

2025 GI SPORE Investigators Meeting

University of North Carolina-Chapel Hill, January 9-10, 2025

Meeting Agenda

*Please plan your talk length accordingly as times are **inclusive** of Q&A*

Day 1: Thursday, January 9

G411 - Koury Oral Health Sci. Building

Session 1: Anupriya Singhal - Memorial Sloan Kettering Cancer Center		
8:30-8:40 am	Welcome & Opening Remarks	Robert L. Ferris Director, UNC Lineberger Comprehensive Cancer Center
8:40-8:55 am	SPORE Program Update	Toby Hecht Deputy Director, Division of Cancer Treatment and Diagnosis Associate Director, Translational Research Program National Cancer Institute
8:55-9:15 am	A PROTAC approach to degrading beta catenin in colorectal cancer	Ethan Lee & Alex Waterson Vanderbilt University Medical Center GI Cancer SPORE
9:15-9:35 am	Leveraging Multiomic Characterization for Novel Therapeutics and Clinical Outcomes	Rory Smoot Mayo Clinic Hepatobiliary Cancer SPORE
9:35-10 am	Therapeutic Targeting of TGF β addiction in Esophageal Adenocarcinoma	Andrew Blum Case Western Reserve University GI Cancer SPORE
10-10:25 am	Targeting the vagal gut-brain axis to treat cancer cachexia	Xiling Shen MD Anderson Cancer Center GI Cancer SPORE
10:25-10:45 am	Break	

Session 2: Haley Ellis - Dana-Farber/Harvard Cancer Center		
10:45-11 am	Targeting DDR1-containing supermeres in colorectal cancer	Robert Coffey Vanderbilt School of Medicine GI Cancer SPORE
11-11:25 am	Cancer cell intrinsic and extrinsic mechanisms of response and resistance to KRAS inhibitors	Kathleen McAndrews MD Anderson Cancer Center GI Cancer SPORE
11:25-11:35 pm	Adaptive signaling mechanisms to RAS inhibition	Clint Stalnecker University of North Carolina Pancreatic Cancer SPORE
11:35-11:50 pm	Targeting MYC in colorectal cancer	William P. Tansey Vanderbilt School of Medicine GI Cancer SPORE
11:50-12:02 pm	Harvard GI SPORE Overview	Nabeel Bardeesy Dana-Farber/Harvard Cancer Center GI Cancer SPORE
12:02-12:28 pm	Targeting the KRAS pathway in gastric cancer	Sandra Ryeom & Andrew Aguirre Dana-Farber/Harvard Cancer Center GI Cancer SPORE
12:30-1:30 pm	Lunch & Posters for SPORE Investigators	Pagano Conference Room at UNC Lineberger Comprehensive Cancer Center
Session 3: Joshua Schoenfeld - Memorial Sloan Kettering Cancer Center		
1:30-1:45 pm	Combination of the MTA-cooperative PRMT5 inhibitor BMS-986504 and KRAS inhibitors for the treatment of MTAP-deleted KRAS-mutant pancreatic cancer	Channing Der University of North Carolina Pancreatic Cancer SPORE
1:45-2:10 pm	Transcription Factor Networks Define Tissue Location Specific CRC Initiation	Hariharan Easwaran Johns Hopkins University GI Cancer SPORE
2:10-2:25 pm	HSP70 in pancreatic cancer – novel functions and therapeutic vulnerabilities	Tim Barnoud Washington University School of Medicine in St. Louis Pancreatic Cancer SPORE

2:25-2:37 pm	Modeling and avoiding clinical toxicity of CLDN18.2 targeted immunotherapies	Elizabeth Carstens Dana-Farber/Harvard Cancer Center GI Cancer SPORE
2:37-2:52 pm	PANCREAS Trial Update	Susan Tsai University of North Carolina Pancreatic Cancer SPORE
2:55-3:15 pm	Break	
Session 4: Roheena Panni - Washington University School of Medicine in St. Louis		
3:15-3:35 pm	The Translational Research Program in Colorectal Cancer Disparities (TRPCD): Development of an Ethnically and Racially Inclusive Research Program	Chris Li Fred Hutchinson Cancer Center Cancer Disparities SPORE
3:35-4 pm	Gastric cancer disparities project related to gastric pre-cancer, focusing on H. pylori and gastric intestinal metaplasia	Katherine S. Garman Duke Cancer Institute Cancer Health Disparities P20
4-4:25 pm	Comparative Microbiome Analysis of Tumor and Normal Colorectal Tissue Across Diverse Racial and Ethnic Groups	Scott LaBrie Fred Hutchinson Cancer Center Cancer Disparities SPORE
4:25-4:41 pm	p53 Alterations Cooperate with Diet to Drive Liver Tumorigenesis	Denada Dibra MD Anderson Cancer Center Hepatocellular Carcinoma SPORE
4:41-4:58 pm	MRI-based enhancement pattern mapping for HCC risk stratification of patients with cirrhosis	Eugene J. Koay MD Anderson Cancer Center Hepatocellular Carcinoma SPORE
5-6 pm	Posters	
7:00 pm	Dinner for SPORE Investigators	The Story 450 W Franklin Street Chapel Hill, NC 27516

