

# CLBB News

A newsletter from the Center for Law, Brain & Behavior

February 25, 2020

## CLBB Highlights

### [The Next Frontier of Neuroscience and Juvenile Justice - TOMORROW!](#)

February 26, 2020 | 12:00-1:30 pm  
Wasserstein Hall, Milstein West, Room 2019

Advances in neuroscientific understanding of the developing brain, including development in emerging adulthood from ages 18 to 25, are only beginning to enter legal cases. Advocates are recognizing that to make a more direct and profound impact, group-averaged neuroscience evidence must be complemented by individualized clinical assessments. This panel will discuss scientific and legal developments, and the new innovations they suggest at the intersection of neuroscience and juvenile justice. RSVP [here!](#)

*This event is part of the [Project on Law and Applied Neuroscience](#), a collaboration between the Center for Law, Brain & Behavior at Massachusetts General Hospital and the Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics at Harvard Law School.*



### [TED MED Talk: Every Story Is A Brain Story](#)

March 2, 2020 | 5:00 pm EST  
Westin Boston Waterfront Hotel

CLBB Executive Director Dr. Francis Shen, JD, PhD, will be speaking at TED MED 2020 in Boston. Dr. Shen's session, *Every Story is a Brain Story*, will explore how neuroscience might transform the law. TED MED 2020's theme is "Make Way for Wonder." Dr. Shen's talk will reflect his view that: *When I make way for wonder, I see the law and the legal system not as they are, but as they can become.*



### [Symposium on Equity, Hosted by Joint Committee on the Status of Women](#)

March 9, 2020 | 12:00-2:00 pm EST  
Gordon Hall Waterhouse Room

CLBB Managing Director Judge (Ret.) Nancy Gertner will participate in a symposium exploring ongoing efforts at Harvard and collaborative approaches going forward aimed at a collective vision for professional equity. The symposium is sponsored by the Joint Committee on the Status of Women (JCSW). The JCSW was established in 1973 as an administrative committee of the Dean of the Faculty of Medicine at Harvard Medical School.

### [Detecting Dementia: Technology, Aging Brains, and the Law](#)



April 1, 2020 | 12:00pm  
Harvard Law School | Wasserstein Hall, Milstein East C

Advances in neuroimaging, genetics, and mobile health apps are creating unprecedented opportunities to detect subtle brain changes that may predict the onset of Alzheimer's disease and other types of dementia. But how much trust should we have in these new technologies, who will have access to them, and how should the law respond when litigants proffer novel evidence of their brain states? This panel will explore technological innovations in dementia detection, and their ethical, social, and legal implications.

This event is part of the [Project on Law and Applied Neuroscience](#), a collaboration between the Center for Law, Brain & Behavior at Massachusetts General Hospital and the Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics at Harvard Law School.



## Anatomy of a False Confession

April 2, 2020 | 6:30-8:30pm EST  
Bornstein Amphitheater, Brigham & Women's Hospital

Why would criminal defendants confess to crimes they did not commit? Join CLBB Co-Director Dr. Judith Edersheim, JD, MD as she presents the Anatomy of a False Confession. This talk is sponsored by the *Boston Society of Neurology, Neurosurgery & Psychiatry*. All are welcome. Reception begins at 6:30 pm, with the program to follow from 7:00-8:30 pm.

## More Upcoming Events



## Annual HMS Bioethics Conference: Biotechnology and the Future of Medicine

March 9-10, 2020

The Harvard Medical School Annual Bioethics Conference convenes leaders in the field to explore ethical questions and concerns in healthcare. Held each spring, this two day, single track conference facilitates conversations among experts, and supports members of ethics committees, health care professionals, bioethicists, administrators, attorneys and others who are interested in addressing ethical issues. For more information, [email the HMS Center for Bioethics](#).



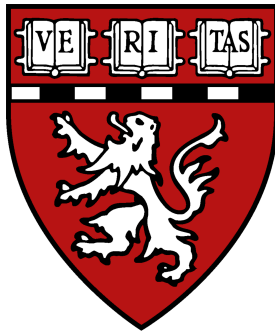
## Stephen Morse on Law and Neuroscience

March 11, 2020 | 12:00-1:00pm  
Harvard Law School, Wasserstein Hall, Room 1019,

How will neuroscience, including the new science of functional neuroimaging, change the way we address questions of criminal responsibility and criminal justice policy? University of Pennsylvania Law School [Professor Stephen Morse](#) will discuss these and other questions at the forefront of the emerging field of neuroscience and the law. Other topics to be addressed include juvenile responsibility and the treatment of drug addicted offenders. Professor Morse is the Ferdinand Wakeman Hubbell Professor of Law, Professor of Psychology and Law in Psychiatry, and the Associate Director of the Center for Neuroscience & Society at the University of Pennsylvania. Lunch will be provided. This event is co-sponsored by CLBB along with Law and Behavioral Science at Harvard Law School and the Harvard Health Law Society.

## 2020 HMS Symposium on Medical Student Education in Psychiatry: Integrating Neuroscience in Psychiatry Teaching

April 15, 2020  
Harvard Faculty Club, 20 Quincy St, Cambridge, MA



CLBB's [Dr. Kerry Ressler, MD, PhD](#) will give a keynote talk: "Why Neuroscience Matters in Clinical Psychiatry Education: From PTSD to Addiction" at 4:15-5:30 pm. [RSVP](#) by March 11th!

