



Events

Subscribe

Jobs

Volume 15.27: July 17, 2023

Contact Us

in

Publications of the Week

A Multi-Ancestry Polygenic Risk Score Improves Risk Prediction for

Coronary Artery Disease First Authors: Aniruddh Patel and Minxian Wang | Senior Authors: Pradeep Natarajan and Amit Khera (pictured) Nature Medicine | Massachusetts General Hospital, Harvard Medical School, Broad Institute, and Verve Therapeutics

The authors develop a new and significantly improved polygenic score for coronary



Non-Small Cell Lung Cancer

data across five ancestries for CAD and ten CAD risk factors. GPS_{Mult} strongly associated with prevalent CAD in UK Biobank participants of European ancestry, identifying 20.0% of the population with 3-fold increased risk. Abstract | Press Release ALK Peptide Vaccination Restores the Immunogenicity of ALK-Rearranged

artery disease (CAD), termed GPS_{Mult}, that incorporates genome-wide association

First Author: Ines Mota | Senior Author: Roberto Chiarle (pictured) Nature Cancer | Boston Children's Hospital, Broad Institute, Dana-Farber Cancer Institute, Koch Institute, and Brigham and Women's Hospital

The authors identified immunogenic anaplastic lymphoma kinase (ALK) peptides to show that immune checkpoint inhibitors induced rejection of ALK⁺ tumors in the



flank but not in the lung. A single-peptide vaccination restored priming of ALKspecific CD8⁺ T cells, eradicated lung tumors in combination with ALK tyrosine kinase inhibitors and prevented metastatic dissemination of tumors to the brain. **Abstract** View All Publications (2)

Dr. Andrea Reboldi (pictured), an Associate Professor of pathology, is one of eight recipients of the Investigators in the Pathogenesis of Infectious Disease, award

View All Awards

UMass Chan Medical School

Awards

from the Burroughs Wellcome Fund, a private foundation dedicated to advancing biomedical science by supporting research and education in the United States.

Read More

Andrea Reboldi Awarded Burroughs Wellcome Fund Grant



2023 NSF Graduate Research Fellowship Recipients and Honorable

The awardees and honorable mentions for the 2023 National Science Foundation (NSF) Graduate Research Fellowship Program competition were recently posted and several Biology students were recognized. Biology PhD student Erin Frates,

Marine Science BA student Annabel Hughes, and Biology PhD student Renata Serio (pictured) were awarded with three-year graduate research fellowships. **Read More**



It Takes Three To Tango: Transcription Factors Bind DNA, Protein, and RNA Transcription factors are a well-known family of proteins, but new research from Whitehead Institute's Dr. Richard Young (pictured) and colleagues shows that the

> picture we have had of them is incomplete. The researchers reveal that along with DNA and protein, many transcription factors can also bind RNA. They found that RNA binding keeps transcription factors near their DNA binding sites for longer,

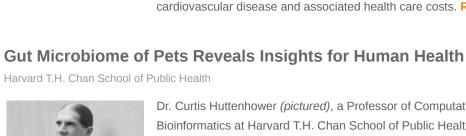
An apple a day not only keeps the doctor away, it also could save the United States at least \$40 billion in medical bills, reports Dr. Dariush Mozaffarian (pictured) and researchers. Their modeled implementation of a nationwide produce prescription program — which would provide free or discounted fruits and vegetables to eligible Americans living with diabetes — projected extensive reductions in national rates of

cardiovascular disease and associated health care costs. Read More

Billions in Healthcare Costs, Study Shows Tufts Now

Produce Prescription Programs for Patients With Diabetes Could Save

helping to fine tune gene expression. Read More



Dr. Curtis Huttenhower (pictured), a Professor of Computational Biology and Bioinformatics at Harvard T.H. Chan School of Public Health, studies the role that the microbiome plays in health and disease. He most often focuses on the human gut, but recently his research has expanded into pets, including dogs and cats. **Read More**

Arriving in the Bay Area after a childhood in increasingly diverse surroundings, Dr.

