

# Henry Ford + MSU Cancer Research Symposium

*Maximum Impact: Working Together to Eliminate Cancer in Our Patients and Community*

## AGENDA

November 7-8, 2024

Cambria Hotel

600 W Lafayette Blvd., Detroit

*For any questions, please contact Manpreet Kaur, [mkaur1@hfhs.org](mailto:mkaur1@hfhs.org)*

---

## THURSDAY, NOVEMBER 7, 2024

---

4:30 – 8:00 pm **NETWORKING: THE LAFAYETTE ROOM**

4:30 – 6:00 **Networking over drinks and hors d'oeuvres**

6:00 - 6:15 **Introduction and Opening Remarks**

*Norman Hubbard, MBA, Adnan Munkarah, M.D. and Steven Kalkanis, M.D.*

6:15 – 6:30 **Progress and Updates**

*Benjamin Movsas, M.D., Jeffrey MacKeigan, Ph.D., and Derek Raghavan, M.D.*

6:30 - 7:30 **Cancer Center Next Steps and Panel Discussion**

*Benjamin Movsas, M.D., Jeffrey MacKeigan, Ph.D., and Derek Raghavan, M.D.*

7:30 – 8:00 **Networking over drinks and hors d'oeuvres**

---

## FRIDAY, NOVEMBER 8, 2024

---

7:30 – 8:30 am **Registration and Breakfast**

### SESSION 1A THE LAFAYETTE ROOM

---

8:30 – 9:30 am **PATIENT ENGAGEMENT IN CANCER RESEARCH**

*Session Chairs: Sara Santarossa, Ph.D.*

- 8:30-8:40 **Overview of and Opportunities for Patient Engagement in Cancer Research**  
*Sara Santarossa, Ph.D., Henry Ford Health*
- 8:40-8:50 **Patient Engagement in Basic Cancer Research**  
*Ramandeep Rattan, Ph.D., Henry Ford Health*
- 8:50-9:00 **Patient Engagement in Provider Initiated Cancer Research**  
*Samantha Tam, M.D., Henry Ford Health*
- 9:00-9:10 **Patient Engagement in Health Services Research**  
*Eric Adjei Boakye, Ph.D., Henry Ford Health*
- 9:10-9:20 **Patient and Community Engagement Research**  
*Kent D. Key, Ph.D., Michigan State University*
- 9:20-9:30 **Patient Engagement in the PERC Patient Advisor Program**  
*Linda Stechison, Henry Ford Health PERC Patient Advisor*

## SESSION 1B SALA BALLROOM

---

- 8:30 – 9:30 am **CANCER IMAGING AND IMAGE- GUIDED THERAPIES INCLUDING NANOTECHNOLOGIES**  
*Session Chair: Anna Moore, Ph.D.*
- 8:30-8:45 **Strategies for Alpha-particle Radiation Therapy of Cancer**  
*Kurt Zinn, Ph.D., Michigan State University*
- 8:45-9:00 **Leveraging Nanoparticle Protein Corona Proteomics for Enhanced Disease Detection**  
*Morteza Mahmoudi, Ph.D., Michigan State University*
- 9:00-9:15 **Breast Cancer Imaging and Adjunct Screening Updates**  
*Sabala Mandava, M.D., Henry Ford Health*
- 9:15-9:30 **Theranostics: current status of treatment with Lu-177 Dotatate and Lu-177 PSMA 617**  
*Kevin O'Brien, M.D., Henry Ford Health*

## BREAK

---

9:30 – 9:45 am

## SESSION 2A SALA BALLROOM

---

- 9:45 – 10:45 am **CARDIO-ONCOLOGY: MAXIMUM IMPACT FOR DIVERSE PATIENTS ACROSS THE CANCER CONTINUUM**  
*Session Chair: Christine Neslund-Dudas, Ph.D.*
- 9:45-9:57 **The Oncologist's Perspective on Cardio-Oncology**

*Clara Hwang, M.D., Henry Ford Health*

**9:57-10:09 The Cardiologist's Perspective on Cardio-Oncology**

*Yelena Selektor, M.D., Henry Ford Health*

**10:09-10:21 The Henry Ford ExCITE Program- Translating Exercise Oncology Research into Practice**

*Dennis Kerrigan, Ph.D., Henry Ford Health*

**10:21-10:33 The Potential of FDA Approved Agents to Mitigate Radiation Induced Heart Injury**

*Stephen Brown, Ph.D., Henry Ford Health*

**10:33-10:45 Cardio-Oncology at HF+MSU: Where do we go from here?**

*Madhulata Reddy, M.D., Henry Ford Health*

---

## **SESSION 2B THE LAFAYETTE ROOM**

9:45 – 10:45 am **GYNECOLOGIC CANCER RISK AND PREVENTION**

Session Chairs: *Ronald Chandler, Ph.D. and Miriana Hijaz, M.D.*

**9:45-10:00 Outcomes Associated with Levonorgestrel- Releasing Intrauterine Device Use for Treatment of Endometrial Intraepithelial Neoplasia or Clinically Early-Stage, Low-Grade Endometrial Adenocarcinoma**

