



# Breast Cancer Care: Innovation, Disruptive Technologies, and Early Adopters 2022 Tomorrow's Technologies Today

September 16-17, 2022  
Mayo Clinic – Rochester, Minnesota

All times listed **CENTRAL** time zone.

Friday, September 16, 2022	
7:00 a.m.	Registration and Continental Breakfast
7:55 a.m.	Welcome and Course Overview
Individualized Therapy and Personalized Care	
8:00 a.m.	Genomic Signatures in Breast Cancer Care Saranya Chumsri, M.D.
8:20 a.m.	Mayo Pathology Atlas Hamid R. Tizhoosh, Ph.D.
8:40 a.m.	CAR-T for Breast Cancer Brenda J. Ernst, M.D.
9:00 a.m.	Polygenic Risk Scores to Predict Breast Cancer Risk- Is Personalized Risk Assessment Ready for Primetime? Sandhya Pruthi, M.D.
9:20 a.m.	Novel Systemic Imaging with Breast Receptors and Treatment Management Ephraim E. Parent, M.D., Ph.D.
9:40 a.m.	Panel
10:00 a.m.	Break
Individualized Drug Development and Personalized Care	
10:20 a.m.	Ex-vivo and Drug Response Prediction Models Panagiotis Z. Anastasiadis, Ph.D.
10:40 a.m.	Antibody-drug Conjugates Roberto A. Leon Ferre, M.D.
11:00 a.m.	Neo-epitope Targeting Via Vaccines Keith L. Knutson, Ph.D.
11:20 a.m.	Panel
11:40 a.m.	Lunch
Lymphedema and Minimally Invasive Surgical Strategies	
12:30 p.m.	Update on Robotic NSM Rosa F. Hwang, M.D.
12:50 p.m.	LN Transfer Alanna M. Rebecca, M.D.
1:10 p.m.	Lympho-venous Bypass Olivia S. Ho, M.D., M.S.
1:30 p.m.	Non-operative Prevention Strategies of Lymphedema Babak J. Mehrara, M.D.
1:50 p.m.	Panel
2:10 p.m.	Break

<b>Management of Limited Stage IV Disease and Intact Primary</b>	
2:20 p.m.	Cryo-immunotherapy to Induce Immune Response Emmanuel M. Gabriel, M.D., Ph.D.
2:40 p.m.	Radiation to Induce Immune Response Robert W. Mutter, M.D.
3:00 p.m.	Ablation of Oligometastasis Kimberly S. Corbin, M.D.
3:20 p.m.	When to Operate on the Primary Mara A. Piltin, D.O.
3:40 p.m.	Panel
4:00 p.m.	Adjourn

<b>Saturday, September 17, 2022</b>	
7:00 a.m.	Registration and Continental Breakfast
7:55 a.m.	Welcome Back and Overview of the Day
<b>Novel Radiation Strategies and Minimizing Toxicity</b>	
8:00 a.m.	Right Sizing Radiation in Ultra-Low Risk Utilizing Genomic Testing Dean A. Shumway, M.D.
8:20 a.m.	Short Course Radiation Sean S. Park, M.D., Ph.D.
8:40 a.m.	New Radiation Particle Therapies Laura A. Vallow, M.D.
9:00 a.m.	Fat Grafting Effectively Reduces Irradiation Fibrosis Nho (Bill) V. Tran, M.D.
9:20 a.m.	Panel
9:40 a.m.	Break
<b>Digital Health Care and Pathology Innovations</b>	
10:00 a.m.	Digital Health Strategies for Improving Patient Care Tufia C. Haddad, M.D.
10:20 a.m.	Leveraging Biomarker Pathways Pooja Advani, M.B.B.S., M.D.
10:40 a.m.	Mayo Clinic Digital Pathology Program Joaquin J. Garcia, M.D.
11:00 a.m.	AI in Breast Cancer Pathology: Hype or Help Saba Yasir, M.B.B.S.
11:20 a.m.	Immune-based Biomarkers in Triple-Negative Breast Cancer: The Spatial Single Cell Revolution Jodi M. Carter, M.D., Ph.D.
11:40 a.m.	Panel
12:00 p.m.	Closing Comments
12:05 p.m.	Adjourn