonzalez & Michael Garwood) (awarded Outstanding Poster Award)

*Neuroscience and the Law*, AAAS EMERGING ISSUES IN NEUROSCIENCE, ANNUAL MEETING OF THE WISCONSIN JUDICIAL CONFERENCE (Elkhart Lake, WI) (2019)

*Neuroscience in the Criminal Justice System*, UNITED STATES PROBATION AND PRETRIAL SERVICES, DISTRICT OF MINNESOTA (Minneapolis, MN) (2019)

*Law and Neuroscience: From Theory to Practice*, HARVARD LAW SCHOOL LAW AND BEHAVIORAL SCIENCE STUDENT GROUP (Cambridge, MA) (2019)

*Trauma, Memory, and the Brain: Implications for Immigration Law*, HARVARD LAW SCHOOL TRAUMA, REFUGEES, AND ASYLUM LAW SEMINAR (Cambridge, MA) (2019)

*A Student's Guide to Law and Neuroscience*, MASSACHUSETTS GENERAL HOSPITAL CENTER FOR LAW, BRAIN, AND BEHAVIOR WEBINAR (2019)

*How Neuroscience Will Revolutionize the Law*, UNIVERSITY OF MINNESOTA COLLEGE OF CONTINUING AND PROFESSIONAL STUDIES (2019)

*Neuroscience Evidence in the Courtroom: What Prosecutors Need to Know*, NATIONAL DISTRICT ATTORNEYS ASSOCIATION SUMMER SUMMIT (Quebec City, Canada) (2019)

*Public Attitudes in the United States Towards Human–Animal Chimeric Embryo Research Using Human Induced Pluripotent Stem Cells to Generate Human Organs for Transplantation* (with Jennifer L. Brown, Mercedes Ruiz-Estevez, Joseph P Voth, Tsutomu Sawai, Taichi Hatta, Misao Fujita, Andrew T Crane & Walter C Low), POSTER PRESENTED AT 2019 ANNUAL MEETING OF THE INTERNATIONAL SOCIETY FOR STEM CELL RESEARCH (Los Angeles, CA) (2019)

*The Ethical, Legal, and Social Implications of Neuroimaging in the Field*, MEETING OF THE NEONATAL & PEDIATRIC NEUROIMAGING INITIATIVE, BILL & MELINDA GATES FOUNDATION (2019)

*Translating Emerging Science into Policy*, panelist participant at A NEW ERA OF SCIENTIFIC COLLABORATION, 3<sup>RD</sup> ANNUAL MEETING OF THE NCAA-U.S. DEPARTMENT OF DEFENSE GRAND ALLIANCE CONCUSSION CONFERENCE (Madison, WI) (2019)

*Neuroscience and the Law*, VIRGINIA TECH CARILION SCHOOL OF MEDICINE AND RESEARCH INSTITUTE (Roanoke, VA) (2019)

*A Fresh Look at Youth Sports Concussion Policy in Minnesota* (with Sydney Diekmann), MINNESOTA BRAIN INJURY ALLIANCE, 34<sup>TH</sup> ANNUAL CONFERENCE FOR PROFESSIONALS IN BRAIN INJURY (Brooklyn Park, MN) (2019)

*Neuroscience, AI, and the Criminal Justice System*, UNIVERSITY OF FLORIDA FREDRIC G. LEVIN COLLEGE OF LAW, LAW AND ARTIFICIAL INTELLIGENCE SEMINAR (online) (2019)

*Translating Emerging Science into Policy* (invited panelist), THIRD ANNUAL NCAA-DoD GRAND ALLIANCE CONCUSSION CONFERENCE (Madison, WI) (2019)

*Law and Neuroscience*, MINNESOTA CHAPTER OF THE FEDERAL BAR ASSOCIATION (Minneapolis, MN) (2019)

*Why the Law Needs Neuroscience*, ST. PAUL ACADEMY (St. Paul, MN) (2019)

*A Right to Know: The Challenge of IP and AI in Medicine and Criminal Justice*, UNIVERSITY OF MINNESOTA STUDENT INTELLECTUAL PROPERTY LAW ASSOCIATION (Minneapolis, MN) (2019)

*The Ethical, Legal, and Social Implications of Highly Portable MRI* (with Mike Garwood, Susan Wolf, Bill McGeveran), 2019 BRAIN INITIATIVE PRINCIPAL INVESTIGATORS MEETING (Washington, DC) (2019)

*From Lab to Law: Neuroscience in the Courtroom*, NATIONAL INSTITUTES OF HEALTH LABROOTS (2019)

*The Neuroscientific Analysis of Law*, UNIVERSITY OF MINNESOTA INSTITUTE FOR ADVANCED STUDIES (Minneapolis, MN) (2019)

*Trauma at the Border*, HARVARD LAW SCHOOL (Cambridge, MA) (2019)

*Brain-Based Memory Detection: From Lab to Law*, DUKE UNIVERSITY SCHOOL OF LAW FORENSIC SCIENCE COLLOQUIUM (Durham, NC) (2019)