*Alicia Speak, D.O., Henry Ford Health*

**10:00-10:15 Novel Therapeutics for Combatting Microtubule Associated Chemo-Resistance**

*James Lord, Ph.D. student, Michigan State University*

**10:15-10:30 The Predictive Value of CA-125 of radiographic Evidence of Metastasis in Aggressive Subtypes of Endometrial Cancer**

*Madison Miller, M.D., Henry Ford Health*

**10:30-10:45 Precision Control and Monitoring of Cancer Chemotherapy Using a Magnetic Particle Imaging-Based Nanoplatfrom**

*Yapei Zhang, Ph.D., Postdoctoral Fellow, Michigan State University*

---

## **BREAK**

10:45 – 11:00 am

---

## **SESSION 3A THE LAFAYETTE ROOM**

11:00 – 12:00 pm **ORAL PRESENTATION AWARDEES**

Session Chairs: *Kelly Hirko, Ph.D. and Ling Huang, Ph.D.*

**11:00-11:15 First Use of Cesium-131 Embedded Collagen Tiles for Brachytherapy in the Spine: Combined Surgical Resection and Brachytherapy for Recurrent Rectosigmoid Adenocarcinoma Metastasis to the Sacrum**

*Anisse Chaker, M.D., Henry Ford Health*

- 11:15-11:30 **Leveraging Multifaceted Patient Data and Patient-Reported Outcomes for Prediction of Survival**  
*Sandhya Kilari, Graduate Student, Michigan State University*
- 11:30-11:45 **VPS72 Controls Regulatory T Cell Adaptation and Stability in the Tumor Microenvironment**  
*Kalpna Subedi, Ph.D., Henry Ford Health*
- 11:45-12:00 **Noninvasive Classification of Central Nervous System Tumors Using cfDNA Methylation Profiling: Development and Validation of a Multiclass Random Forest Model**  
*Bogdan Done, Ph.D., Henry Ford Health*

---

## SESSION 3B SALA BALLROOM

---

- 11:00 – 12:00 pm **ADVANCING GENOMIC LANDSCAPES: INNOVATIONS IN SPATIAL TRANSCRIPTOMICS**  
Session Chair: *Nallasivam Palanisamy, Ph.D.*
- 11:00-11:15 **Introduction**  
*Howard Crawford, Ph.D., Henry Ford Health*
- 11:15-11:30 **Human Pancreatic Cancer Single Cell Atlas Reveals Association of CXCL10+ Fibroblasts and Basal Subtype Tumor Cells**  
*Nina Steele, Ph.D., Henry Ford Health*
- 11:30-11:45 **Spatial Transcriptomics in Skin Cancer and Inflammatory Diseases**  
*Jesse Veenstra, M.D., Henry Ford Health*
- 11:45-12:00 **Elucidating Cellular Heterogeneity in Prostate Cancer Using Stereo sequencing**  
*Nallasivam Palanisamy, Ph.D., Henry Ford Health*

---

## SESSION 4 BALLA ULTRA LOUNGE

---

- 12:00 – 1:30 pm **POSTER SESSION AND LUNCH**

---

## SESSION 5 SALA BALLROOM

---

- 1:30 – 2:30 pm **KEYNOTE**  
Session Chair: *Anna Moore, Ph.D.*  
**Oncofertility: Bench to Bedside to Babies**  
*Teresa Woodruff, Ph.D., Michigan State University*

---

## BREAK

---

- 2:30 – 3:00 pm **Group Photo**

## SESSION 6 SALA BALLROOM

---

3:00 – 4:30 pm **EMERGING RESEARCHERS AT MICHIGAN STATE UNIVERSITY AND HENRY FORD HEALTH**

Session Chairs: Benjamin Rybicki, Ph.D. and Dohun Pyeon, Ph.D.

3:00-3:15 **Stress Keratin 17 Contributes to Immunosuppression in Cancers**  
*Wei Wang, Ph.D., Michigan State University*

3:15-3:30 **Oncogenic Roles of Extrachromosomal DNA in Cancers**  
*Eunhee Yi, Ph.D., Michigan State University*

3:30-3:45 **Systemwide Characterization of the ERK Program That Drives Pancreatic Cancer**  
*Jennifer Klomp, Ph.D., Michigan State University*

3:45-4:00 **Defining the KRAS-Regulated Transcriptome in KRAS-Mutant Pancreatic Cancer**  
*Jeffrey Klomp, Ph.D., Michigan State University*

4:00-4:15 **Knowledge of Head and Neck Cancers among Arab Americans in Michigan**  
*Eric Adjei Boakye, Ph.D., Henry Ford Health*

4:15-4:30 **Breaking the Epithelial Barrier in Cancer**  
*Cristina de Guzman Strong, Ph.D., Henry Ford Health*

## SALA BALLROOM

---

4:30 – 4:45 pm **Closing Remarks and Lions Ticket Raffle**