



**Weill Cornell  
Medicine**



UNIVERSITY of MARYLAND  
RADIATION ONCOLOGY



**Jefferson**<sup>®</sup>  
HEALTH IS ALL WE DO

# **ROBIN OligoMET Center**

## **Quarterly Update**

### **November 2022**

#### **News**

- **Dr. Mishra Named the Radiation Therapy Oncology Group (RTOG) Foundation Research Committee Co-Chair**
- **Dr. Lei Ren Appointed as Therapy S Scientific Program Director for American Association of Physicists in Medicine (AAPM)**
- **Dr. Mishra Voted “Top Doctor” in Baltimore Magazine**
- **Second Annual Research Symposium at Thomas Jefferson University**
- **ASTRO**

#### **New ROBIN OligoMET Center’s Website**

#### **New Social Media: Twitter**

#### **New Hires**

#### **Monthly Research Updates**

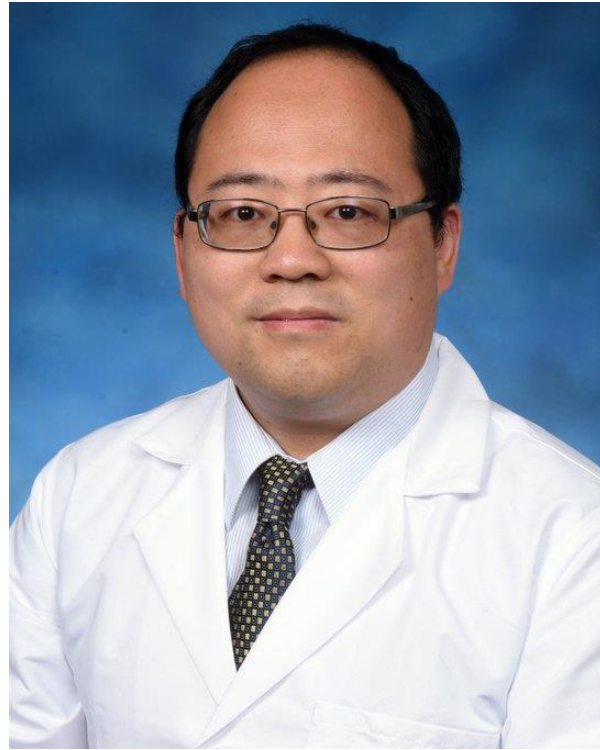
## News

### **Dr. Mishra Named the Radiation Therapy Oncology Group (RTOG) Foundation Research Committee Co-Chair**



On August 4<sup>th</sup>, **Dr. Mark Mishra** was named the Radiation Therapy Oncology Group (RTOG) Foundation Research Committee Co-Chair. He will work together with other committee members to provide guidance to RTOG Foundation's research program as well as oversee the group's protocol portfolio.

## Dr. Lei Ren Appointed as Therapy S Scientific Program Director for American Association of Physicists in Medicine (AAPM)



Congratulations to **Dr. Lei Ren** who was appointed as Therapy Scientific Program Director for American Association of Physicists in Medicine (AAPM) Annual Meeting in 2023. He was appointed for the second time in the last three years this September.