*Introduction to Law and Neuroscience*, HARVARD LAW SCHOOL, LAW AND NEUROSCIENCE SEMINAR (Cambridge, MA) (2019)

*BRAIN 2025 and the Future of Neurolaw*, NIH ACD WORKING GROUP ON BRAIN 2.0, NEUROETHICS SUBGROUP WORKSHOP (Washington, DC) (2019)

*Toward an ELSI Roadmap for Closed-Loop Neurostimulation*, NATIONAL ACADEMIES OF SCIENCE (Washington, DC) (2018)

*The Future of Neuropsychiatry and the Law: Promise and Peril*, GRAND ROUNDS, STATE OF MINNESOTA DIRECT CARE & TREATMENT (St. Paul, MN) (2018)

*Neuroscience and the Law: What Prosecutors Need to Know*, MONTANA COUNTY ATTORNEYS ASSOCIATION (Billings, MT) (2018)

*Aging Judges*, VANDERBILT UNIVERSITY LAW SCHOOL, LAW AND NEUROSCIENCE COURSE (Nashville, TN) (2018)

*The Ethical, Legal, and Social Implications of Highly Portable MRI: Managing Emerging Brain Technology* (with Susan Wolf and William McGeveran), UNIVERSITY OF MINNESOTA CENTER FOR MAGNETIC RESONANCE RESEARCH (Minneapolis, MN) (2018)

*The Sacred Brain*, VERITAS ACADEMY, ANSELM HOUSE (Minneapolis, MN) (2018)

- Aging Attorneys: The Complex Intersection of Dementia and Disciplinary Action*, MINNESOTA LAWYERS PROFESSIONAL RESPONSIBILITY BOARD SEMINAR (Minneapolis, MN) (2018)
- Aging Judges*, UNIVERSITY OF MINNESOTA LAW SCHOOL FACULTY WORKS IN PROGRESS (Minneapolis, MN) (2018)
- Emerging Issues in Sports Concussion and the Law*, ANNUAL LEADERSHIP MEETING OF THE AMERICAN ORTHOPEDIC ASSOCIATION (Boston, MA) (2018)
- Neuroscience and the Law: A Brief Introduction*, DUKE LAW JUDGES SEMINAR (Durham, NC) (2018)
- Our Aging Brains: Decision-Making, Fraud, and Undue Influence—The Path Forward*, HARVARD LAW SCHOOL (Cambridge, MA) (2018)
- Lie Detection in the Courtroom*, BOSTON SOCIETY OF NEUROLOGY AND PSYCHIATRY (Boston, MA) (2018)
- How to Fix Youth Sports Concussion Statutes*, HARVARD LAW SCHOOL (Cambridge, MA) (2018)
- Confinement Companions: Can AI Address The Solitary Confinement Crisis?*, WE ROBOT AT STANFORD LAW SCHOOL (Palo Alto, CA) (2018)
- Law and the Aging Brain: From Clinic to Courtroom*, PSYCHIATRY GRAND ROUNDS, MASSACHUSETTS GENERAL HOSPITAL (Boston, MA) (2018)
- The Neurolaw Revolution: The Case of Cognitive Enhancement*, MT. HOLYOKE COLLEGE (South Hadley, MA) (2018)
- The Casualty Gap and the AVF*, THE FUTURE OF THE ALL VOLUNTEER FORCE AND DEMOCRACY IN AMERICA (Ohio State University, Columbus, OH) (2018)
- National Security Implications of Neurolaw*, 2018 U.S. SPECIAL OPERATIONS COMMAND LEGAL CONFERENCE (Tampa, FL) (2018)
- Blueprint for a Neurolaw Clinic*, BIOLAWPALOOZA AT STANFORD LAW SCHOOL (Palo Alto, CA) (2018)
- The Future of Neuropsychiatry and the Law: Promise and Peril*, ANNUAL MEETING OF THE AMERICAN NEUROPSYCHIATRIC ASSOCIATION (Boston, MA) (2018)
- What Can Neuroscience Really Do For The Law?*, UNIVERSITY OF VIRGINIA LAW SCHOOL, SEMINAR ON CURRENT ISSUES IN LAW AND PSYCHOLOGICAL SCIENCE (Charlottesville, VA) (2018)
- Neuroscience and the Rules of Evidence*, NATIONAL ACADEMIES OF SCIENCES (Washington, DC) (2018)
- Will Neuroscience Revolutionize the Law?*, HOPE COLLEGE DEPARTMENT OF BIOLOGY (Holland, MI) (2018)
- The Sacred Brain*, HOPE COLLEGE (Brain Awareness Week keynote) (Holland, MI) (2018)

*Law and Dementia, Petrie-Flom Sixth Annual Health Law Year in P/Review*, HARVARD LAW SCHOOL (Cambridge, MA) (2017)

*Neuroscience and the Law: What Judges Need to Know*, 2017 MINNESOTA ANNUAL CONFERENCE OF JUDGES (Bloomington, MN) (2017)

