

# Excellence

Center for Excellence in Education

## 40<sup>TH</sup> ANNIVERSARY CELEBRATION *The Broad Institute & Boston Marriott Cambridge* *Cambridge, Massachusetts* *October 13 – 15, 2023*

**Sponsored by the Claude Moore Charitable Foundation, DoD STEM, CITADEL | CITADEL Securities, Jane Street, TBL Foundation, and Two Sigma**

### Friday, October 13, 2023

**2:00PM**

*Broad Institute Lobby*

**Check-In (Available Until 6:00PM)**

\*Name Badge & Swag from CEE, DoD STEM, & CITADEL | CITADEL Securities

**4:00PM**

*Broad Institute Lobby*

**Reception for Program Mentors, CEE Trustees, Special Guests, & CEE Honorees (Admiral Bobby R. Inman, Sanjay Palsamudram, & Gayle E. Wilson)**

**5:15PM**

*Broad Institute Auditorium*

**Scientific & Technological Issues of Submarines Panel Discussion**

\***Brendan Carr, P.E.**, Technical Lead for SSN(X) in Electric Boat's Concept Formulation Group

\***Captain J. Carl Hartsfield (Ret.)**, Director & Senior Program Manager of the Oceanographic Systems Laboratory at the Woods Hole Oceanographic Institution

\***Captain Thomas P. O'Donnell**, Commander of Submarine Squadron 12, U.S. Navy

\***Neil E. Todreas, Sc.D.**, KEPCO Professor of Nuclear Science & Engineering & Professor of Mechanical Engineering (Emeritus) at MIT

\*Moderator: **Justin Ricketts**, RSI '22; Harvard University

**6:15PM**

**Enjoy Cambridge with Your Friends!** 😊

### Saturday, October 14, 2023

**7:30AM**

*Broad Institute Lobby*

**Check-In (Available Until 12:00 Noon)**

**8:00AM**

*Broad Institute Lobby*

**Continental Breakfast**

**8:50AM**

*Broad Institute Auditorium*

**Welcome Greetings**

•**Feng Zhang, Ph.D.**, RSI '99 & CEE Trustee; Investigator at the McGovern Institute for Brain Research at MIT; James & Patricia Poitras Professor of Neuroscience at MIT; Professor in the Department of Brain & Cognitive Sciences & of Biological Engineering at MIT; Core Member of the Broad Institute of MIT & Harvard; Investigator at the Howard Hughes Medical Institute; Founder of Sherlock Biosciences, Arbor Biotechnologies, Editas Medicine, & BEAM Therapeutics

•**Joann P. DiGennaro, Esq.**, President of CEE

**9:00AM**

*Broad Institute Auditorium*

**Nobel Laureate Panel Discussion**

\***Abhijit Banerjee, Ph.D.**, Ford Foundation International Professor of Economics at MIT; 2019 Nobel Prize Recipient in Economics

\***William G. Kaelin, Jr., M.D.**, Sidney Farber Professor of Medicine at the Dana-Farber Cancer Institute & at Brigham & Women's Hospital (Harvard Medical School); Investigator at Howard Hughes Medical Institute; 2019 Nobel Prize Recipient in Physiology or Medicine

\***Wolfgang Ketterle, Ph.D.**, CEE Trustee; John D. MacArthur Professor of Physics at MIT; Director of MIT-Harvard Center for Ultracold Atoms; Associate Director of the Research Laboratory of Electronics at MIT; 2001 Nobel Prize Recipient in Physics

\*Moderator: **Danielle Paulson**, RSI '20; Harvard University

**10:15AM**

*Broad Institute Auditorium*

**Starting & Financing a Business Panel Discussion**

\***Pranav Adani**, CEE Trustee; Director of Adani Enterprises Limited (Adani Group)

\***Helen Han**, RSI '05; CEO & Founder of Piqed; Angel Investor

\***Nader M. Hariri**, RSI '94 & CEE Trustee; Chairman & CEO of Gateways Venture Holding

