

MOLECULAR & TRANSLATIONAL BIOLOGY SYMPOSIUM



Symposium Schedule:



MARCH 7, 2025



1:00 PM - 8 PM



**INSTITUTE OF
MOLECULAR
MEDICINE**

1825 Pressler Street
Houston, Texas 77030

KEYNOTE BY:

**DR. DAVID
MCPHERSON MD,
FACP, FACC, FAHA**

CHAIR AND PROFESSOR, DEPARTMENT OF
INTERNAL MEDICINE
DIRECTOR, CARDIOVASCULAR MEDICINE
VICE PRESIDENT,
CENTER FOR CLINICAL AND TRANSLATIONAL
SCIENCES

**POSTERS!
TALKS!
EXCELENCE IN
SCIENCE**

1:00 - 2:00 PM

Breakthroughs in Molecular &
Translational Biology: **Poster Session**

2:00 - 2:10 PM

Opening Remarks by the Program
Directors

2:10 - 2:40 PM

2:10 - 2:40 pm: Rising Stars:
Pre-Candidacy Flash Talks

2:40 - 2:50 PM

BREAK

2:50 - 3:20 PM

Transformative Science:
Post-Candidacy Flash Talks

3:20 - 3:30 PM

BREAK

3:30 - 3:40 PM

Keynote Speaker Introduction

3:40 - 4:20 PM

**Keynote address by Dr. David
McPherson MD, FACP, FACC,
FAHA**

4:20 - 4:30 PM

Celebrating Excellence in Molecular &
Translational Biology:
Awards Ceremony

5:00 - 8:00 PM

Reception: The Dogwood 2403 Bagby
St, Houston, TX 77006

2025 MTB Spring Symposium

Rising Stars: *Pre-Candidacy Flash Talks*

March 7, 2025 at IMM

2:10 - 2:40 pm

Mirrah Bashir:

Two Targets, One Goal:

Shutting Down CAMKK2 and HIF to Starve Prostate Tumors

Cara Biddle:

The Promise of Multi-targeted ADC Therapy in Colorectal Cancer:

Epiregulin and Amphiregulin

Sophia Huang:

Estrogen-related receptors in muscle stem cell regeneration and

Duchenne muscular dystrophy

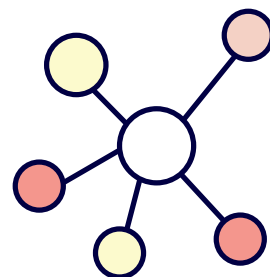
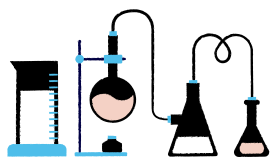
Sydney Wilbon:

The role of interleukin-6 receptor in the skeletal muscle

effects of glucagon-like peptide-1 receptor agonists

Julia Zickus:

Beyond Memory Loss: Imaging the Brain's Metabolic Clues



2025 MTB Spring Symposium

Transformative Science: Post-Candidacy Flash Talks

March 7, 2025 at IMM

2:50 - 3:20 PM

Jose Enriquez:

*Real-time Metabolic Imaging to Interrogate
Early Detection of Pancreatic Cancer*

Peyton High:

*Evaluation of EGFR and LGR5 Dual-targeting Therapeutic Strategies
for the Improved Treatment of Colorectal Cancer*

Ester Lujan:

*Beyond the Cancer Cell: CAMKK2 Modulates the Immune
Microenvironment to Drive Prostate Cancer Progression*

Nico Moreno:

The role of IL4: Microbiome Interactions in Acute Colitis

Anna Naglis:

*Changes in Microglial lncRNAs Expression in
Retinal Degenerative Disease*