## Dr. Mishra Voted “Top Doctor” in Baltimore Magazine

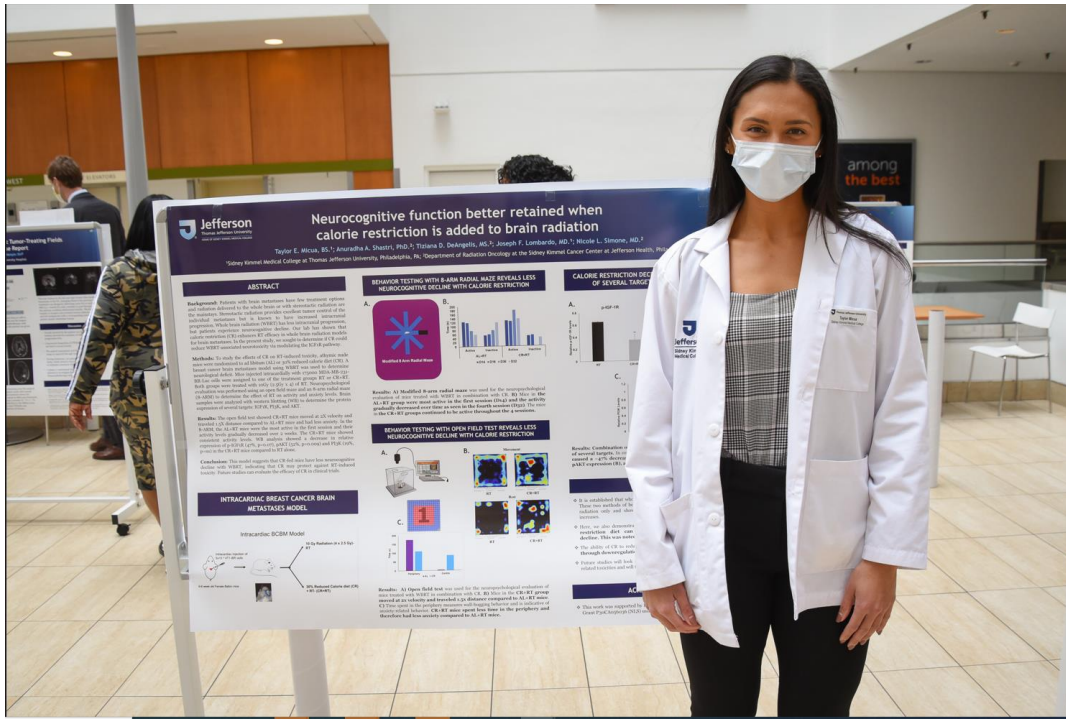


In October, **Dr. Mark Mishra** was recognized as one of “Top Doctors” in the Baltimore Magazine November 2022 issue which include doctors in 116 specialties and subspecialties as well as include over 600 doctors who received the highest recommendations.

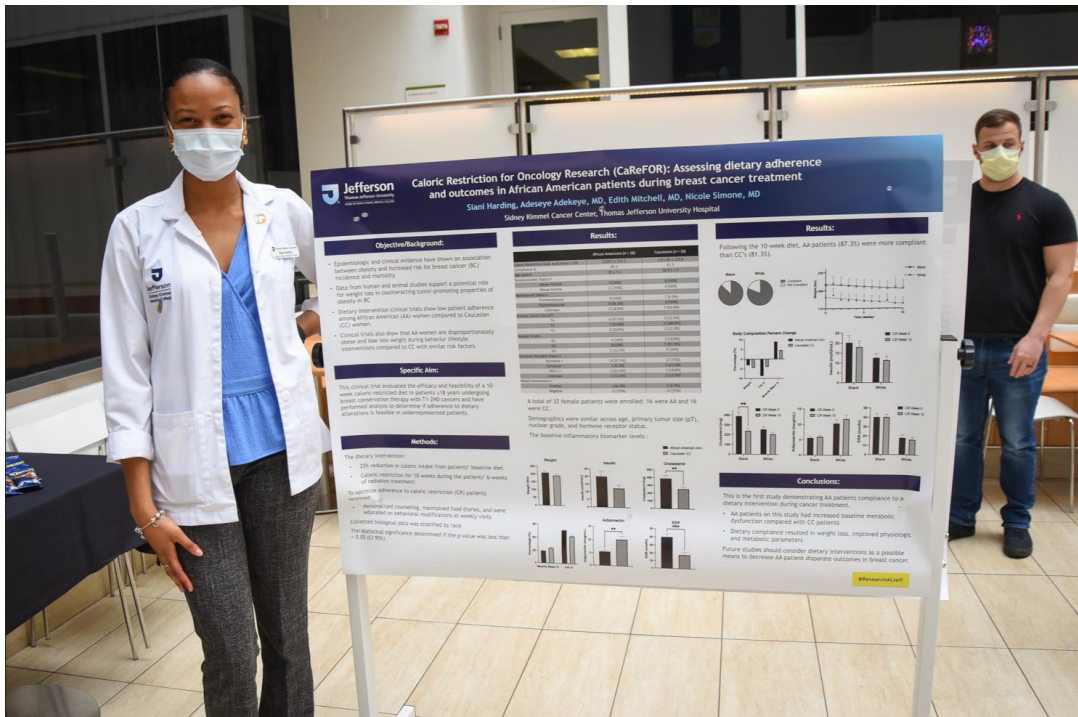
## Second Annual Research Symposium at Thomas Jefferson University