*Law and Neuroscience 2.0*, LAW AND MIND CONFERENCE AT JAGIELLONIAN UNIVERSITY (Krakow, Poland) (2017)

*Dementia in Judges and Elected Officials: Challenges and Solutions*, HARVARD LAW SCHOOL (Cambridge, MA) (2017)

*Every Story is a Brain Story: The Future of Neuroscience and Law*, VIRGINIA TECH NEUROSCIENCE CLUB (Blacksburg, VA) (2017)

*Law and Neuroscience* (multiple presentations), NEUROSCIENCE SCHOOL OF ADVANCED STUDIES, CERTOSA DI PONTIGNANO (Siena, Italy) (2017)

*The Roles of Science in Society: Research, Education and Practice*, MAYO SPORTS MEDICINE CLINIC ICE HOCKEY SUMMIT III: ACTION ON CONCUSSION (Rochester, MN) (2017)

*Communicating Concussion Risk*, HEALTH LAW WORKSHOP, HARVARD LAW SCHOOL (Cambridge, MA) (2017)

*The Neurolaw Revolution*, HARVARD LAW SCHOOL (Cambridge, MA) (2017)

*Neuroscience, Mental States, and the Law*, UNIVERSITY OF GLASGOW CONFERENCE: THE WHOLE TRUTH (Glasgow, Scotland) (2017)

*Brain Health in Youth Sports*, 5<sup>TH</sup> ANNUAL SUMMIT OF THE BIG TEN – IVY LEAGUE TRAUMATIC BRAIN INJURY RESEARCH COLLABORATION (Rosemont, IL) (2017)

*Neuroscience and the Law*, 2017 CALIFORNIA ADVANCED JUDICIAL STUDIES INSTITUTE (San Diego, CA) (2017)

*Neuroscience and Individualized Sentencing of Juveniles*, MINNESOTA SENTENCING GUIDELINES COMMISSION (St. Paul, MN) (2017)

*A (Brief) Introduction to Law and Neuroscience*, FEDERAL JUDICIAL CENTER, TREATMENT SERVICES: NEGOTIATING PATHWAYS AND SUPPORTING SUCCESSFUL TRANSITIONS (Minneapolis, MN) (2017)

*Liability for Sports Concussions: What Youth Leagues and School Districts Need to Know*, UNIVERSITY OF CINCINNATI LAW SCHOOL SYMPOSIUM ON NEUROSCIENCE IN THE COURTROOM (Cincinnati, OH) (2017)

*Neuroscience and the Law: What Judges Need to Know*, 2017 IDAHO MAGISTRATE JUDGES CONFERENCE (Moscow, ID) (2017)

- The Neurolaw Revolution*, NORTHWESTERN UNIVERSITY NEURO CLUB (Evanston, IL) (2017)
- Neuroscience and Individualized Sentencing of Juveniles*, MINNESOTA STATE BAR ASSOCIATION COMMISSION ON JUVENILE SENTENCING FOR HEINOUS CRIMES (St. Paul, MN) (2017)
- Youth Concussion in Sports: How is law put into practice?*, MINNESOTA BRAIN INJURY ALLIANCE (2017) (with Jessica Brown, Moira Novak & Toben Nelson)
- The Future of Brain Injury and the Law*, DUQUESNE UNIVERSITY SCHOOL OF LAW (Pittsburgh, PA) (2017)
- The Neuroscientific Analysis of Law*, UNIVERSITY OF MINNESOTA DEPARTMENT OF NEUROSCIENCE (Minneapolis, MN) (2017)
- Law, Neuroscience, and the Science of Addiction*, UNITED STATES CONGRESSIONAL NEUROSCIENCE CAUCUS (Washington, DC) (2017)
- The Neuroscientific Analysis of Law*, UNIVERSITY OF MINNESOTA PSYCHOLOGY DEPT. GRADUATE SEMINAR ON NEUROSCIENCE, PHILOSOPHY & ETHICS (Minneapolis, MN) (2017)
- Developmental Neuroscience and the Law*, UNIVERSITY OF MINNESOTA INSTITUTE OF CHILD DEVELOPMENT (Minneapolis, MN) (2017)
- A Brief Introduction to Law and Neuroscience*, MINNESOTA STATE MANKATO DEPARTMENT OF PSYCHOLOGY (Mankato, MN) (2017)
- The Future of Neuroscientific Evidence of Dementia in the Courtroom*, AMERICAN ACADEMY OF PSYCHIATRY AND THE LAW (Portland, OR) (2016)
- Why Law Needs Neurology More than Ever Before*, UNIVERSITY OF MINNESOTA DEPT. OF NEUROLOGY GRAND ROUNDS (Minneapolis, MN) (2016)
- Law and Neuroscience*, for FEDERAL JUDICIAL CENTER TREATMENT SERVICES PROGRAM, NEGOTIATING PATHWAYS AND SUPPORTING SUCCESSFUL TRANSITIONS (Minneapolis, MN) (2017)
- Reinventing Reentry: Brain, Behavior, and Better Decision-Making*, MACARTHUR FOUNDATION RESEARCH NETWORK ON LAW AND NEUROSCIENCE & OREGON HEALTH & SCIENCES UNIVERSITY (Portland, OR) (2016)
- Neurotechnology and Public Engagement, and the Law*, ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT CONFERENCE ON RESPONSIBLE INNOVATION AND THE BRAIN - SOCIETAL DIMENSIONS OF NEUROTECHNOLOGY ADVANCES (Washington, DC) (2016)
- Evidence Law and the Aging Brain: What Judges Should Know*, JOINT JUDICIAL AND SENIOR MANAGER'S SPRING CONFERENCE ON AGING AND THE ELDERLY (Philadelphia, PA) (2016)
- Adolescent Brain Science and the Law: Promise and Perils*, MORTIMER D. SACKLER, M.D. SUMMER INSTITUTE, WEILL CORNELL MEDICAL COLLEGE (New York, NY) (2016)