Session 5: Denada Dibra - MD Anderson Cancer Center		
7:30-7:55 am	Identification and Management of patients at high risk of PDAC	Alison Klein Johns Hopkins University GI Cancer SPORE
7:55-8:15 am	Developing Therapeutics for Fibrolamellar Carcinoma (FLC)	Sanford Simon Mayo Clinic Hepatobiliary Cancer SPORE
8:15-8:30 am	Functional interrogation of intra-tumoral heterogeneity in pancreatic cancer	Anupriya Singhal Memorial Sloan Kettering Cancer Center Pancreatic Cancer SPORE
8:30-8:40 am	Metabolic vulnerabilities driving sensitivity to ferroptosis in cholangiocarcinoma	Davide Povero Mayo Clinic Hepatobiliary Cancer SPORE
8:40-8:55 am	Assessing the spatial architecture of precancerous lesions and their microenvironments in PDAC	Reyka Jayasinghe Washington University School of Medicine in St. Louis Pancreatic Cancer SPORE
8:55-9:10 am	Engineering recombinant IL33 to induce lymphoid tissue neogenesis in pancreatic cancer	Abderezak Zebboudj Memorial Sloan Kettering Cancer Center Pancreatic Cancer SPORE
9:10-9:27 am	Perioperative CPI in HCC: transforming the role of immunotherapy from palliative to curative	Omar Kaseb MD Anderson Cancer Center Hepatocellular Carcinoma SPORE
9:30-9:50 am	Break	
Session 6: Kirsten Bryant - University of North Carolina at Chapel Hill		
9:50-10:10 am	Update on Project 2: Neoantigen Vaccines in PDAC	William Hawkins & Roheena Panni Washington University School of Medicine in St. Louis Pancreatic Cancer SPORE

10:10-10:20 am	CD8+ Tissue Resident Memory-Like Adaptive Responses to Combination Ablative Radiation and Immune Checkpoint Blockade in PDAC	Joshua Schoenfield Memorial Sloan Kettering Cancer Center Pancreatic Cancer SPORE
10:20-10:30 am	Molecular programming of CD8 T cell activity in pancreatic cancer	Justin Milner University of North Carolina Pancreatic Cancer SPORE
10:30-10:40 am	Exploring Immune Dynamics after Ablative Radiotherapy in Pancreatic Cancer: Building a Case for Future Immunotherapy Strategies	Matthew McMillan Memorial Sloan Kettering Cancer Center Pancreatic Cancer SPORE
10:40-11:05 am	Systemic Immunosuppression in Pancreatic Cancer	Michael A. Hollingsworth University of Nebraska Pancreatic Cancer SPORE
11:05-11:15 am	Closing Remarks	Steven F. Nothwehr Program Director, Translational Research Program National Cancer Institute

Posters

Combination treatment for FGFR2-driven cholangiocarcinoma	Haley Ellis Dana-Farber/Harvard Cancer Center GI Cancer SPORE
Identification of potent biparatopic antibodies targeting FGFR2 fusion driven cholangiocarcinoma	William Sellers Dana-Farber/Harvard Cancer Center GI Cancer SPORE
Mechanisms of response to mutant IDH1 inhibition in solid tumors	Nabeel Bardeesy Dana-Farber/Harvard Cancer Center GI Cancer SPORE
RAS inhibitor resistance	Andrew Aguirre Dana-Farber/Harvard Cancer Center GI Cancer SPORE
Efficacy of a Claudin 18.2/TGF β Bi-specific CAR-T in Preclinical Mouse Models of Gastric Cancer	Sandra Ryeom Dana-Farber/Harvard Cancer Center GI Cancer SPORE

Targeting STAT3 with TTI-101 for prevention and treatment of inflammatory bowel disease-associated colorectal cancer	Prema Robinson MD Anderson Cancer Center GI Cancer SPORE
The role of chromosome 9p21.3 loss in pancreas cancer progression and therapy resistance	Brinda Alagesan Memorial Sloan Kettering Cancer Center Pancreatic Cancer SPORE
PDAC Clinicogenomic features by Race/Ethnicity: Increasing genomic database diversity	Fiyinfolu Balogun Memorial Sloan Kettering Cancer Center Pancreatic Cancer SPORE
Concurrent inhibition of the RAS ERK-MAPK pathway and PIKfyve as a therapeutic strategy for pancreatic cancer	Jon DeLiberty University of North Carolina Pancreatic Cancer SPORE
Proteomic profiling in pancreatic cancer identifies subtype specific kinome landscapes for precision medicine	Yi Xu University of North Carolina Pancreatic Cancer SPORE
Vertical Inhibition of Autophagy Enhances Sensitization to RAS MAPK Pathway Inhibition in Pancreatic Ductal Adenocarcinoma	Mallory Roach University of North Carolina Pancreatic Cancer SPORE
Elucidation and exploitation of RAS-inhibitor dependent macropinocytic regulation in pancreatic ductal adenocarcinoma	Ryan Robb University of North Carolina Pancreatic Cancer SPORE
Characterization of the ULK-Regulated Proteome in KRAS-driven Pancreatic Cancer	Seamus Degan University of North Carolina Pancreatic Cancer SPORE
Combination of MTA-Cooperative PRMT5 Inhibitor BMS-986504 and KRAS Inhibitors for the Treatment of MTAP-Deleted KRAS-Mutant Pancreatic Cancer	Kristina Drizyte-Miller University of North Carolina Pancreatic Cancer SPORE
Defining a molecular signature for KEAP1-NRF2 mediated resistance to KRAS inhibition in pancreatic cancer	Wen Chang University of North Carolina Pancreatic Cancer SPORE

In-Person Attendees

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