The Department of Radiation Oncology at Thomas Jefferson University holds a second Annual Research Symposium led by Dr. Adam Dicker, Chair, and Dr. Nicole Simone, Vice Chair of Research. This symposium was held on October and was attended by faculty, trainees, and students. All students and trainees presented their posters to showcase their research and advancements in cancer care. Below are some photos taken during this event.



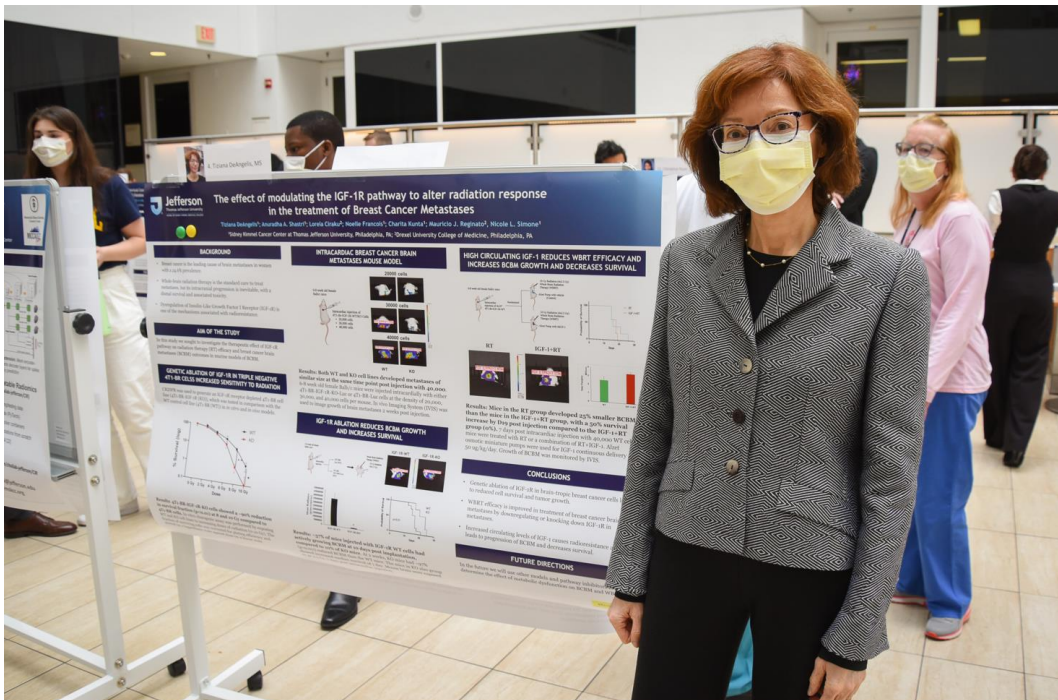
Taylor Micua, research technician and student, presented her abstract on, “Neurocognitive function better retained when calorie restriction is added to brain radiation.”



Siani Harding, student, presented her abstract on, “Caloric Restriction for Oncology Research (CaReFOR): Assessing dietary adherence and outcomes in African American patients during breast cancer treatment.”

