

# Henry Ford + MSU Cancer Research Symposium

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

**Venue- Cambria Hotel, 600 W Lafayette Blvd., Detroit**

**November 7-8, 2024**

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

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## THURSDAY, NOVEMBER 7, 2024

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- 4:30 – 6:00 pm **Networking over drinks and hors d'oeuvres**
  - 6:00 - 6:15 pm **Introduction and Opening Remarks**  
*Norman Hubbard, MBA and Steven Kalkanis, M.D.*
  - 6:15 – 6:30 pm **Progress and Updates**  
*Benjamin Movsas, M.D., Jeffrey MacKeigan, Ph.D., and Derek Raghavan, M.D.*
  - 6:30 - 7:30 pm **Cancer Center Next Steps and Panel Discussion**  
*Benjamin Movsas, M.D., Jeffrey MacKeigan, Ph.D., and Derek Raghavan, M.D.*
  - 7:30 – 8:00 pm **Networking over drinks and hors d'oeuvres**
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## FRIDAY, NOVEMBER 8, 2024

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

### SESSION 1A

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- 8:30 – 9:30 am **PATIENT ENGAGEMENT IN CANCER**  
*Session Chairs: Sara Santarossa*
  - 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, PERC Patient Advisor*

## SESSION 1B

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- 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

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9:30 – 9:45 am

## SESSION 2A

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- 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

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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

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10:45 – 11:00 am

## SESSION 3A

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11:00 – 12:00 pm **POSTER AWARDEES**  
Session Chairs: Kelly Hirko, Ph.D. and Huang Ling, Ph.D.

11:00-11:15 **Winner 1- TBA**

11:15-11:30 **Winner 2- TBA**

11:30-11:45 **Winner 3- TBA**

11:45-12:00 **Winner 4- TBA**

## SESSION 3B

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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

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

## SESSION 5

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1:30 – 2:30 pm **KEYNOTE**

Session Chair: Anna Moore, Ph.D.

**Topic: Oncofertility: Bench to Bedside to Babies**

Speaker: Teresa Woodruff, Ph.D., Michigan State University

## BREAK

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2:30 – 3:00 pm

## SESSION 6

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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**  
*Jeffery Klomp, Ph.D., Michigan State University*
- 4:00-4:15 **Knowledge of head and 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 Strong, Ph.D., Henry Ford Health*

## **CLOSING REMARKS**

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4:30 – 4:45 pm      Closing remarks from leadership.

## **GROUP PHOTO**

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4:45 – 5:00 pm      Please stay at the end of the conference to take a group photo.