\***Tom Leighton, Ph.D.**, CEE Trustee; CEO & Co-Founder of Akamai Technologies

\*Moderator: **Nina Vasan, M.D., M.B.A.**, RSI '01; Clinical Assistant Professor of Psychiatry at Stanford; Founder & Executive Director at Brainstorm: The Stanford Lab for Mental Health Innovation; Angel Investor

**11:30AM**

*Broad Institute Auditorium*

**Keeping an Eye on AI Panel Discussion**

\***Michael Huang**, RSI '22; MIT

\***Sean Kanuck, Esq.**, RSI '88; CEO of EXEDEC; Affiliate at Stanford University's Center for International Security & Cooperation

\***Apoorva Panidapu**, RSI '22; Stanford University

\*Moderator: **Arvind Parthasarathi**, RSI '90 & CEE Trustee; Founder & CEO of CYGNVS

**12:30PM**

**Lunch Break – Enjoy Cambridge with Your Friends!** 😊

**2:00PM – 4:00PM**

*Broad Institute*

**Alumni Talks (2<sup>nd</sup> Floor Conference Rooms: Monadnock & Yellowstone)**

**4:00PM**

**Break**

**6:30PM**

*Boston Cambridge Marriott*

**Gala Dinner Reception (Sponsored by Two Sigma)**

\***Richard Ouyang**, RSI '14, Vice President of Quantitative Research at Two Sigma

**7:30PM**

*Boston Cambridge Marriott*

**40<sup>th</sup> Anniversary Gala Dinner**

**Sunday, October 15, 2023**

**9:00AM**

*Broad Institute Lobby*

**Continental Breakfast**

**10:00AM**

*Broad Institute Auditorium*

**Alumni Meeting**

\*Moderator: **Marc Horowitz**, RSI '87; Software Engineer at Meta Platforms, Inc.

**11:30AM**

*Broad Institute Olympus*

**Board of Trustees Luncheon Meeting**

## CEE ALUMNI TALKS AT THE BROAD INSTITUTE

TIME	MONADNOCK ROOM	YELLOWSTONE ROOM
2:00PM	<p><b><i>Generating Rhythm Game Music with Jukebox</i></b></p> <p><b>*Nicholas H. Yan</b> RSI '23 Farragut High School, Knoxville, TN</p>	<p><b><i>Herding Cats: Leadership &amp; Negotiation with High Performing Individuals to Build a Nationally Ranked Program</i></b></p> <p><b>*Jason L. Koh, M.D., M.B.A</b> RSI '85 Mark R. Neaman Family Chair of Orthopaedic Surgery &amp; Director at the Orthopaedic &amp; Spine Institute, NorthShore University HealthSystem; Clinical Professor at the University of Chicago Pritzker School of Medicine; Adjunct Professor at Northwestern University McCormick School of Engineering</p>
2:20PM	<p><b><i>Waymo &amp; the Road to Autonomous Vehicles</i></b></p> <p><b>*Andrew H. Chatham</b> RSI '97 Distinguished Software Engineer at Waymo</p>	<p><b><i>COVID-19 Test Diagnostics: Implementation &amp; Inequity</i></b></p> <p><b>*Victoria Wong Murray</b> USABO '06 Medical Student at Rowan University School of Osteopathic Medicine</p>
2:40PM	<p><b><i>What is the Opposite of a Quantum Computer?</i></b></p> <p><b>*Steven P. Strong, Ph.D.</b> RSI '84 &amp; CEE Board Vice Chairman Founder &amp; Principal of Fenrir LLC</p>	<p><b><i>The Ticking DNA Clock: The Surprising Biology Underlying Huntington's Disease</i></b></p> <p><b>*Steven A. McCarroll, Ph.D.</b> RSI '88 Institute Member of the Broad Institute of MIT &amp; Harvard; Director of Genomic Neurobiology for the Broad's Stanley Center for Psychiatric Research; Dorothy &amp; Milton Flier Professor of Biomedical Science &amp; Genetics in Harvard Medical School's Department of Genetics &amp; Blavatnik Institute</p>
3:00PM	<p><b><i>Soaring Above It All: Flying as a Hobby</i></b></p> <p><b>*Douglas E. Heimburger</b> RSI '95 CFO/Vice President of Worldwide Operations Finance at Amazon</p>	<p><b><i>Solving the Public Health Problem of Iron Deficiency</i></b></p> <p><b>*Steve Fein M.D., M.P.H.</b> RSI '89 Founder of Heme Onc Call</p>
3:20PM	<p><b><i>Using Supercomputers to Simulate Galaxy Evolution (&amp; Why That's Fun!)</i></b></p> <p><b>*Molly S. Peeples, Ph.D.</b> RSI '00 Aura Associate Astronomer at the Space Telescope Science Institute; Research Scientist at Johns Hopkins University</p>	<p><b><i>Fighting Alzheimer's</i></b></p> <p><b>*X. William Yang, M.D., Ph.D.</b> RSI '85 Professor &amp; Terry Semel Chair in Alzheimer's Disease Research &amp; Treatment at the Center for Neurobehavioral Genetics at the Semel Institute for Neuroscience &amp; Human Behavior Brain Research Institute, Department of Psychiatry &amp; Biobehavioral Sciences, David Geffen School of Medicine at UCLA</p>
3:40PM	<p><b><i>Australian Aboriginal Art</i></b></p> <p><b>*Mark Kantrowitz</b> RSI '84, CEE Trustee, &amp; RSI '22 &amp; '23 Director President of Cerebly, Inc.</p>	<p><b><i>Green Juice &amp; Green Beer</i></b></p> <p><b>*Olgica B. Bakajin, Ph.D.</b> RSI '91 CEO &amp; Founder of Porifera</p>

