



Cancer Immunology and Immunotherapy Retreat

Thursday, January 10, 2019, Time 8:00 a.m. – 6 p.m.

Emory Health Science Research Building, 1st Floor, Rollins Auditorium

7:30 a.m. – 8:00 a.m.	BREAKFAST HSRB Café/Lobby
8:00 a.m. – 8:05 a.m.	<i>Organizers Welcome</i> Madhav Dhodapkar, MBBS and Gregory Lesinski, PhD, MPH
8:05 a.m. – 8:20 a.m.	<i>Welcome and Overview of Winship Center for Cancer Immunology</i> Madhav Dhodapkar, MBBS Director, Winship Center for Cancer Immunology Acting Professor, Department of Hematology & Medical Oncology Emory University School of Medicine
Session 1: Improving Checkpoint Blockade	
8:20 a.m. – 8:30 a.m.	<i>The CD8 T-cell response against kidney cancer predicts disease progression and response to immunotherapy</i> Haydn Kissick, PhD Senior Research Associate in Tumor Immunology, Department of Urology Emory University School of Medicine
8:30 a.m. – 8:40 a.m.	<i>Unmet needs and questions from the clinic on checkpoint blockade in lung cancer</i> Suresh Ramalingam, MD Deputy Director, Winship Cancer Institute Professor, Department of Hematology & Medical Oncology
8:40 a.m. – 8:50 a.m.	<i>DNA mechanotechnology to investigate the role of PD1 biophysics in T cells</i> Anna Kellner Graduate Student, Biomedical Engineering Laney Graduate School, Emory University
8:50 a.m. – 9:35 a.m.	<i>Panel Discussion: Opportunities for Emory</i> Moderator: Gregory Lesinski, PhD, MPH
Session 2: Clinical Programs Overview (Part A)	
9:35 a.m. – 9:45 a.m.	<i>Lung Cancer</i> Rathi Pillai, MD Assistant Professor, Department of Hematology & Medical Oncology Emory University School of Medicine
9:45 a.m. – 9:55 a.m.	<i>Multiple Myeloma</i> Craig Hofmeister, MD, MPH Associate Professor, Department of Hematology & Medical Oncology Emory University School of Medicine
9:55 a.m. – 10:05 a.m.	<i>GI Cancers</i> Bassel El-Rayes, MD Professor & Vice Chair for Clinical Research, Department of Hematology & Medical Oncology Emory University School of Medicine Associate Director for Clinical Research, Winship Cancer Institute

10:05 a.m. – 10:15 a.m.	<i>Q&A Panel</i>
10:15 a.m. – 10:35 a.m.	BREAK HSRB Café/Lobby
Session 3: Synthetic Immunity	
10:35 a.m. – 10:45 a.m.	Krishnendu Roy, PhD Robert A. Milton Endowed Chair Director, Center for ImmunoEngineering, Georgia Institute of Technology
10:45 a.m. – 10:55 a.m.	<i>Engineered systems for lymph node-directed cancer immunotherapeutic drug delivery</i> Susan Thomas, PhD Associate Professor, Department of Mechanical Engineering Parker H. Petit Institute of Bioengineering and Bioscience Georgia Institute of Technology
10:55 a.m. – 11:05 a.m.	<i>Accelerated discovery of small molecule anti-tumor immunomodulators with HTiP</i> Haian Fu, PhD Professor and Chair, Department of Pharmacology and Chemical Biology Director, Emory Chemical Biology Discovery Center, Emory University School of Medicine
11:05 a.m. – 11:15 a.m.	<i>Improving T cell functionality for adoptive cell transfer therapy in metastatic colon cancer</i> Sruthi Ravindranathan, PhD Post-Doctoral Fellow, Department of Hematology and Medical Oncology Emory University School of Medicine
11:15 a.m. – 12:00 p.m.	<i>Q&A Panel Discussion: Opportunities for Emory and Georgia Tech Collaboration</i> Moderator: Madhav Dhodapkar, MBBS
12:00 p.m. – 12:45 p.m.	LUNCH HSRB Café/Lobby
Session 4: Autoimmune Complications of Immunotherapy	
12:45 p.m. – 12:55 p.m.	<i>B cells in IRAE following checkpoint blockade</i> Kavita Dhodapkar, MBBS Director, Pediatric Immuno-Oncology Program, Aflac Cancer and Blood Disorders Center Associate Professor, Department of Pediatrics, Emory University School of Medicine
12:55 p.m. – 1:05 p.m.	<i>Lessons from lupus</i> Ignacio Sanz, MD Director, The Lowance Center for Human Immunology Emory University, Children's Healthcare of Atlanta Mason I. Lowance Professor of Medicine and Pediatrics; Chief, Division of Rheumatology, Department of Medicine, Emory University School of Medicine
1:05 p.m. – 1:15 p.m.	<i>Reprogramming the immune phenotype of Rb-deficient tumor cells using BET inhibition</i> Brian Olson, PhD Instructor, Departments of Hematology & Medical Oncology, Urology and Surgery Emory University School of Medicine
1:15 p.m. – 1:50 p.m.	<i>Q&A Panel Discussion: Opportunities for Emory</i> Moderator: Taofeek Owonikoko, MD, PhD
1:50 p.m. – 2:05 p.m.	BREAK HSRB Café/Lobby
Session 5: Clinical Programs Overview (Part B)	
2:05 p.m. – 2:15 p.m.	<i>Head and Neck Cancer</i> Nabil Saba, MD, FACP Professor, Department of Hematology & Medical Oncology Emory University School of Medicine