*Memory Neuroscience in the Courtroom*, SPRING MEETING OF THE AMERICAN BAR ASSOCIATION  
CRIMINAL JUSTICE SECTION (Albuquerque, NM) (2016)

*New Orleans, Neuroscience, and the Law: An Introduction to Neurolaw*, TULANE UNIVERSITY  
NEUROSCIENCE ASSOCIATION (New Orleans, LA) (2016)

*Everything You Need to Know About Neuroscience and Law*, CONCORDIA COLLEGE NEUROSCIENCE  
DEPARTMENT (Moorhead, MN) (2016)

*Will Neuroscience Revolutionize the Law?*, UNIV. OF MINNESOTA ALUMNI ST. CROIX VALLEY CHAPTER  
(Stillwater, MN) (2016)

*Neuroscience Evidence: What Judges Need to Know*, 2016 IDAHO DISTRICT JUDGES CONFERENCE  
(Boise, ID) (2016)

*The Demand Side of Cognitive Enhancement*, AMERICAN ACADEMY OF ARTS & SCIENCES HUMAN  
PERFORMANCE ENHANCEMENT WORKSHOP (Cambridge, MA) (2016)

*The Overlooked History of Neurolaw*, FORDHAM LAW SCHOOL SYMPOSIUM ON NEUROSCIENCE AND  
CRIMINAL BEHAVIOR (New York, NY) (2016)

*Law and Neuroscience 2.0*, Presentation to EAGLEMAN LABORATORY FOR PERCEPTION AND ACTION  
(Houston, TX) (2015)

*Brain Stimulation and the Law*, THE 9TH ANNUAL DUPONT SUMMIT 2016 ON SCIENCE, TECHNOLOGY,  
AND ENVIRONMENTAL POLICY (Washington, DC) (2015)

*Law and Neuroscience: What Role for Psychiatry?*, UNIVERSITY OF MINNESOTA DEPARTMENT OF  
PSYCHIATRY GRAND ROUNDS (Minneapolis, MN) (2015)

*Will Neuroscience Revolutionize the Law?*, MINDSTRETCH (St. Paul, MN) (2015)

*Every Story is a Brain Story: How Neuroscience is Revolutionizing Law and Public Policy*, SENIOR  
COLLEGE OF WEST CENTRAL MINNESOTA (Alexandria, MN) (2015)

*Reconsidering Brain-Based Memory Detection Evidence*, WILLIAM & MARY LAW SCHOOL  
NEUROSCIENCE & CRIMINAL RESPONSIBILITY CONFERENCE (Williamsburg, VA) (2015)

*Neurolegislation: The Use (and Misuse) of Brain Science in U.S. Legislatures*, COLLEGE OF WILLIAM &  
MARY GOVERNMENT DEPARTMENT SEMINAR (Williamsburg, VA) (2015)

*Why You Should Care About Law and Neuroscience*, UNIVERSITY OF MINNESOTA BRAIN CLUB  
(Minneapolis, MN) (2015)

*A Brief Introduction to Law and Neuroscience*, ANNUAL MEETING OF THE AMERICAN ACADEMY OF  
PSYCHIATRY AND THE LAW (Ft. Lauderdale, FL) (2015)

*Brain Science in the Courtroom*, NATIONAL JUDICIAL INSTITUTE AND CONCLAVE: EMERGING ISSUES,

INNOVATIVE RESPONSES (Chicago, IL) (2015)

*A Brief Introduction to Law and Neuroscience*, ANNUAL MEETING OF THE AMERICAN JUDGES ASSOCIATION & NATIONAL ASSOCIATION OF STATE JUDICIAL EDUCATORS (Seattle, WA) (2015)

*A Brief Introduction to Law and Neuroscience*, 2015 COLORADO JUDICIAL CONFERENCE (Vail, CO) (2015)

*Law and Neuroscience 2.0*, Keynote at NEUROSCIENCE IRELAND 2015 Conference (Dublin, Ireland) (2015)

*Neuroscience is Headed to the Courtroom: What Prosecutors Need to Know*, WASHINGTON COUNTY ATTORNEYS OFFICE (Stillwater, MN) (2015)

