

WORKSHOP: “Cardiac Development and Biomechanical Modeling”

Sunday June 1st, 2025, Time 13.00 – 15.00

- 13.00 – 13.30** ***The Critical Role of Cardiac Development and Biomechanical Modeling in Advancing our Understanding of Congenital Heart Defects: An Overview & Speaker Profiles***
- Talât Mesud Yelbuz, M.D., Ph.D., Professor of Pediatric Cardiology, King Abdulaziz Cardiac Center, Riyadh, Kingdom of Saudi Arabia
- 13.30 – 13.50** ***A Focus on the Looped Design of Vertebrate Hearts***
- Jörg Männer, M.D., Ph.D., Professor of Anatomy and Cardiac Embryology, Institute of Anatomy and Cell Biology, UMG, Georg-August-University Goettingen, Germany
- + 5 min Q/A
- 13.55 – 14.15** ***Impact of Hemodynamics on Cardiac Development***
- Sandra Rugonyi, Ph.D., Professor of Biomedical Engineering, School of Medicine, Oregon Health & Science University, Portland, OR, USA
- + 5 min Q/A
- 14.20 – 14.40** ***Left Atrial Ligation–Release Model for HLHS: Visualizing Hemodynamic and Biological Reversibility in Early Heart Development***
- Kerem Pekkan, Ph.D., Professor of Mechanical Engineering Department, Biofluids and Cardiovascular Mechanics Laboratory, Koc University, Istanbul, Türkiye
- +5 min Q/A
- 14.45 – 15.00** **Group Discussion**