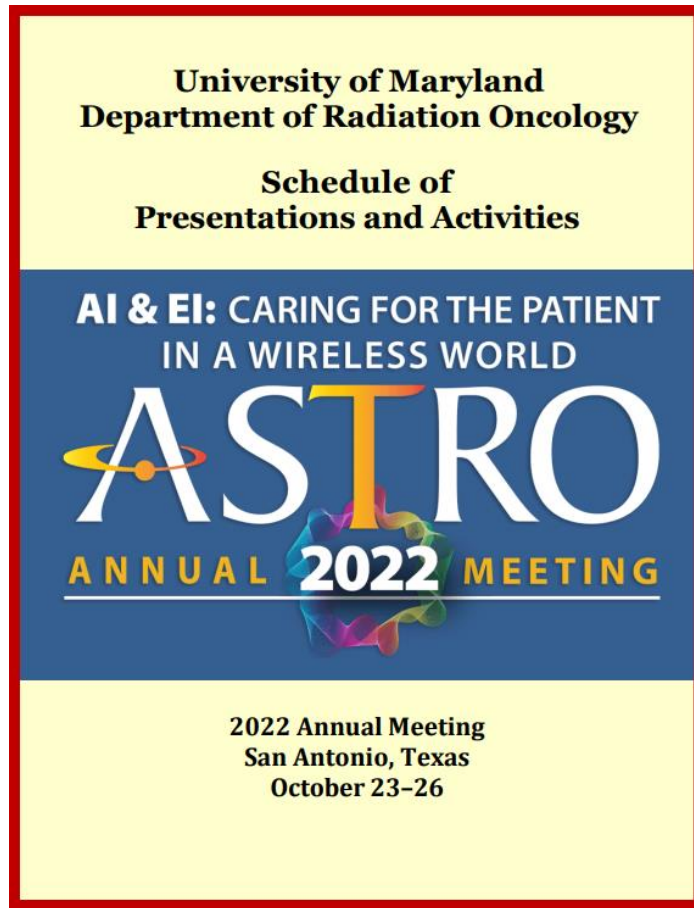


Noëlle François, new master's student, presented her abstract on, "Calorie Restriction can ameliorate Radiation Induced skin toxicity and fibrosis."



Tiziana DeAngelis, Director of Occupational Therapy Doctorate Program Center City Campus, presented her abstract on, "The effect of modulating the IGF-1R pathway to alter radiation response in the treatment of Breast Cancer Metastases."

## ASTRO



The following ROBIN OligoMET Center members listed below include those who attended the American Society for Radiation Oncology (ASTRO) during the 2022 annual meeting on October 23-26.

### **University of Maryland Baltimore:**

- Amit Sawant, PhD
- Lei Ren, PhD (Presenter, Moderator)
- Mark Mishra, MD (Moderator)
- Phuoc Tran, MD, PhD (Presenter, Moderator)
- Soren Bentzen, PhD, DMSc (Presenter)

### **Thomas Jefferson University:**

Nicole Simone, MD



**Dr. Søren Bentzen** presented on, “Modeling complex data sets of radiation dose-response data as impacted by multiple critical variables (developmental status, chemotherapy, other risk factors).”



In this photo, **Dr. Phuoc Tran** served as the presenting author on, “Phase II randomized study of salvage radiation therapy (SRT) plus enzalutamide or blinded placebo for highrisk PSA-recurrent prostate cancer after radical prostatectomy: The SALV-ENZA trial.”





In this photo, **Dr. Lei Ren** is on the far right. He served as a moderator for the “Multi-vendor environment in the clinic: What works, what doesn’t, and what next” as well as “Clinical implementation and translation of AI in radiation oncology: Challenges, pitfalls, and promises” among others.



Dr. Mark Mishra served as a moderator for, “Incorporating the patient voice: A session focused on PROs and survivorship.”

# New ROBIN OligoMET Center's Website

## Division of Translational Radiation Sciences

Departments > Department of Radiation Oncology > Divisions > Division of Translational Radiation Sciences > ROBIN OligoMET Center

Division of Translational Radiation Sciences

Our Team

Basic and Translational Radiation Research

Medical Countermeasure Program

ROBIN OligoMET Center

Resources

Contract Research Services and Collaborations

Research Partners

Training and Education


Collaborate with Us

### ROBIN OligoMET Center

#### Welcome

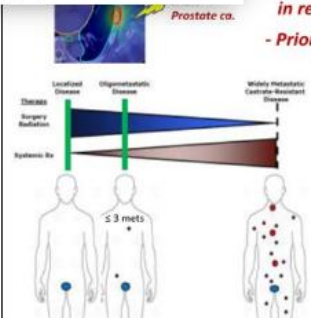
Welcome to our ROBIN OligoMET Center's website! We are currently building our webpage to update you with the latest information and news.