*Neuroscience is Headed to the Courtroom: What Prosecutors Need to Know*, HENNEPIN COUNTY ATTORNEYS OFFICE (Minneapolis, MN) (2015)

*An Introduction to Law and Neuroscience*, NORTH DAKOTA JUDICIAL INSTITUTE (Grand Forks, ND) (2015)

*Does Brain-Based Lie Detection Belong in American Courtrooms?*, Participant in HARVARD MEDICAL SCHOOL CENTER FOR BIOETHICS PANEL (Boston, MA) (2015)

*Invisible Inequality: The Two Americas of Military Sacrifice*, UNIVERSITY OF CHICAGO PUBLIC LAW AND LEGAL THEORY WORKSHOP (Chicago, IL) (2015)

*The Future of Law and Neuroscience*, UNIVERSITY OF WISCONSIN NEUROSCIENCE AND PUBLIC POLICY SEMINAR (Madison, WI) (2015)

*Every Story is a Brain Story: How Neuroscience is Revolutionizing Law and Public Policy*, UNIVERSITY OF MINNESOTA MINNE-COLLEGE (Scottsdale, AZ) (2015)

*Law and Neuroscience: What Prosecutors Need to Know*, ANNUAL MEETING OF THE MINNESOTA COUNTY ATTORNEYS ASSOCIATION (Minneapolis, MN) (2014)

*Minority Mens Rea*, 2014 GALLERY OF EXCELLENCE, UNIVERSITY OF MINNESOTA INSTITUTE FOR DIVERSITY, EQUITY, AND ADVOCACY (IDEA) (Minneapolis, MN) (2014)

*Cognitive Enhancers and College Students*, UNIVERSITY OF MINNESOTA BOYNTON HEALTH SERVICE CONTINUING MEDICAL EDUCATION (Minneapolis, MN) (2014)

*The Next Revolution? How Neuroscience is Changing the Law*, DORSEY & WHITNEY LLP (Minneapolis, MN) (2014)

*Neuroscience Narratives: From Lab to Legislature*, UNIVERSITY OF MINNESOTA PUBLIC LAW WORKSHOP (Minneapolis, MN) (2014)

*Neuroscience: Beyond the Lab*, UNIVERSITY OF MINNESOTA DEPARTMENT OF NEUROSCIENCE, RESPONSIBLE CONDUCT OF RESEARCH SEMINAR (Minneapolis, MN) (2014)

*The Future of Neurolaw*, UNIVERSITY OF MINNESOTA CENTER FOR MAGNETIC RESONANCE RESEARCH (Minneapolis, MN) (2014)

*Law and Neuroscience*, JUDICIAL COUNCIL OF THE NATIONAL BAR ASSOCIATION (Atlanta, GA) (2014)

*Mind, Body, and Criminal Sentencing*, LOYOLA UNIVERSITY CHICAGO LAW JOURNAL CONFERENCE ON “SENTENCE STRUCTURE: THE ELEMENTS OF PUNISHMENT” (Chicago, IL) (2014)

*The Case for Law and Neuroscience*, HARVARD LAW SCHOOL STUDENT ASSOCIATION FOR LAW AND MIND SCIENCES (SALMS) SPEAKER SERIES (Cambridge, MA) (2014)

*Law and Neuroscience*, UNIVERSITY OF MINNESOTA GRADUATE SEMINAR ON NEUROSCIENCE, PHILOSOPHY, & ETHICS (Minneapolis, MN) (2014)

*The (Invisible) Politics of War*, INTERNATIONAL STUDIES ASSOCIATION ANNUAL MEETING (Toronto, Canada) (2014) (with Douglas L. Kriner)

*The Law’s Mind Body Problem*, 2014 MARSHALL WEINBERG COGNITIVE SCIENCE SYMPOSIUM AT UNIVERSITY OF MICHIGAN (Ann Arbor, MI) (2014)

*Minority Mens Rea*, THE UNIVERSITY OF MINNESOTA INSTITUTE FOR DIVERSITY, EQUITY, AND ADVOCACY DIVERSITY ACROSS THE DISCIPLINES (Minneapolis, MN) (2014)

*Synapses and Social Policy: The Legislative Politics of Neurolaw*, STANFORD LAW SCHOOL CENTER FOR LAW AND THE BIOSCIENCES (Palo Alto, CA) (2014)

*Social Responsibility: Neuroscience & Law*, UNIVERSITY OF MINNESOTA DEPARTMENT OF NEUROSCIENCE, RESPONSIBLE CONDUCT OF RESEARCH SEMINAR (Minneapolis, MN) (2013)

*The Language of Mens Rea*, ST. LOUIS UNIVERSITY SCHOOL OF LAW (St. Louis, MO) (2013)

*Synapses and Social Policy: The Use (and Mis-use) of Brain Science in U.S. State Legislatures*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Chicago, IL) (2013)

*Racialized Retrenchment: The Politics of Crime Victim Compensation Programs in the United States*, ANNUAL MEETING OF THE LAW AND SOCIETY ASSOC. (Boston, MA) (2013)