2:15 p.m. – 2:25 p.m.	<i>Melanoma</i> Ragini Kudchadkar, MD Assistant Professor, Department of Hematology & Medical Oncology Emory University School of Medicine
2:25 p.m. – 2:35 p.m.	<i>GU Cancers</i> Mehmet Bilen, MD Assistant Professor, Department of Hematology & Medical Oncology Emory University School of Medicine
2:35 p.m. – 2:45 p.m.	<i>Q&A Panel</i>
2:45 p.m. – 3:45 p.m.	<i>Keynote Talk</i> Jeremy Boss, PhD Professor and Chair, Department of Microbiology & Immunology Interim Chair, Department of Biochemistry Associate Dean for Basic Research, Emory University School of Medicine
Session 6: Immune Technology Utilization Pitch Competition	
3:45 p.m. – 3:50 p.m.	<i>Introduction</i>
3:50 p.m. – 3:55 p.m.	<i>Pitch #1: Using Mass Cytometry to Determine the Relationship between Adiposity and Galectin-9/Tim-3 Signaling in Human B-leukemia Cells</i> Curtis Henry, PhD Assistant Professor of Pediatrics Aflac Cancer and Blood Disorders Center, Emory University School of Medicine
3:55 p.m. – 4:00 p.m.	<i>Q&A</i>
4:00 p.m. – 4:05 p.m.	<i>Pitch #2: Optimizing Expansion of Anti-Cancer T cells, Aided by Mass Cytometry</i> Christopher Ronald Funk Medical Student (M4), Emory University School of Medicine
4:05 p.m. – 4:10 p.m.	<i>Q&A</i>
4:10 p.m. – 4:15 p.m.	<i>Pitch #3: Characterizing the tumor microenvironment in post-transplant lymphoproliferative disorder</i> Jean Koff, MD, MS Assistant Professor, Department of Hematology and Medical Oncology Emory University School of Medicine
4:20 p.m. – 4:25 p.m.	<i>Q&A</i>
4:25 p.m. – 4:30 p.m.	<i>Pitch #4: Chemotherapy as a modulator of immune targets in gastrointestinal cancer</i> Matthew R. Farren, PhD Post-Doctoral Fellow, Department of Hematology and Medical Oncology Emory University School of Medicine
4:30 p.m. – 4:35 p.m.	<i>Q&A</i>
4:35 p.m. – 4:45 p.m.	<i>Closing Remarks</i>
4:45 p.m. – 6:00 p.m.	POSTER RECEPTION HSRB Café/Lobby