

2015 Regenerative Medicine Institute and Samuel Oschin Comprehensive Cancer Institute Symposium



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"The Stem Cell Niche and Cancer Microenvironment"

Cedars-Sinai Medical Center, Los Angeles, CA

November 12-14, 2015



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COMPREHENSIVE CANCER INSTITUTE

Thursday, November 12, 2015

- 1:00-1:30pm Registration - Harvey Morse Auditorium, Plaza Level, South Tower, Cedars-Sinai
1:30-1:45pm Welcome: Clive Svendsen, Joshua Breunig, Leland Chung
1:45-2:10pm NIH Program Overview: Dinah Singer- Director, Division of Cancer Biology, National Cancer Institute
2:10-3:00pm Introduction and Opening Keynote: Leland Chung and Mina Bissell (Lawrence Berkeley National Laboratory, UC), "The Dominance of the Microenvironment in Organ-Specificity and Malignant Progression"
3:00-3:15pm Refreshment Break

Session I: Genes and their Action in the Tumor Microenvironment

Chairs: Leland Chung and William Nelson

- 3:15-3:40pm William Nelson (Johns Hopkins), "Prostate Cancer Epigenetics"
3:40-4:05pm Marianne Bronner (CalTech), "Gene Regulatory Interactions Controlling Neural Crest Stem Cell Formation"
4:05-4:30pm Raghu Kalluri (MD Anderson), "The Function Role of Stroma and Exosomes in Pancreatic Cancer"
4:30-4:55pm Discussion Panel
4:55-5:10pm Poster Teaser
5:10-7:00pm Poster Session I (even numbered), Reception and Networking

Friday, November 13, 2015

Session II: Stemness and Therapeutic Resistance

Chairs: Neil Bhowmick and Dean Tang

- 8:30-9:00am Breakfast
9:00-9:25am Peter Nelson (Fred Hutchinson), "Treatment-Induced Damage Responses in the Tumor Microenvironment: Targeting Master Regulators"
9:25-9:50am Joshua Breunig (Cedars-Sinai), "Insights into the Interaction between Tumor and Stroma from Novel Glioma Models"
9:50-10:15am Sandra Orsulic (Cedars-Sinai), "A Multi-Cancer Gene Signature Associated with Stromal Activation"
10:15-10:40am Refreshment Break
10:40-11:05am Dean Tang (University of Texas), "Microenvironment Programmed Metastatic Prostate Cancer Stem Cell"
11:05-11:30am Discussion Panel
11:30-12:30pm Lunch

Session III: Tumor Progression and Microenvironment

Chairs: Xiaojiang Cui and Rumela Chakrabarti

- 12:30-12:55pm Rumela Chakrabarti (UPenn), "Cell Fate Regulators in Mammary Gland Development and Breast Cancer"
12:55-1:20pm Massimo Loda (Harvard), "Role of the Stroma in Prostate Cancer Initiation, Maintenance, and Metastasis"
1:20-1:45pm Yves DeClerck (CHLA/USC), "Mesenchymal Stem Cells, the Bone Marrow Niche and Drug Resistance"
1:45-2:00pm Refreshment Break
2:00-2:25pm Luisa Iruela-Arispe (UCLA), "Cross-Talk between Endothelial and Tumor Cells in Cancer"
2:25-2:50pm Discussion Panel

Session IV: Immune Interactions in the Cancer Microenvironment

Chairs: Dolores Di Vizio and Muller Fabbri

- 2:50-3:15pm Muller Fabbri (CHLA/USC), "Role of Exosomal MicroRNAs in the Biology of the Tumor Microenvironment"
3:15-3:40pm Stephen Shiao (Cedars-Sinai), "Impact of Macrophage Polarization on the Response to Chemotherapy and Radiation"
3:40-4:05pm Michelle Monje (Stanford), "Myelin Plasticity in Health and Disease"
4:05-4:20pm Refreshment Break
4:20-4:45pm John Yu (Cedars-Sinai), "Genetic Control of Glioblastoma Stem Cell Self-Renewal"
4:45-5:10pm Discussion Panel

Saturday, November 14th, 2015

Session V: Clinical Implications: From Bench to Bedside

Chairs: Clive Svendsen and Beth Karlan

- 8:00-8:20am Breakfast
8:30-8:55am Donald Kohn (UCLA), "Hematopoietic Stem Cell Gene Therapy"
8:55-9:20am Michael Karin (UCSD), "Beating Prostate Cancer and Other Malignancies by Chemo-Immunotherapy – The Importance of Immunosuppressive Plasmacytes"
9:20-9:45am Shannon Stott (Mass Gen), "Clinical Microfluidics: Isolation of Circulating Tumor Cells and Microvesicles from Cancer Patients"
9:45-10:45am Poster Session II (odd numbered) and Refreshment Break
10:45-11:10am Phillip Koefler (Cedars-Sinai), "Acute Leukemia: Genomic Abnormalities, Even Before the Disease Develops"
11:10-11:35am Discussion
11:35-12:00pm Lunch
12:00-12:50pm Introduction and Closing Keynote: Clive Svendsen and Sean Morrison (UT Southwestern), "The Hematopoietic Stem Cell Niche"
12:50-1:00pm Announcements/Poster Winners: Clive Svendsen, Joshua Breunig, Leland Chung

Symposium Committee Members: Clive Svendsen, Leland Chung, Joshua Breunig, Neil Bhowmick, Xiaojiang Cui, Dolores Di Vizio, Moise Danielpour, Michael Freeman, Beth Karlan