

# 2024 BIDMC RESEARCH RETREAT

## Award Winners

September 5<sup>th</sup> 2024  
The Joseph B. Martin Conference Center

Beth Israel Lahey Health 

Beth Israel Deaconess  
Medical Center



HARVARD MEDICAL SCHOOL  
TEACHING HOSPITAL

# 3<sup>rd</sup> Pitch IT! Competition

## Hosted by the Technology Ventures Office

### “Pitchers”

**Kathleen Mahoney, MD, PhD**, Instructor, *Medicine*  
*Target HHLA2-expressing tumors: Activate the Immune System/Attack the Tumor*

**Prateek Misra, MBBS, MMSCI**, Postdoctoral Researcher, *Orthopedics*  
*PR1P-Coated Sutures for Superior Wound Healing (AUDIENCE WINNER)*

**Carmelo Nucera, MD, PhD**, Associate Professor, *Pathology*,  
*Assessment of a new lincRNA as biomarker for the prediction of thyroid cancer (JUDGE'S WINNER)*



### Thank You to our Guest Judges

**Cherie Butts, PhD**, Medical Director, Therapeutics Development Unit, Biogen,  
and *Member of BIDMC Research Oversight Committee*

**Michael Draper, PhD**, Senior Vice President, Academic Partnerships-Lab eN2

**Mark Tepper, PhD**, President & CEO, Eumentis Therapeutics Inc.,  
and *BIDMC Venture Mentor*

# Poster Winners

## *Research and Academic Connection* – September 30 Fall Issue!



# POSTER COMPETITION WINNERS: Basic Research

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Monocyte transcriptomic landscape and inter-organ crosstalk between the liver, brain and bone marrow in a model of alcohol misuse in aging

**Marti Ortega Ribera, PhD**

Activation of medullary serotonergic cell subtypes differentially modulates breathing, upper airway tone, and arousal threshold during sleep as relevant for sleep-disordered breathing

**Parastoo Saberi, MD**

Unveiling the molecular basis of small activating RNAs activity

**Juan Rodrigo Patino, PhD**

Interdependent Regulation of Vascular Endothelial Adenosinergic Signaling by Estrogen and Hypoxia

**Jessica Cassavaugh, MD PhD**

The role of IDUA in cellular and mouse models of Alzheimer's disease

**Skarleth Cardenas Romero, PhD**

Particular Modification of N-glycans is Restricted to Synapses of Specific Neurons

**Maxence Noel, PhD**

# POSTER COMPETITION WINNERS: Clinical Research

Does perioperative antiplatelet use increase the risk of mortality among older adults undergoing operative hip fracture repair?

**Diviya Adithya Rajesh**

Long-term Outcomes Of Patients Transplanted For Acute Liver Failure In The United States: An Analysis Of The Unos Database

**Natalia M Rojas-Amaris, PhD**

Trends in Neonatal Vaccination: A Ten-Year Retrospective Study in a Large Delivery Center

**Maria Laura Mourao, MD**

Characterizing the Long-Term Immunogenicity of Mpox Virus Vaccine

**Audrey Mutoni**

A Mate-Kidney Analysis of Recipients from Older Donors After Cardiac Death Showed Prolonged Cold Ischemia Times are Associated with Delayed Allograft Function, Not Long-Term Outcomes

**Gabriel Cojuc-Konigsberg, MD**

Guideline adherence in Differentiated Thyroid Cancer: A nationwide analysis comparing multiple practice guidelines

**Rafael Martin, MD**

# POSTER COMPETITION WINNERS: Translational Research

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Acute inhibition of BMP signaling in adipocytes of mice leads to increased cold induced thermogenesis

**Deepti Ramachandran, PhD**

A Neuroprotective State of Suspended Animation

**Luis Henrique Angenendt da Costa, PhD**

Aberrant estrogen receptor alpha favors regulatory T-cell dysfunction in premenopausal females with autoimmune hepatitis

**Du Hanh Nguyen**

# POSTER COMPETITION WINNERS: Healthcare Services

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Beth Israel Deaconess  
Medical Center



## The Impact of Abortion Restrictions on Foster Care Entries and State-Involved Adoptions **Ashley O'Donoghue, PhD**