membranes. Read More

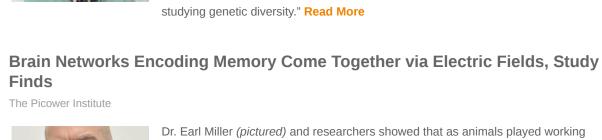
Read More

Medication Effective and Well Tolerated

A Scientist Devotes Her Career to Tackling Inequity in Genomics

studying genetic diversity." Read More

Alicia Martin (pictured) became acutely aware of health disparities and the profound differences in disease prevalence among different populations. "Seeing



Broad Institute

Dr. Earl Miller (pictured) and researchers showed that as animals played working memory games, the information about what they were remembering was coordinated across two key brain regions by the electric field that emerged from the underlying electrical activity of all participating neurons. The field, in turn, appeared

to drive the neural activity, or the fluctuations of voltage apparent across the cells'

radiomic data extracted from magnetic resonance imaging of people with a

common heart condition may help predict arrhythmic events and potentially sudden death in these patients. Scientists determined that including radiomic features in risk models improved predictions and identified a previously unknown feature as a

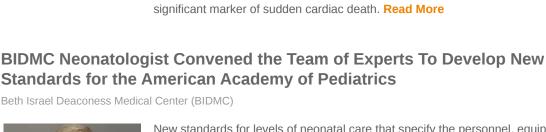
that massive gap, I was just really drawn to understanding the basis of those health disparities," Dr. Martin said. "I wanted to know how I could have any impact on

to Risk Models, Scientists Demonstrate Beath Israel Deaconnes Medical Center Physician-researchers with Dr. Reza Nezafat (pictured) investigated whether

significant marker of sudden cardiac death. Read More

First Large US Clinical Trial of Cytisinicline Finds the Smoking Cessation

Integrating Data from Magnetic Resonance Imaging Adds Prognostic Value



Massachussetts General Hospital

Treatment

Standards for the American Academy of Pediatrics New standards for levels of neonatal care that specify the personnel, equipment and services hospitals need to provide for newborns and families have been established by a team of neonatal leaders and experienced clinicians led by Dr. Ann Stark (pictured), a neonatologist at BIDMC, in her capacity as Medical Director of the NICU Verification Program for the American Academy of Pediatrics.

The first large-scale US clinical trial of cytisinicline, led by Dr. Nancy Rigotti

(pictured) found the smoking cessation medication to be effective and well tolerated in adults who wished to break their nicotine dependence. In a Phase III study, researchers reported that cytisinicline could offer adults who smoke a potential new

Shimony (pictured) highlights the potential association of elevated body mass index with inferior outcomes to treatment for acute lymphoblastic leukemia in adolescents

View All Articles 👂 | Submit an Article 😜

View All Events 🜖 | Submit an Event 🜖

View 75 Other Science Jobs 👂 | Submit a Job 👂

STEMCELI

The Stem Cell Podcast

Interviews and Updates on Stem Cell Science

Dana-Farber Cancer Institute As the US faces a growing obesity epidemic, scientists are taking a closer look at how body weight can affect health outcomes. New research led by Dr. Shai

Obesity and High Weight Linked to Adverse Outcomes in Leukemia

treatment option. Read More

and young adults. Read More

MassBioHub and Online

Senior Manager, Medical Writing (Infectious Disease)

Senior Clinical Scientist, Oncology Development

Christmas in July — MassBioHub Open House July 19 4:00 PM MassBioHub

July 20 1:00 PM

July 20

🖰 Upcoming Events in Boston



Moderna

Science Jobs in Boston

3rd mRNA-Based Therapeutics Summit The Westin Boston Seaport District 18th SCCT Annual Scientific Meeting Hynes Convention Center

2023 MassBio Diversity, Equity, and Inclusion Conference

Free Wallchart: Neural Stem Cells

STEMCELL Science News

BROUGHT TO YOU BY

Post Doctoral Fellow, US Early Development Sanofi Medical Science Liaison - Pulmonary New England Administrative Director, Disease Center Operations Dana-Farber Cancer Institute

STEMCELL Technologies

Products | Services

Submit your articles and events by reaching out to us at info@scienceinboston.com.

Free Weekly Updates on Your Field

SCIENCE IN THE CITY is an official mark of McMaster University and it is used and registered by STEMCELL Technologies Canada Inc. in Canada with the consent of McMaster University.