*The Future of Brain-Based Lie Detection: Beyond the Courtroom*, ARIZONA STATE UNIVERSITY 1<sup>ST</sup> ANNUAL CONFERENCE ON GOVERNANCE OF EMERGING TECHNOLOGIES: LAW, POLICY, AND ETHICS (Phoenix, AZ) (2013)

*Neuro-Entrepreneurs in the State House: Neuroscience and the Creation of Public Policy*, UNIVERSITY OF MINNESOTA POLITICAL SCIENCE DEPARTMENT AMERICAN POLITICS PROSEMINAR (Minneapolis, MN) (2013)

*The Future of Neuroscience and Law*, ANNUAL MEETING OF THE COGNITIVE NEUROSCIENCE SOCIETY (San Francisco, CA) (2013)



*Brain Bills and Neuro-Entrepreneurs: Neuroscience and the Creation of Public Policy*, ANNUAL MEETING OF THE MIDWEST POLITICAL SCIENCE ASSOC. (Chicago, IL) (2013)

*Sorting Guilty Minds: Word Choice and the Attribution of Mental States*, UNIVERSITY OF MIAMI SCHOOL OF LAW (Miami, FL) (2013)

*Law and Neuroscience*, UNIVERSITY OF MINNESOTA HUMPHREY SCHOOL OF PUBLIC POLICY, EMERGING TECHNOLOGIES & SOCIETY SEMINAR (Minneapolis, MN) (2013)

*Neuroeconomics and the Governance of Choice: What's "neuro" got to do with it?* (Commentary in Response to Dr. Natasha Dow Schull), UNIVERSITY OF MINNESOTA, CONSORTIUM ON LAW AND VALUES IN HEALTH, ENVIRONMENT & THE LIFE SCIENCES, NEUROSCIENCE & PUBLIC POLICY LECTURE SERIES. (Minneapolis, MN) (2013)

*Law and Neuroscience*, UNIVERSITY OF MINNESOTA LAW AND ECONOMICS SEMINAR (Minneapolis, MN) (2013)

*Developmental Neuroscience in Law and Public Policy: Current Developments & Future Prospects*, UNIVERSITY OF MINNESOTA INSTITUTE FOR CHILD DEVELOPMENT WORKSHOP (Minneapolis, MN) (2013)

*Mind, Body, and the Criminal Law*, ST. THOMAS UNIVERSITY LAW SCHOOL FACULTY WORKSHOP (Minneapolis, MN) (2013)

*Teaching Law and Neuroscience: Past, Present, and Future*, ANNUAL MEETING OF THE ASSOC. OF AMERICAN LAW SCHOOLS (New Orleans, LA) (2013)

*Mind, Body, and the Criminal Law*, CONFERENCE ON EMPIRICAL LEGAL STUDIES (Palo Alto, CA) (2012)

*Law and Neuroscience*, UNIVERSITY OF MINNESOTA JOINT DEGREE PROGRAM IN LAW, HEALTH & THE LIFE SCIENCES PRO-SEMINAR (Minneapolis, MN) (2012)

*The Mirage of Mayoral Control and the Case for Sunset Provisions*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (New Orleans, LA) (2012)

*Neuroethics and Cognitive Enhancement*, SUMMER MEDICAL FELLOWSHIP IN TRANSLATIONAL RESEARCH & BIOETHICS (Washington, DC) (2012)

*Neuroscience Bioethics*, OCHSNER HEALTH SYSTEM CLINICAL ETHICS SYMPOSIUM (New Orleans, LA) (2012)

*Law, Neuroscience and Truth Verification*, THE INNOCENCE PROJECT (New Orleans, LA) (2012)

*Law and Neuroscience*, TULANE UNIVERSITY NEUROSCIENCE ASSOCIATION (New Orleans, LA) (2012)

*fMRI Truth Verification: Beyond the Courtroom*, INFORMATION SOCIETY PROJECT, YALE UNIVERSITY LAW SCHOOL (New Haven, CT) (2012)

*Sorting Guilty Minds*, 6<sup>TH</sup> ANNUAL CONFERENCE ON EMPIRICAL LEGAL STUDIES (Chicago, IL) (with

Morris B. Hoffman, Owen D. Jones, Joshua Greene & Rene Marois) (2011)

*PTSD Litigation In The Neuroimaging Era*, ANNUAL MEETING OF THE AMERICAN ACADEMY OF PSYCHIATRY AND THE LAW (Boston, MA) (2011)

*Law and Neuroscience: Prospects For The Emerging Field Of Neurolaw*, TULANE UNIVERSITY NEUROSCIENCE PROGRAM SEMINAR SERIES (New Orleans, LA) (2011)

*Saying No To Neurolaw: When and Why The U.S. Public Disapproves of Neuroscience In the Criminal Courts*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Seattle, WA) (2011)

*Law and Neuroscience: What Prosecutors Need To Know*, Webinar presented to the California District Attorneys Association. (Sacramento, CA) (2011)

*How Will Neuroscience Affect The Law?*, ANNUAL MEETING OF THE LAW AND SOCIETY ASSOC. (San Francisco, CA) (2011)

