From Translational Research to Precision Therapy: Integration of Novel Technologies

December 9th -11th, 2022 Omni Amelia Island Resort, Florida

Friday, December 9, 2022

7:00 a.m.	Continental Breakfast and Registration
8:00 a.m.	Section I: Welcome and Introduction
	Cheryl L. Willman, M.D., Director, Mayo Clinic Comprehensive Cancer Center
	Tushar Patel, M.D., Mayo Clinic Jacksonville
	Asher Chanan-Khan, M.D., Mayo Clinic Jacksonville
8:10 a.m.	Pre-Plenary Assessment Utilizing Audience Response
	Dev Mukhopadhyay, Ph.D., Mayo Clinic Jacksonville
8:20 a.m.	Section II: Tumor Microenvironment crosstalk and cancer stemness
	Chair: Panagiotis Z. Anastasiadis, Ph.D., Mayo Clinic Jacksonville
8:30 a.m.	Glioblastoma microenvironment and stem cells
	Alfredo Quiñones-Hinojosa, M.D., Mayo Clinic Jacksonville
8:50 a.m.	Discussion
8:55 a.m.	Title TBA
	Stuart Grossman, M.D., Johns Hopkins Hospital
9:15 a.m.	Discussion
9:20 a.m.	The critical role of m6A RNA methylation in cancer cell-brain microenvironment
	interaction and brain metastasis
	Susan Huang, Ph.D., Virginia Commonwealth University
9:40 a.m.	Discussion
9:45 a.m.	The Role of Brain Tumor Stem Cells in Tumor Angiogenesis
	Jeremy Rich, Ph.D., Cleveland Clinic
10:05 a.m.	Discussion
10:10 a.m.	Title TBA
	Steven Rosenfeld, M.D., Ph.D. Mayo Clinic Jacksonville
10:30 a.m.	Discussion
10:35 a.m.	Coffee Break
11:05 a.m.	Section III: Microenvironment and diseases
	Chair: Mahadev Rao, Ph.D., Manipal College of Pharmaceutical Sciences, India
11:15 a.m.	Pancreatic cancer tumor microenvironment
	Peter Storz, Ph.D., Mayo Clinic Jacksonville
11:35 a.m.	Discussion
11:40 a.m.	Targeting Cancer novel drugs
	Jack Arbiser, M.D., Ph.D., Emory University School of Medicine
12:00 p.m.	Discussion
12:05 p.m.	Lunch
1:05 p.m.	Section IV: Molecular basis of human diseases
	Chair: Prasanna Paulmurgan, Ph.D., Tata Memorial Centre, India
1:15 p.m.	Microenvironment and cell signaling and immunity
	Dan Billadeau, Ph.D., Mayo Clinic Rochester
1:35 p.m.	Discussion
1:40 p.m.	Title TBA
	Resham Bhattacharya, Ph.D., University of Oklahoma

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2:00 p.m.	Discussion
2:05 p.m.	Title TBA
•	Ramasamy Paulmurgan, Ph.D, Stanford University
2:25 p.m.	Discussion
2.30 p.m.	Short Talk (From Abstract)
2.40p.m.	Short Talk (From Abstract)
2:50 p.m.	Coffee Break
3:15 p.m.	Section V: Microenvironment and Cell Signaling
	Chair: Vivek Rangnekar, Ph.D.
3:25 p.m.	Cilia as a biomarker of vascular health
•	Ramani Ramchandran, Ph.D., Medical College of Wisconsin
3:45 p.m.	Discussion
3:50 p.m.	Tris DBA Palladium: A Mechanism Based Antiangiogenic and Antitumor Agen
	Gangjian Qin, M.D., The University of Alabama
4:10 p.m.	Discussion
4:15 p.m.	Title TBA
	Y. Eugene Chen, M.D., Ph.D., University of Michigan
4:35 p.m.	Discussion
4:40 p.m.	Section VI: Martin and Winifred Ehlers Lectureship
	Chair: Jennifer J. Westendorf, Ph.D., Mayo Clinic Rochester
4:50 p.m.	Leveraging the Natural Cellular and Biomolecular Interactions in Blood for the
-	Design of Targeted, Anti-Inflammatory Particle Therapeutics
	Omolola (Lola) Eniola-Adefeso, Ph.D, University of Michigan
5:15 p.m.	Discussion
5:25 p.m.	Section VII: Poster Sessions/Reception