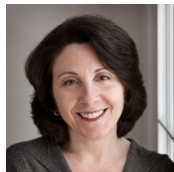
## Faculty Research and News



### [The Perils of Opening the Mind](#)

Amanda Pustilnik | The Boston Globe | February 23, 2020

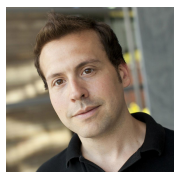
*Highlight:* "As it stands now, nothing - not the Constitution, not federal or state laws, and certainly not the user-consent agreements on neurotech products - appropriately defines when and how neurotech devices may be used. Nothing limits access to the newly emerging class of information derived directly from our brains."



### [Do Not Rely on Facial Expressions for How People Are Feeling](#)

Lisa Feldman Barrett | The Economist | February 20, 2020

*The Economist* reported on a recently published [study](#) by CLBB Chief Scientific Officer Dr. Lisa Feldman Barrett. *Highlight:* "An analysis of hundreds of research papers that examined the relationship between facial expressions and underlying emotions has uncovered a surprising conclusion: there is no good scientific evidence to suggest that there are such things as recognisable facial expressions for basic emotions which are universal across cultures."



### [Aberrant Cost-Benefit Integration During Effort-Based Decision Making Relates to Severity of Substance Use Disorders](#)

Joshua W. Buckholtz | Clinical Psychological Science | November 11, 2019

*Highlight:* "Individuals with more severe substance use disorders were less likely to use information about expected value when deciding between high-effort, high-reward and low-effort, low-reward options. Furthermore, individuals whose severity of use was primarily related to avoiding aversive affective states and individuals with heightened sensitivity to delay costs during intertemporal decision making were the least sensitive to expected value signals when making decisions to engage in effortful behavior."



### [How Early Experience Shapes Human Development: The Case of Psychosocial Deprivation](#)

Charles A. Nelson, PhD | January 15, 2019

*Highlight:* "Experience plays an essential role in building brain architecture after birth. The question we address in this paper is what happens to brain and behavior when a young child is deprived of key experiences during critical periods of brain development."

## Related Opportunities

### [Borchard Fellowship in Law & Aging](#)

Borchard Foundation Center in Law and Aging  
Deadline: April 1, 2020

*Law students interested in working with the Center for Law, Brain, and Behavior on issues around aging brains should contact CLBB and consider applying for this fellowship: "The Borchard Fellowship in Law*



& Aging offers up to three fellowships to law school graduates interested in, and perhaps already in the early stages of pursuing, an academic and/or professional career in law and aging. Fellows have the opportunity to carry out a substantial project related to law and aging in partnership with a host agency as well as to develop their legal skills and knowledge of laws, policies, and programs concerning older adults."

### [AACAP Summer Medical Student Fellowship in Child and Adolescent Psychiatry](#)

American Academy of Child and Adolescent Psychiatry

Deadline: March 2, 2020

"The AACAP Summer Medical Student Fellowships offer a chance for medical students to explore a career in child and adolescent psychiatry, gain valuable work experience, and meet leaders in the child and adolescent psychiatry field."



### [Provide Feedback on IEEE Neuroethics Framework](#)

IEEE Brain

"The IEEE Brain Neuroethics Subcommittee invites feedback on its recently published [Neuroethics Framework](#). The IEEE Brain Neuroethics Subcommittee is leading an effort to develop guidelines to address ethical, legal, and social concerns for the research and use of neurotechnologies. Initial effort focuses on this Neuroethics Framework to define and categorize current and emerging neurotechnologies, and elucidate ethical, legal, and social issues generated by context-specific applications of these technologies. The Framework was presented on November 16, 2019 in a Brave New Brain-Tech | IEEE TechEthics Panel ([video available](#)), in which MGH CLBB Exec. Dir. Francis Shen participated. Comments and questions can be sent to [neuroethics@ieee.org](mailto:neuroethics@ieee.org) and you can sign up to become involved [here](#)."

## In the News

### *Criminal Justice*

[Delaware Lawmakers Push Bill that Could Pay Reparation to the Wrongfully Incarcerated](#) | The Appeal | February 6, 2020

[The Brain, the Criminal, and the Courts](#) | The Fix | January 14, 2020

### *Juvenile Justice*

[Even 14-Year-Olds Who Kill Are Not Adults](#) | The New York Times | February 22, 2020

[Juvenile Justice Advocates: Let's 'Raise the Age' Again](#) | The CT Mirror | February 10, 2020

[What's the Meaning of "Life" When Sentencing Kids?](#) | Slate | January 30, 2020

[A Comprehensive--and Controlled--Look into Adolescent Brain Development](#) | Dana Foundation | December 18, 2019

### *Trauma and Immigration Justice*

[Remember What Science Owes to Child Refugees](#) | Nature | January 27, 2020

[Treating the Growing Trauma of Family Separation](#) | Knowable Magazine | January 23, 2020

### *Aging Brains*

[Why Elder Law is a Growing, 'Anything-Can-Happen-Practice'](#) | ABA Journal | January 30, 2020

[How Could My Wife Have Alzheimer's? She Was Only 56.](#) | Boston Globe | January 7, 2020

### *General*

[Utah Chief Justice: Jail and Prisons are Our States' New De Facto Mental Institutions](#) | ABC | January 27, 2020

[Biotechnologies Nibbling at the Legal "Human"](#) | Science | December 20, 2019

[Brain Computer Interfaces and Agency](#) | Emory Center for Ethics | December 19, 2019

[New Studies Show What Sleep Loss Does to the Brain and Cognition](#) | Forbes | November 29, 2019

## CENTER FOR LAW, BRAIN & BEHAVIOR



[clbb.mgh.harvard.edu](http://clbb.mgh.harvard.edu)

MGH Center for Law, Brain & Behavior, Dept. of Psychiatry, Bulfinch 351,  
55 Fruit St., Boston, MA 02114

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