There will be more coming soon, so stay tuned!



ation Oncology-Biology Integration Network on Oligometastasis Center)  
Amit Sawant, UMD Baltimore; Nicole Simone, T. Jefferson U.

- **Interplay between primary macro- and micro-metastatic disease in response to consolidation stereotactic ablative radiation (SABR)**
- **Prioritize mechanism/targets for functional validation; predict benefit**



Localized Disease    Oligometastatic Disease    Widely Metastatic Disease

Standard of Care: Surgery, Radiation, Systemic Rx

≤ 3 mets

- **Molecular Characterization Trial**
  - ✓ Leverages randomized Phase 2 trial of oligo-met prostate – SABR
  - ✓ Genomics, Radiomics, CTC liquid biopsies, plasma proteomics, radiomics and metabolomics
- **P1 Identify intrinsic and TME plasticity mechanisms modulated by SABR that affect metastatic proclivities**
  - ✓ Epithelial-Mesenchymal Plasticity (EMP) programs
  - ✓ Biological basis of oligo-niche v widespread dissemination- in resp. to SABR
- **P2 Determine how ethnic background affects immunity-metabolism in RT response**
  - ✓ Lipidomics, TCR immuno-profiling, GI microbiome
  - ✓ Cancer disparities research

NIH NATIONAL CANCER INSTITUTE

The ROBIN OligoMET Center's [website](#) went live on November 10<sup>th</sup>! Information on the U54 grant research, team members, research updates, and highlights can be found here with more information/updates to follow.

## New Social Media: Twitter



The ROBIN OligoMET Center officially launched Twitter on November 10<sup>th</sup> on the same day as the website. This Twitter will be utilized to communicate the ROBIN Center’s announcements, highlights, news articles, awards, job posts, relevant social activities, among others. Please follow @ROBINOligoMETCenter for more info. If you’d like to request a tweet from this account, please contact [jadynstewart@som.umaryland.edu](mailto:jadynstewart@som.umaryland.edu) with photo and details.

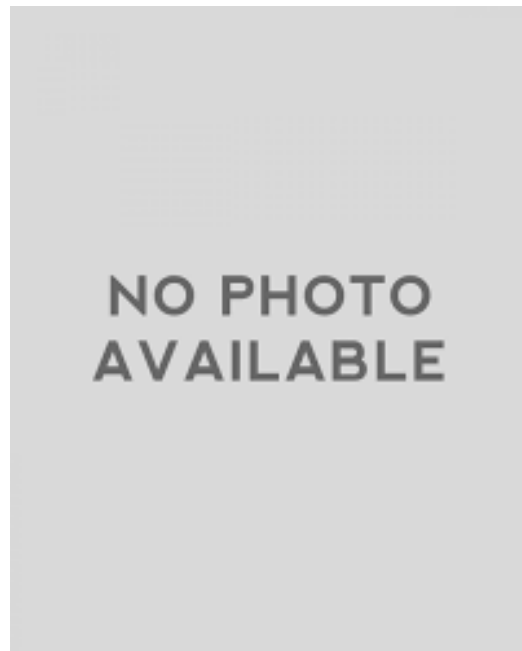
## New Hires



Priyanshi Patel, High School student intern, started in Dr. Phuoc Tran’s lab in August.



Jady Stewart, program manager, joined in September.



Xiao Ling, post-doctoral fellow, joined Dr. Lei Ren's lab in September.

## Monthly Research Updates

<b>AUGUST AT A GLANCE TOTALS</b>	
Publications	6
Grants and contracts	
New awards	2
Submitted	0
Oral Presentations	2
Abstracts	0
Clinical trials	
TERPS	0
Awards/Honors	2

<b>SEPTEMBER AT A GLANCE TOTALS</b>	
Publications	3
Grants and contracts	
New awards	3
Submitted	1
Oral Presentations	2
Abstracts	2
Clinical trials	
TERPS	0
Awards/Honors	1

<b>OCTOBER AT A GLANCE TOTALS</b>	
Publications	6
Grants and contracts	
New awards	0
Submitted	2
Oral Presentations	10
Abstracts	4
Clinical trials	
TERPS	2
Awards/Honors	1