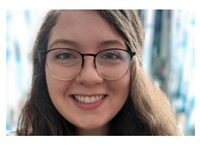


Volume 8.45: November 16, 2026

Publications of the Week

HuBMAP Data Portal: A Resource for Multimodal Spatial and Single-Cell Data of Healthy Human Tissues

First Author: Morgan Turner *(pictured)* | Senior Author: Nils Gehlenborg
Nature Communications | Brigham and Women's Hospital, Harvard Medical School, and Massachusetts General Hospital



The NIH Human BioMolecular Atlas Program (HuBMAP) Data Portal serves as a comprehensive repository for multimodal, multi-scale spatial, and single-cell data from healthy human tissues. As of August 2026, the portal hosts 9,316 public datasets from 26 data types spanning 29 organ classes across 501 donors. Here, researchers describe portal functionality, infrastructure, and design. **Abstract | Press Release**

Discovering Molecular Modulators with Nanoswitch Screening

First Author: Clinton Hansen and Mark Lipstein | Senior Author: Wesley Wong *(pictured)*
Science | Boston Children's Hospital, Harvard Medical School, Wyss Institute, and Blavatnik Institute



Molecular modulators can be challenging to discover, as standard screening approaches often lack throughput or fail to directly assay multibody interactions. To address these challenges, researchers developed FIND (Functional Interaction–based Nanoswitch Discovery), a platform for discovering compounds that induce or increase protein-protein interactions. **Abstract | Press Release**

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Awards

Ringel Lab Postdoctoral Fellow Claire McIntyre Receives Cytokine Society-Pfizer Junior Investigator Award

Ragon Institute



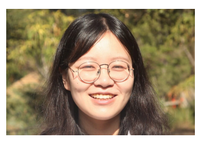
The Ragon Institute has announced that Dr. Claire McIntyre *(pictured)*, a postdoctoral fellow in the Ringel Lab, has received a 2026 Pfizer Junior Investigator Award from the Cytokine Society. Dr. McIntyre is one of four recipients of this year's award. Dr. McIntyre studies how lipids that accumulate in tumors affect T cells' ability to fight cancer, with the goal of improving adoptive cell therapies. **Read More**

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Local News

A Much-Needed New Way to Inactivate GPCRs, the Most Common Drug Targets

Harvard Medical School



New research seeks to control G protein-coupled receptors (GPCRs) signaling in a whole new way. Rather than blocking the receptors' activity, their strategy removes selected GPCRs completely. "GPCR degradation opens exciting new avenues for developing therapies for patients," said study co-senior author Dr. Xin Zhou *(pictured)* from Dana-Farber Cancer Institute. **Read More**

Researchers Create First Whole-Body Single-Cell Atlas of an Adult Vertebrate

Whitehead Institute



In a new study, researchers profiled more than 600,000 cells from across the fish to build the whole-body map of which genes are active in which cell, known as a single-cell transcriptome atlas. "Once you have a spatially resolved atlas, you know what cell types exist, but you also know the neighbors of those cell types in this context," says Dr. Kutay Deniz Atabay *(pictured)*, who led the work as a postdoctoral researcher. **Read More**

Featured Video: Changing the Conversation About Endometriosis

MIT News



Endometriosis affects more than 265 million women worldwide. A new documentary, "End of the Cycle," is changing the conversation about this painful disease. Alongside patient stories, the film features leading researchers and clinicians, including MIT Professor Linda Griffith *(pictured)*, Director of the Center for Gynepathology Research at MIT. **Read More**

Studying Bacteria and the Cells They Infect

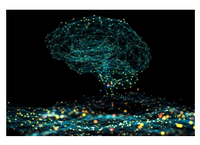
MIT News



Most biologists who study pathogenic microbes have focused on strains such as *Escherichia coli* or *Staphylococcus aureus*, which are not only important for human health, but also relatively easy to grow in the lab. Dr. Rebecca Lamason *(pictured)*, an MIT Associate Professor of Biology, wants to take a more expansive approach that includes bacteria that are more challenging to study. **Read More**

New Imaging Illuminates Herpes Link to Alzheimer's Disease

Tufts Now



A recently published study offers a real time view of what happens inside living human neurons during early stages of HSV-1 infection. It also provides clues to the biological steps that might connect infection with lasting damage related to neurodegenerative disorders. Dr. Maria Savvidou led the study with colleagues including Dr. David Kaplan and Irene Georgakoudi. **Read More**

An Unexpected Player in the Response to Low Oxygen

McGovern Institute



Dr. H. Robert Horvitz has been studying cells' response to low oxygen for decades. Now, his lab has linked the hypoxia response to another vital cellular process known as nonsense mediated decay (NMD), which protects cells by destroying certain faulty or unwanted RNA molecules. In studies of worms, postdoctoral researcher Dr. Calista Diehl *(pictured)* found that NMD is essential for aspects of the animals' response to low oxygen. **Read More**

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Upcoming Events in Boston

November 17-18, 8:00 AM — **AI in Healthcare & Pharma Summit**
The Hilton Boston Park Plaza

November 17, 5:30 PM — **The Boston Debate Showcase: The Great AI Debates**
Laugh Boston

November 18, 6:00 PM — **A Pox on Fools**
MIT Museum

November 19-20, 8:00 AM — **Pharma Partnering US Summit**
Hilton Boston Logan Airport

November 19, 12:00 PM — **Boston Symposium & Executive Networking Reception**
Boston Marriott Cambridge

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Science Jobs in Boston

Associate Research Director
Harvard University

Research Associate II, the Gerstner Center
Broad Institute

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Asimov

Associate Research Fellow
Pfizer

Associate Manager, Clinical Data Management
CRISPR Therapeutics

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