



Publications of the Week

Human Plasma Proteomic Profile of Clonal Hematopoiesis

First Author: Zhi Yu (*pictured*) | Senior Authors: Peter Libby, Rajat Gupta, and Pradeep Natarajan
Nature Communications | Massachusetts General Hospital, Broad Institute, Harvard Medical School, Brigham and Women's Hospital, Beth Israel Deaconess Medical Center, Dana-Farber Cancer Institute, and Boston Children's Hospital



Plasma proteomic profiles associated with subclinical somatic mutations in blood cells may offer insights into downstream clinical consequences. The authors explore these patterns in clonal hematopoiesis of indeterminate potential, which is linked to several cancer and non-cancer outcomes, including coronary artery disease. [Abstract](#)

A Stochastic RNA Editing Process Targets a Select Number of Sites in Individual *Drosophila* Glutamatergic Motoneurons

First Author: Andrés Crane (*pictured*) | Senior Author: Troy Littleton
eLife | The Picower Institute



RNA editing is a post-transcriptional source of protein diversity and occurs across the animal kingdom. Given the complete profile of mRNA targets and their editing rate in individual cells is unclear, single-cell RNA transcriptomes obtained by Patch-seq from *Drosophila* larval glutamatergic motoneuron subtypes were analyzed to determine the most highly edited targets and identify single neuron editing rules. [Abstract](#) | [Press Release](#)

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Awards

Dr. Naoshige Uchida Named Jeff C.Tarr Professor

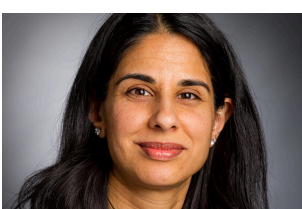
Harvard University Department of Molecular and Cellular Biology



Dr. Naoshige (Nao) Uchida (*pictured*), a leading neuroscientist whose work has reshaped our understanding of learning, decision-making, and sensory processing, has been appointed the Jeff C. Tarr Professor of Molecular and Cellular Biology. Uchida joined Harvard in 2006 as an Assistant Professor and quickly emerged as a core member of the neuroscience community. [Read More](#)

Dana-Farber Cancer Institute Is Awarded \$20 Million Grant from the Elaine and Eduardo Saverin Foundation

Dana-Farber Cancer Institute



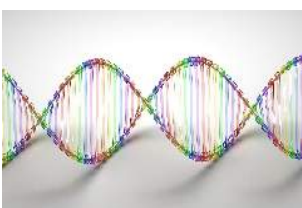
The Elaine and Eduardo Saverin Foundation has awarded Dana-Farber Cancer Institute an extraordinary \$20 million grant to advance metastatic breast cancer research and care. Our support for Dana-Farber reflects our commitment to advancing therapies that make a difference for patient wellbeing," said Elaine Saverin (*pictured*), Co-Founder of the Foundation. [Read More](#)

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Local News

eGenesis: From New Genome Engineering Techniques to Solving the Organ Donor Shortage

Wyss Institute



Nearly 90,000 people in the U.S. are waiting for a kidney transplant, and 11 people die every day while waiting for a kidney. Government funding for synthetic biology and gene therapy enabled the development of genome engineering technology that is used by a Wyss startup to engineer safe and functional pig kidneys, the first three of which have been successfully transplanted into patients, offering a new solution to this gigantic problem. [Read More](#)

Q&A: How an Academic-Industry Alliance Is Reshaping the Way Research Can Lead to New Medicines

Broad Institute



Sevabertinib is the first FDA-approved cancer treatment to come from a Broad discovery, and is the result of a unique and more than decade-long alliance between Broad and Bayer scientists. Broad researchers Drs. Matthew Meyerson (*pictured, left*) and Heidi Greulich (*right*) describe how the drug was developed, the challenges that nearly stalled the effort, and the future outlook for new cancer drugs. [Read More](#)

Prefrontal Cortex Reaches Back into the Brain to Shape How Other Regions Function

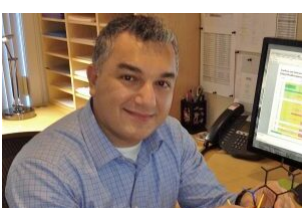
The Picower Institute



A new MIT study, led by Dr. Mriganka Sur (*pictured*), Professor in the Picower Institute for Learning and Memory and MIT's Department of Brain and Cognitive Sciences, illustrates how areas within the brain's executive control center tailor their messages in specific circuits with other brain regions to influence them with information about behavior and internal feelings. [Read More](#)

MIT Chemists Synthesize a Fungal Compound That Holds Promise for Treating Brain Cancer

MIT News



For the first time, MIT chemists led by Dr. Mohammad Movassaghi (*pictured*) have synthesized a fungal compound known as verticillin A, which was discovered more than 50 years ago and has shown potential as an anticancer agent. The compound has a complex structure that made it more difficult to synthesize than related compounds, even though it differed by only a couple of atoms. [Read More](#)

Walker Lab Researchers Identify Why Some People with HIV Achieve Remission After Antibody Treatment

Ragon Institute



Researchers led by Dr. David Collins (*pictured, left*) and Bruce Walker (*right*) have discovered why some people living with HIV who are given a treatment called broadly neutralizing anti-HIV antibodies can safely stop taking standard, lifelong HIV medications and maintain control of the virus for years, while others given the same treatment do not achieve this remission. [Read More](#)

What We Need to Know to Stop a Listeria Outbreak

Harvard Medical School



Listeriosis is the third-leading cause of death from food poisoning in the country. Dr. Darren Higgins (*pictured*) has been studying listeria and other so-called intracellular bacteria for decades. Understanding how these bacteria enter, reproduce, and thrive inside host cells is key to finding better ways to prevent and treat the illnesses they cause and to deepening our understanding of human health. [Read More](#)

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📅 Upcoming Events in Boston

- | | |
|-------------------------|---|
| December 11
7:30 am | MGB Gene and Cell Therapy Institute Third Annual Symposium
399 Revolution Drive |
| December 11
8:00 am | 2025 Advancing Drug Development Forum
UMASS Club |
| December 11
9:00 am | Boston International Symposium: Accelerating PSC-Derived Cell Therapies — Starting with the End in Mind
Hyatt Regency Cambridge |
| December 11
11:30 am | Launch a Life Science Startup: Strategies for Success in Biotech & Beyond
Online |
| December 11
3:00 pm | The Dish with Johannes ft. Phillip Sharp: LIVESTREAM
Online |

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📁 Science Jobs in Boston

- Postdoctoral Research Associate, Biology**
Northeastern University
- Research Scientist**
Brigham and Women's Hospital
- Senior Associate Scientist, Process Sciences**
Alnylam
- Scientist/Sr. Scientist, Antibody Characterization**
Manifold Bio
- Research Associate, Open Rank**
UMass Chan Medical School

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