

# CLBB News

A newsletter from the Center for Law, Brain & Behavior

October 21, 2019

## CLBB Event - This Wednesday

**Computational Justice**

How Artificial Intelligence and Digital Phenotyping Can Advance Social Good

October 23, 2019 - 12:00pm  
Harvard Law School - Wasserstein Hall - Millstein East (2036)

RSVP online: <http://petriefrom.law.harvard.edu/events>

### [Computational Justice: How Artificial Intelligence and Digital Phenotyping Can Advance Social Good](#)

October 23, 2019 | 12:00pm | Harvard Law School, Wasserstein Hall, Millsetein East C (Room 2036, 2nd floor)

The future of neuroscience and law will be a computational future, as both fields are increasingly integrating artificial intelligence and machine learning. But what will this future look like? Can AI and digital technologies promote justice, diversity, and inclusion? Or will these technologies replicate, or even exacerbate, existing inequalities and biases? In this lunchtime event, leading experts in artificial intelligence, computational psychiatry, and the law will discuss these questions, as they explore how AI and digital technologies can advance social good through improved social, psychiatric, and legal interventions. [Click here to register!](#)

## CLBB Faculty Presenting at Society for Neuroscience



The annual meeting of the Society for Neuroscience (SFN), taking place this week in Chicago, is the world's largest gathering of cutting edge neuroscience research. As seen below, CLBB faculty are well represented at SFN



### [Neurodegenerative Disorders and Injury](#)

Bradford C. Dickerson, MD | *Semantic and Episodic Memory in Neurodegenerative Disease*

Highlight: "This study is consistent with others suggesting that semantic and episodic memory are differentially impacted across distinct clinical phenotypes. Results suggest that semantic and episodic face memory are supported by primary nodes in neural networks disrupted in neurodegenerative disease."



### [Genetic Models for Autism Spectrum Disorder](#)

Charles A. Nelson, PhD | *Visual Recognition Memory as a Translational Biomarker of Genetically Defined Autism Spectrum Disorders*

Highlight: "We are leveraging visual recognition memory to establish a translational biomarker of genetically defined ASDs, with cortical microcircuitry that can be dissected via intersectional methods in transgenic mouse models."

### [Mood Disorders and Circuit Synapses](#)

Kerry Ressler, MD, PhD | *Fighting Females: Neural and Behavioral Effects of Chronic Social Defeat Stress in Female Mice*



Highlight: "These novel behavioral methods will encourage further studies of sex-specific neural, physiological, and behavioral adaptations to social stress and on the biological bases for interfemale aggression."



**[Neuroscience and Society: Ethical and Policy Issues](#)**

Francis X. Shen, JD, PhD | *Is There an Ethical Duty to Report the Socioeconomic Status of Research Participants in Human Neuroscience Research?*

Highlight: "The study identifies arguments both for and against the reporting these SES demographics, and concludes that the expected benefits of reporting the demographics likely outweigh the potential costs. The study proposes a path forward by which this demographic data could be more readily reported in published studies, and discusses the potential implications of reporting other demographic data such as participant race."

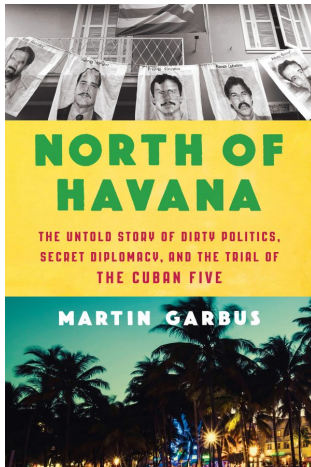


**[Functional Brain Imaging and Multimodal Imaging](#)**

David Borsook, PhD | *The Neurovascular Response is Attenuated by Focused Ultrasound-Mediated Disruption of the Blood-Brain Barrier*

Highlight: "It appears that FUS-BBB opening, at this low power level and one hour after sonication, affects either the signaling mechanism from the neurons to the vessels that is supposed to initiate increased blood flow to the active region or the ability of the vessels to respond to this signal."

Other Events of Interest



**[North of Havana \(Future Event\)](#)**

October 29, 2019 | 12:00-1:15pm | Harvard Law School, Wasserstein Hall, Millstein East C (Room 2036, 2nd floor)

In this talk, renowned Attorney Martin Garbus, a friend and supporter of CLBB, will share his truth: from representing Miami criminal murder defendants in Miami, to representing detained migrants at the boarder in Dilly, Texas, as well as the understanding of what the internet has on justice. When a lawyer is asked to give a truth that will lead to injustice, or lie to pursue justice, what are his obligations? The event will be live webcast at 12:00pm on the event date. [Click here to register!](#)

In the News

*General*

[Law Professors Stephen Morse and Richard Bonnie Co-Author Amicus Brief in Support of Maintaining the Insanity Defense](#) | Kahler v. Kansas, Supreme Court of the United States, Brief of Amicus Curiae, 290 Criminal Law and Mental Health Law Professors in Support of Petitioner's Request for Reversal and Remand

[University of Aberdeen to Hold Workshop on Neuroscientific Evidence in Criminal Law](#) | Scottish Legal News | Oct. 4, 2019

*Elder Justice*

[Denver Elder Fraud Case Leads to 27 Indictments](#) | The Patch | Oct. 16, 2019

[Elder Financial Abuse is a Multibillion-Dollar Problem](#) | CNBC | Oct. 13, 2019

*Juvenile Justice*

[The Supreme Court Needs to Change the Way it Thinks About Justice for Children](#) | Slate | Oct. 16, 2019

[Is it Right to Lock Up a Juvenile and Throw Away the Key Forever?](#) | Quartz | Oct. 16, 2019

[Why Vermont Raised Its Juvenile Court Age Above 18 - And Why Mass. Might, Too](#) | WBUR | Oct. 3, 2019

### *Trauma at the Border*

["I Was Separated From Him. I Was Taken": A 7-Year-Old Torn From Her Father at the U.S. Border](#) | CBS News | Oct. 7, 2019

[What World War II Evacuation Policy Teaches Us About the Dangers of Family Separation](#) | CBS News | Sept. 27, 2019

[19 States and D.C. Sue Administration to Stop Indefinite Detention of Migrant Children](#) | NPR | Aug. 26, 2019

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