*Brain Scans As Truth Verification: The Case Of U.S. v. Semrau*, MERCER LAW REVIEW SYMPOSIUM: THE BRAIN SCIENCES IN THE COURTROOM (Macon, GA) (with Owen D. Jones) (2010)

*Putting A Price On Bad Memories: The Case Of Post-Traumatic Stress Disorder*. MEMORY & LAW WORKSHOP (University of Arizona, Tucson, AZ) (2010)

### **PRESENTATIONS IN POLITICAL SCIENCE & EDUCATION**

*The Microfoundations of Sex Offender Legislation*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (New Orleans, LA) (2012)

*The Education Mayor: the Effects of Mayoral Control on Urban School Systems*, THE POLITICAL ECONOMY OF K-12 EDUCATION REFORM WORKSHOP (University of Notre Dame, South Bend, IN) (2011)

*Mayoral Management: Sustaining Effects of Mayoral Control On School Spending In Urban Systems*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Seattle, WA) (with Kenneth K. Wong) (2011)

*When Urban School Districts Innovate: The Politics Of Turning Around Low Performing School Organizations Through Charter Schools*, ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (Denver, CO) (with Kenneth K. Wong) (2010)

*The Casualties Hypothesis And Non-Fatal Casualties: A Pilot Investigation*, ANNUAL MEETING OF THE MIDWEST POLITICAL SCIENCE ASSOC. (Chicago, IL) (with Douglas L. Kriner) (2010)

*The Influence Of Casualty Inequalities On Americans' Casualty Sensitivity: An Experimental Approach*, ANNUAL MEETING OF THE MIDWEST POLITICAL SCIENCE ASSOC. (Chicago, IL) (with Douglas L. Kriner) (2010)

*An Evolutionary Psychology Perspective on Political Behavior and the Policy Process*, Lab group presentation made at the CENTER FOR EVOLUTIONARY PSYCHOLOGY (UC, Santa Barbara) (2010)

- Resource Allocation And Performance Management In Charter Schools: Connections To Student Success*, NATIONAL CENTER ON SCHOOL CHOICE CONFERENCE (Vanderbilt Univ.) (with Kenneth K. Wong and Beth Purvis) (2009)
- School Choice Agenda Setting: A National Analysis Of Individual State Legislators*, ANNUAL MEETING OF THE MIDWEST POLITICAL SCIENCE ASSOC. (Chicago, IL); ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (San Diego, CA) (with Kenneth K. Wong) (2009)
- Mayoral Control As A Strategy To Raise Performance In Urban Districts*, ASCD ANNUAL CONFERENCE, (Orlando, FL) (with Kenneth K. Wong) (2009)
- Local Casualties, Congressional Rhetoric And Support For The War In Iraq*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Boston, MA) (with Douglas L. Kriner) (2009)
- Education Mayors: The Second Wave*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Boston, MA) (with Kenneth K. Wong) (2008)
- Student-Centered Spending? Resource Allocation In Six EMO-Managed Charter Schools*, ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (New York, NY) (with Kenneth K. Wong) (2008)
- Education Mayors & Big City School Boards: New Directions, New Evidence*, IOWA SCHOOL BOARDS FOUNDATION SYMPOSIUM (Des Moines, IA) (with Kenneth K. Wong) (2007)
- Rape And The Politics Of Reaction*, ANNUAL MEETING OF THE MIDWEST POLITICAL SCIENCE ASSOC. (Chicago, IL) (2007)
- Assessing Charter School Performance In Illinois: An Error-Band Analysis*, ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (Chicago, IL) (with Kenneth K. Wong) (2007)
- The Casualty Gap: Inequality And U.S. Casualties From WWII To Iraq*, ANNUAL MEETING OF THE MIDWEST POLITICAL SCIENCE ASSOC. (Chicago, IL) (with Douglas L. Kriner) (2007)
- The Lingering Costs Of War: Local Casualties And Political Engagement*, ANNUAL MEETING OF THE MIDWEST POLITICAL SCIENCE ASSOC. (Chicago, IL) (with Douglas L. Kriner) (2007)
- Beyond Weak Law, Strong Law: Political Compromise And Legal Constraints On Charter School Laws*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Philadelphia, PA) (with Kenneth K. Wong) (2006)
- Mayors Improving Student Achievement: Evidence From A National Achievement And Governance Database*, ANNUAL MEETING OF THE MIDWESTERN POLITICAL SCIENCE ASSOC. (Chicago, IL) (with Kenneth K. Wong) (2006)
- When Mayors Use School Choice As A Reform Strategy*, ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (San Francisco, CA) (with Kenneth K. Wong & Lauren M. Pachucki) (2006)