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8:00 a.m.	Section VIII: Joseph Austin McCartney and Ruth McCartney Hauck Named Visiting Professorship Lecture
	Chair: Cheryl L. Willman, M.D., Director, MCCC
8:10 a.m.	Title TBA William G. Kaelin M.D., Harvard Medical School and the Dana-Farber Cancer Institute
8:45 a.m.	Discussion
8:55 a.m.	Section IX: Microenvironment and growth factors
	Chair: Radisky, Derek C., Ph.D., Mayo Clinic Jacksonville
9:15 a.m.	A dual role of lymphatic vessels in cancer progression and tumor immunity
	Michael Detmar, M.D., Swiss Federal Institute of Technology
9:35 a.m.	Discussion
9:40 a.m.	Forkhead (Fox) Transcription Factors in Vascular Formation
	Tsutomu Kume, Ph.D., Northwestern University
10:00 a.m.	Discussion
10:05 a.m.	Coffee Break
10:35 a.m.	Liver disease and its microenvironment
	Vijay Shah, M.D., Mayo Clinic Rochester
10:55 a.m.	Discussion
11:00 a.m.	Section VIII: Vascular biology and cell signaling
	Chair: Al Copland, Ph.D. Mayo Clinic Jacksonville
11:10 a.m.	Title TBA
	Alan Fields, Ph.D., Mayo Clinic Jacksonville
11:30 a.m.	Discussion
11:35 a.m.	Non-endothelial Vascular Functions of Tie2
	Hellmut Augustin, Ph.D., German Cancer Research Center, Heidelberg
11:55 a.m.	Discussion
12:00 p.m.	Short Talk (From Abstract)
12:10 p.m.	Lunch
1:05 p.m.	Section IX: Mini-Symposium - Nanotechnology
	Chairs- Priyabrata Mukherjee, Ph.D., and Santanu Bhattacharya, Ph.D.
1:15 p.m.	Dual-targeting in chemo-resistance breast cancer
	Lily Yang, M.D., Ph.D., Emory University
1:35 p.m.	Discussion
1:40 p.m.	Application of Carbon Nanotube Sensor Arrays for Understanding Cellular Biochemical
	Signaling and Angiogenesis.
• • •	Suwan Jayasinghe, Ph.D. University College London
2:00 p.m.	Discussion
2:05 p.m.	Title TBA
	Rajagopal Ramesh, Ph.D. University of Oklahoma
2:25 p.m.	Discussion
2:30 p.m.	Probing cellular processes with engineered nanoparticles.
	Priyabrata Mukherjee, Ph.D., University of Oklahoma
2:50 p.m. 2:55 p.m.	Discussion Coefficial Provides
4:55 D.M.	Coffee Break

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3:15 p.m.	Continuous low-dose cancer chemotherapy with oral nanoparticle-paclitaxel
	Ravikumar Majeti, Ph.D., The University of Alabama in Tuscaloosa
3:35 p.m.	Discussion
3:40 p.m.	Image-guided Antiangiogenic Prodrug Therapy
	Dipanjan Pan, Ph.D., University of Maryland Baltimore County
4:00 p.m.	Discussion
4:05 p.m.	Discovery of small peptide-based checkpoint inhibitors for cancer immunotherapy
	Kun Cheng, M.D., University of Missouri - Kansas City
4:25 p.m.	Discussion
4:30 p.m.	Short Talk (From Abstract)
4: 40 p.m.	Short Talk (From Abstract)
4:50 p.m.	Adjourn
5:00 p.m.	Section X: Poster Session and Reception
6:30 p.m.	Section XI: Travel Scholarships/Oral Presentations
	Chairs: Tushar C. Patel, M.B., Ch.B, Mayo Clinic Jacksonville
7:30 p.m.	Dinner

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Sunday, December 11, 2022

7:00 a.m.	Continental Breakfast and Registration
8:00 a.m.	Section XII: Precision therapy targeting microenvironment and Clinical Outcomes
	Chair: Roxana S. Dronca, M.D., Mayo Clinic Jacksonville
8:10 a.m.	Cancer immune therapy and precision medicine
	Sunil Krishnan, M.D. Ph.D, Mayo Clinic Jacksonville
8:30 a.m.	Discussion
8:35 a.m.	Precision therapy: Immunity and tumor targeting
	Lewis R. Roberts, M.B., Ch.B., Ph.D., Mayo Clinic Rochester
8:55 a.m.	Discussion
9:00 a.m.	Title TBA
	Kenichi Takeshita, M.D.
9:20 a.m.	Discussion
9:25 a.m.	Future immune therapy and lymphoma
	Owen A. O'Connor, M.D., New York University Cancer Institute
9:45 a.m.	Discussion
9:55 a.m.	Coffee Break
10:10 a.m.	Immune Therapy Clinical Trials and outcomes
	Keith L. Knutson, Ph.D., Mayo Clinic Jacksonville
10:30 a.m.	Discussion
10:35 a.m.	Short Talk (From Abstract)
10:45 a.m.	Short Talk (From Abstract)
10:55 a.m.	Section XIII: Folkman Lectureship Forum: New Horizon of Cancer Research and
	Therapy
	Chair: Asher Chanan-Khan, M.D., Mayo Clinic Jacksonville
11:05 a.m.	Title TBA
	Luisa Iruela-Arispe, Ph. D., Northwestern University
11:25 a.m.	Discussion
11:30 a.m.	Title TBA
	Jann Sarkaria, M.D., Mayo Clinic Jacksonville Rochester
11:50 a.m.	Discussion
11:55 a.m.	Title TBA
	Dev Mukhopadhyay, Ph.D., Mayo Clinic Jacksonville
12:15 p.m.	Vote of Thanks
	Dev Mukhopadhyay, Ph.D., Mayo Clinic Jacksonville
12:20 p.m.	Adjourn