# Excellence

Center for Excellence in Education

## 40<sup>TH</sup> ANNIVERSARY GALA DINNER

*Boston Marriott Cambridge*

*Cambridge, Massachusetts*

*Saturday, October 14, 2023, 7:30PM*

\*Moderator: **Frederick Y. Chen, M.D., Ph.D.**, RSI '86 & CEE Trustee

- **Presentation of Flags – U.S.S. Constitution Color Guard**
- ***National Anthem***
  - **Scott A. Schaffer, RSI '84, & Family (Tracy J. Prince, Ph.D., Zadie Schaffer, & Price Schaffer)**
- **Pledge of Allegiance**
- **Melody of Songs**
  - ❖ ***America the Beautiful***
  - ❖ ***What a Wonderful World***
  - ❖ ***Somewhere Out There***

\*Moderator: **Richard Simon**, RSI '86

- **Introduction of CEE Trustees**
- **Introduction of Honorees**
- **Dinner**
- **Remarks**
  - **Joann P. DiGennaro, Esq.**, President of CEE
- **Keynote**
  - **Feng Zhang, Ph.D.**, RSI '99 & CEE Trustee; Investigator at the McGovern Institute for Brain Research at MIT; James & Patricia Poitras Professor of Neuroscience at MIT; Professor in the Department of Brain & Cognitive Sciences & of Biological Engineering at MIT; Core Member of the Broad Institute of MIT & Harvard; Investigator at the Howard Hughes Medical Institute; Founder of Sherlock Biosciences, Arbor Biotechnologies, Editas Medicine, & BEAM Therapeutics
- **Presentation of Medals of Excellence**
  - **Awarded by Mel Chaskin**, CEE Board Chairman; President & CEO, Vanguard Research, Inc., & **Joann P. DiGennaro, Esq.**, President of CEE
  - **Honored Recipients (Admiral Bobby R. Inman, Sanjay Palsamudram, & Gayle E. Wilson)**
- **Introduction of RSI & USABO Alumni Classes (1984 – 2023)**
- **Moment of Silence – In Memoriam**
- **Closing Vocal Music**
- **Admiral H. G. Rickover's 60 Minutes Interview with Diane Sawyer**