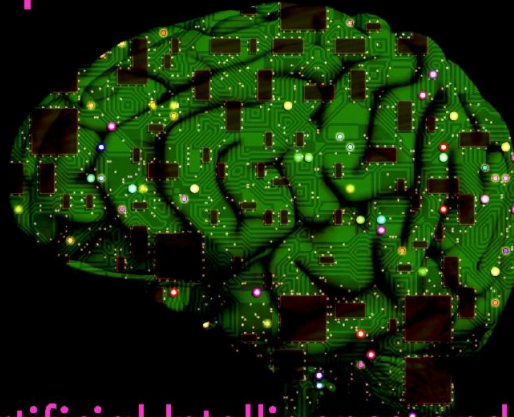


CLBB News

Computational Justice



How Artificial Intelligence and Digital Phenotyping Can Advance Social Good



Rediet Abebe
Junior Fellow, Harvard Society of Fellows and PhD candidate in Computer Science, Cornell University



Justin T. Baker, MD, PhD
Scientific Director, Institute for Technology in Psychiatry; Director of Functional Neuroimaging & Bioinformatics, Schizophrenia & Bipolar Disorder Research Program, McLean Hospital; Asst. Professor of Psychiatry, HMS



Francis X. Shen, PhD, JD
Executive Director, Center for Law, Brain & Behavior, MGH; Senior Fellow in Law and Applied Neuroscience, CLBB & Petrie-Flom Center, HLS

October 23, 2019 · 12:00pm

Harvard Law School · Wasserstein Hall · Milstein East (2036)



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.



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

Date: Wednesday, October 23, 2019

Time: 12:00 - 1:30 pm

Location: Harvard Law School, Wasserstein Hall, Millstein East (2036),
1585 Massachusetts Ave., Cambridge, MA

Description:

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. [RSVP online!](#)

Panelists



[Rediet Abebe](#) is a Junior Fellow at the Harvard Society of Fellows and a Ph.D. candidate at Cornell University. Her research is broadly in the fields of algorithms and AI, with a focus their applications to social good. As part of this research agenda, she co-founded and co-organizes [Mechanism Design for Social Good](#) (MD4SG), a multi-institutional, interdisciplinary research initiative working to improve access to opportunity for historically underserved and disadvantaged communities. She also co-founded [Black in AI](#), a non-profit organization tackling diversity and inclusion issues in the field. Abebe holds an M.A. from the University of Cambridge and an M.A. and a B.A. in mathematics from Harvard. She was recently named one of [35 Innovators Under 35](#) by the MIT Technology Review and honored in the 2019 [Bloomberg 50](#) list as a "one to watch." Her work has been covered by outlets including Forbes, The Boston Globe, and The Washington Post. Her research is deeply influenced by her upbringing in her hometown of Addis Ababa, Ethiopia.



[Dr. Justin T. Baker, MD, PhD](#), is the Scientific Director of the Institute for Technology in Psychiatry, and the Director of Functional Neuroimaging and Bioinformatics, Schizophrenia and Bipolar Disorder Research Program at McLean Hospital. He is also an Assistant Professor of Psychiatry at Harvard Medical School. Dr. Baker has a background in neuroscience and clinical psychiatry. He is currently the director of functional neuroimaging and bioinformatics for the Schizophrenia and Bipolar Disorder Research Program at McLean Hospital. His research uses both large-scale studies and "deep-phenotyping" approaches to understand the nature and underlying biology of mental illnesses, particularly lifelong conditions like schizophrenia and bipolar disorder. The goal of this work is to develop more effective strategies to both monitor the course of illness and intervene in creative ways to improve the lives of individuals struggling with these conditions. Dr. Baker is currently co-director of the Massachusetts General Hospital/McLean Hospital Research Concentration Program. He also works toward finding useful applications of psychiatry and clinical neuroscience to public policy and serves an affiliated faculty member of the MGH Center for Law, Brain & Behavior.

[Dr. Francis X. Shen, JD, PhD](#) is the Executive Director of the MGH Center for Law, Brain, and Behavior; an Instructor in Psychology at Harvard Medical School, and an Associate Professor of Law, McKnight Presidential Fellow, and faculty member in the Graduate Program on Neuroscience at the



University of Minnesota. He directs the [Shen Neurolaw Lab](#), whose Lab motto is, "Every story is a brain story." 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. He conducts empirical and legal research at the intersection of law, neuroscience, and AI, including a recent publication on neuroscience, AI, and solitary confinement. Dr. Shen teaches Law and Artificial Intelligence, Neuroethics, and Law and Neuroscience. He has co-authored 3 books, including the first Law and Neuroscience casebook (Aspen). He has also published articles on a range of neurolaw topics, including memory and lie detection, cognitive enhancement, criminal justice, brain injury, evidentiary admissibility, sports concussion, juror decision-making, criminal mental states, dementia, human-animal chimeras, and mental health.

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