- School Finance Adequacy In The Context Of Educational Management Organizations*, ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (Montreal, Canada) (with Kenneth K. Wong) (2006)
- The Role Of Estimation In Budget Procedures: Baselines*, BRIEFING PAPER NO. 4 ON FEDERAL BUDGET POLICY (prepared under the Supervision of Prof. Howell E. Jackson) (with Jared Shirk) (2005)
- War And Appropriations*, BRIEFING PAPER NO. 9 ON FEDERAL BUDGET POLICY (prepared under the Supervision of Prof. Howell E. Jackson) (with Adam Fletcher) (2005)
- Mayors And Urban Schools*, Presentation to the LOS ANGELES CITY COUNCIL JOINT COMMISSION ON LAUSD GOVERNANCE (with Kenneth K. Wong) (2005)
- When School Districts Regain Control: The Political Economy Of State Takeover Of Local Schools And Its Withdrawal*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Chicago, IL) (with Kenneth K. Wong & Warren E. Langevin) (2004)
- Not Only Faith-Based But Faith-Centered, Too: A Reexamination Of Dry Bones Rattling And Social Capital Readings Of Faith-Based Organizations*. ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Philadelphia, PA) (2003)
- Should Mayors Lead Urban Schools As Well As Cities? Developing An Assessment Framework For Mayoral Takeover Of Urban School Districts*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Philadelphia, PA) (with Kenneth K. Wong) (2003)
- Specification Uncertainty And Model Averaging In State Policy Innovation Research*. THIRD ANNUAL CONFERENCE ON STATE POLITICS AND POLICY (Tucson, AZ); ANNUAL MEETING OF THE MIDWESTERN POLITICAL SCIENCE ASSOC. (Chicago, IL) (2003)
- Political Incentives and Mayoral Takeover Of Urban School Districts*. ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (Chicago, IL) (2003)
- Educational Resources And Achievement Gaps In High Poverty Schools: Findings From The Longitudinal Evaluation Of School Change And Performance (LESCP) In Title I Schools*, ANNUAL MEETING OF THE AMER. EDUC. RES. ASSOC. (Chicago, IL); ASSOC. FOR PUBLIC POLICY ANALYSIS & MANAGEMENT FALL RESEARCH CONFERENCE (Dallas, TX) (with Kenneth K. Wong & Stephen J. Meyer) (2002)
- Can The States Address Equity And Innovation? Rethinking The State's Fiscal Role In Public Education?*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Boston, MA) (with Kenneth K. Wong) (2002)
- Politics Of State-Led Reform In Education: Market Competition And Electoral Dynamics*, ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (New Orleans, LA); ASSOC. FOR PUBLIC POLICY ANALYSIS & MANAGEMENT FALL RESEARCH CONFERENCE (Washington, D.C.) (with Kenneth K. Wong) (2001)

*Does School District Takeover Work? Assessing The Effectiveness Of City And State Takeover As A School Reform Strategy*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (San Francisco, CA) (with Kenneth K. Wong) (2001)

*Institutional Effects Of Charter Schools: Innovation And Segregation*, ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOC. (Seattle, WA) (with Kenneth K. Wong) (2001)

*City And State Takeover As A School Reform Strategy*, ASSOC. FOR PUBLIC POLICY ANALYSIS & MANAGEMENT FALL RESEARCH CONFERENCE (Washington, D.C.) (with Kenneth K. Wong & Pushpam Jain) (2000)

*Institutional Effects Of Charter Schools: Competition, Innovation, And Segregation*, ANNUAL MEETING OF THE AMERICAN POLITICAL SCIENCE ASSOC. (Washington, D.C.) (with Kenneth K. Wong) (2000)

## **Professional Memberships**

Association of American Law Schools, Society for Neuroscience, International Neuroethics Society, American Academy of Neurology; Federalist Society; Catholic Criminal Justice Reform Network

## **REVIEWER**

National Institutes of Health; National Science Foundation; Science; Nature; Journal of Law and the Biosciences; Law and Social Inquiry (Editorial Board, 2012-14); Journal of Science and Law (Editorial Board); Cambridge University Press; Social Cognitive and Affective Neuroscience; Wiley Blackwell; University of Chicago Press; Harvard Review of Psychiatry; American Political Science Review; Public Opinion Quarterly; Journal of Philosophy, Science & Law; American Politics Research; Educational Policy; Journal of School Choice

## **PERSONAL**

Activities: Actively compete as Masters athlete in 110m and 400m hurdles (30 consecutive years of hurdling; 5<sup>th</sup> in the world at World Masters Athletics 2022; USATF MN Masters Athlete of the Year 2019; 9-time Age Group Individual National Champion at USATF Masters Outdoors; Member of GBTC's winning Shuttle Hurdle Relay team in the Olympic Development Section of the 2005 Penn Relays. Sprints and Hurdles Coach, Univ. of Minnesota Running Club (2016 – 2022); Member, Twin Cities Track Club; Former Board Member of Greater Boston Track Club; Featured in St. Paul Pioneer Press article: [\*UMN Law Professor Glad He Took the Leap to Become Masters Hurdler\*](#). Volunteer Assistant Coach, Loyola University New Orleans Track and Field Team (2012). Annual baseball stadium road trip (2002 – present; have seen all 30 stadiums at least once). Member, Word Team, St. Frances Cabrini Catholic Church (2012-Present).