59. HEART FAILURE-NEW INSIGHTS INTO ITS PATHOBIOLOGY

Minisymposium

Sat. 2:00 PM–McCormick Place Convention Center, W179B

Chaired: F. Sheikh, T. Parry

Cardiac Pathobiology

2:00  59.1  Th1 Effector T Cells Induce TGFβ Mediated Cardiac Fibrosis in Pressure Overload Induced Heart Failure by Adhering to Alpha 4 Integrin and Mediating Fibroblast Transformation.  T. Nevers.  Tufts University.

2:15  59.2  CD43 Syalomucin Contributes to Cardiac Inflammation and Fibrosis in Non-Ischemic Heart Failure.  F. Velázquez, A. Salvador, T. Nevers, N. Ngwenyama, M. Aronovitz, R. Blanton, P. Alcaide.  Tufts University and Tufts Medical Center.

2:30  59.3  Resolvin D1 Programs Myocardial Infarction-Induced Cardiorenal Syndrome in Heart Failure Pathology.  G.V. Halade, V. Kain, C.N. Serhan, K.A. Ingle.  The University of Alabama at Birmingham, Brigham and Women's Hospital and Boston.


3:00  59.5  Atrogin-1 Transgenic (At1 Tg+) Mice Have Age-Dependent Cardiac Dysfunction with Atrogin-1 Mediated Glucocorticoid Receptor (GR) Expression Down Regulation.  R. Mota, T. Parry, M. Willis.  UNC at Chapel Hill.

3:15  59.6  Muscle Ring Finger-1 Knockout (Murf1 -/-) Mice Are Resistant to LPS-Induced cardiac Dysfunction Due to Decreased NF-κB Activity.  T.L. Parry, D.I. Brown, J. Mwiza, M.S. Willis.  University of North Carolina.


3:45  59.8  Splenectomy-Induced Diastolic Dysfunction with Normal Ejection Fraction.  J.S. Huber, S.A. Ruggiero, N. Romanova, S.L. Blois, K.R. Brunt, J.A. Simpson.  University of Guelph, Canada, University of Guelph, Ontario Veterinary College, Canada and Dalhousie Medicine , Canada.

4:00  59.9  A Novel Protein Interaction Between the Cardiac Desmosome and COP9 Signalosome Complex Reveals a New Mechanism Underlying Sudden Death.  F. Sheikh, Y. Liang, R. Lyon, J. Pellman, V. Mezzano, Y. Gu, N. Dalton, M. Lee, T. Iwakuma, V. Nigam, K. Peterson.  University of California-San Diego, University of Texas, M.D. Anderson Cancer Center and University of Kansas Medical Center.