Scientific Retreat on Stem Cell Therapy and Cellular Therapy Research

Co-sponsored by the South Carolina Clinical & Translational Research (SCTR) Institute and MUSC's Digestive Disease Center including the MUSC COBRE in Digestive and Liver Disease and the MUSC Silvio O. Conte Digestive Disease Research Core Center

Friday, April 17, 2020
Drug Discovery Building Auditorium, 70 President Street
Medical University of South Carolina (MUSC)
Retreat Registration: 8:30AM

PROGRAM AGENDA

8:30  Retreat Registration, Poster Set-up and Continental Breakfast (Auditorium Lobby)

9:00 - 9:05  Welcoming Remarks
Perry Halushka, MD, PhD, Distinguished University Professor, Department of Cell and Molecular Pharmacology and Experimental Therapeutics; Dean Emeritus, College of Graduate Studies, MUSC and Co-PI, SCTR Institute

9:05 – 9:15  Overview of Stem Cell/Cell Therapy and Digestive and Liver Disease at MUSC
Steve Duncan, D.Phil, Professor and Chair, Department of Regenerative Medicine, College of Medicine, MUSC
Don Rockey, MD, Professor and Chair, Department of Medicine, College of Medicine, MUSC

Jacques Galipeau, MD, FRCP(C), Don and Marilyn Anderson Professor of Oncology, Associate Dean for Therapeutics Development and Director, Program for Advanced Cell Therapy, University of Wisconsin in Madison

Moderator: Gary Gilkeson, MD, Professor, Department of Medicine, College of Medicine, MUSC

10:15 - 10:30  Networking Coffee Break (DSB Lobby)

10:30 – 10:50  Session One: Stem Cell and Cellular Therapy Research
Moderator: Steve Duncan, D.Phil

10:30 - 10:50  Mesenchymal Stromal Cell Impacts on Refractory Lupus
Gary Gilkeson, MD

10:50 - 11:10  Mesenchymal Stem Cells and Islet Co-transplantation in Mice and Chronic Pancreatitis Patients
Hongjun Wang, PhD, Professor, Department of Medicine, College of Medicine, MUSC

11:10 - 11:30  Alpha-1 Antitrypsin Enhanced MSCs Delay the Onset of Type 1 Diabetes
Charlie Strange, MD, Professor, Department of Medicine, College of Medicine, MUSC

11:30 - 11:50  The Center for Cellular Therapy: A Shared Resource for the Production of Clinical Grade Mesenchymal Stem Cells and Other Cellular Products
Colleen Cloud, Program Manager, Department of Medicine, College of Medicine, MUSC

11:50 - 12:00  Lunch pick up (Auditorium Lobby)
12:00 - 1:30  Poster Session and Working Lunch (Auditorium Lobby)

1:30 - 2:30  Afternoon Keynote: Translating Stem Cells and Regenerative Therapies to the Treatment of Liver Disease
Ira J. Fox, MD, Professor of Surgery and Director, Center for Innovative Regenerative Therapies
Executive Committee Member, The McGowan Institute, University of Pittsburgh School of Medicine

Moderator: Steve Duncan, D.Phil

2:30 - 3:50  Session Two: Gastrointestinal Diseases Related Research
Moderator: Don Rockey, MD

2:30 - 2:50  Specific Commensal Bacterium Induces Immunomodulatory Effects in Gut and Liver that Impair Skeletal Growth and Maturation
Chad Novince, DDS, MSD, PhD, Assistant Professor, Department of Oral Health Sciences, College of Dental Medicine, MUSC

2:50 - 3:10  Intestinal Exosomes in Alcohol-induced Liver Injury
Je-Hyun Yoon, PhD, Assistant Professor, Department of Biochemistry and Molecular Biology, College of Medicine, MUSC

3:10 - 3:30  Fetal Mesenchymal Programs Persist in the Adult Pancreas during Physiology and Cancer
Lu Han, PhD, Post-Doctoral Fellow, Department of Biochemistry, College of Medicine, MUSC

3:30 - 3:50  Use of Human Polypotent Stem cell (hPSCs) Derived Organoids to Study Mechanisms of Rectal Versus Urogenital Specification
Abdelkader Daoud, PhD, Post-Doctoral Fellow, Department of Regenerative Medicine and Cell Biology, College of Medicine, MUSC

3:50 - 4:10  Funding Sources and Opportunities:
MUSC COBRE in Digestive and Liver Disease and MUSC Silvio O. Conte Digestive Disease Research Core Center (DDRCC)
Steve Duncan, D.Phil and Don Rockey, MD

SCTR Institute Pilot Project Program Funding Opportunities
Dayan Ranwala, PhD, Associate Professor and Associate Director, SCTR Institute Pilot Project Program and Team Science Program

Closing Remarks and Next Steps
Steve Duncan, D.Phil and Don Rockey, MD

Retreat Planning Committee Members
Steve Duncan
Gary Gilkeson
Kevin Gray
Perry Halushka
Amanda LaRue
Jorge Munera
Dayan Ranwala
Don Rockey
Hongjun Wang
Michael Watson