PROGRAM

“Midwest in the Southeast Valve Meeting”

Thursday September 17th
Medical University of South Carolina
Basic Science Building
Room 611 (6th floor)

Sponsored by:
Department of Regenerative Medicine and Cell Biology
South Carolina COBRE for Cardiovascular Diseases

09:00-09:10 Andy Wessels - Introduction
09:10-09:20 Steve Duncan - Departmental Welcome

Session I Chairs: Christi Kern and Vidu Garg
09:20-09:40 Yukiko Sugi - "Cell autonomous regulation by BMP2 in endocardial lineage for AV valve and membranous septum progenitor cell differentiation"
09:40-10:00 Andy Wessels - "Insights into the pathogenesis of atrioventricular septal defects"
10:00-10:20 Katherine Yutzey - "Endothelial-mesenchymal transitions in heart valve disease"
10:20-10:40 Joy Lincoln - "Defining valve interstitial cell heterogeneity in health and disease; discuss!"
10:40-11:00 COFFEE BREAK

Session II Chairs: Joy Lincoln and Frank Conlon
11:00-11:20 Alexia Hulin - "Loss of Axin2 leads to myxomatous disease in murine heart valves"
11:20-11:40 Chip Norris - "Primary Cilia and Heart Valve Disease"
11:40-12:00 Lindsey Miller - "Phenotypic changes in heart valve endothelial cells with aging"
12:00-12:20 Kim Sauls - "Increased Infiltration of Extra-Cardiac Cells in Myxomatous Mitral Valve Disease"
12:20-01:00 LUNCH
Session III

Chairs: Katherine Yutzey and Mohamad Azhar

01:00-01:20 Roger Markwald - "Congenital Heart Valve Diseases: Searching for remedial etiologies and therapies"

01:20-01:40 Vidu Garg - "Role of Notch1 in bicuspid aortic valve and ascending aortopathy"

01:40-02:00 Bin Zhou - "Valve endocardial Notch signaling is required for arterial valve development and homeostasis"

02:00-02:20 Stephanie LaHaye - "Novel Role of Gata4 in Semilunar Valve Development and Disease"

02:20-02:40 BREAK

Session IV

Chairs: Chip Norris and Bin Zhou

02:40-03:10 Nicolas Alcala - "Developmental Origin of Bicuspid Aortic Valves"

03:10-03:30 Vinal Menon - "Altered hemodynamics in the embryonic heart affects outflow valve development"

03:30-03:50 Peggy Angel - "Proteomic Analysis of a High Fat Diet Induced Model of Early Aortic Valve Stiffening"

03:50-04:10 Mohamad Azhar - "Cell-specific function and downstream mechanism of TGFβ2 in outflow tract valve development"

04:10-04:30 Frank Conlon - "Functional investigation of the TBX5 cardiac interactome"

04:30-04:45 REFRESHMENTS

04:45-05:30 Joy Lincoln/Vidu Garg/Frank Conlon - "Update and Discussion upcoming Weinstein Meetings and other topics"

05:30-08:30 DINNER RECEPTION in the "Wickliffe House"