1:45pm - Open discussion and introductions (just join a little early if you can!)

2:00pm - Introductory Remarks (Daniel Ennis)

2:10 to 3:00 – Group-1 (Moderator: Vicky Wang)

A novel cross-species model of Barlow’s disease to biomechanically analyze repair techniques in an ex vivo left heart simulator

Annie Imbrie-Moore (Woo Lab) – Room A

Finite-element based optimization of regional left ventricular passive stiffness: Utility of an inverse deformation gradient calculation of diastolic strain

Yue Zhang (Ratcliffe Lab) – Room B

Effects of Cardiac Output and Valve Orientation on Bioprosthetic Pulmonary Valve Behavior

Nicole Schiavone (Marsden Lab) – Room C

Magnetic resonance informed design of a soft robotic assist device for the treatment of heart failure

Seraina Dual (Ennis Lab) – Room D

Cardiac Strain in Boys with Duchenne Muscular Dystrophy

Qiu Liu (Ennis Lab) – Room E

3:00-3:20 – Group-1 Breakout Rooms
Room A (Moderator: Ennis)
Room B (Moderator: Loecher)
Room C (Moderator: Wilson)
Room D (Moderator: Perotti)
Room E (Moderator: Maforo)

3:20 to 4:00 – Group-2 (Moderator: Daniel Ennis)

Novel Bicuspid Aortic Valve Models with Hemodynamics Evaluation of Repair Techniques in an Ex Vivo Left Heart Simulator
Yuanjia Zhu (Woo Lab) – Room A

Ventricular Strains During Atrial Systole
Mehlil Ahmed (Perotti Lab) – Room B

A Design-Based Model of the Aortic Valve
Alex Kaiser (Marsden Lab) – Room C

Left Ventricular Myofiber Shortening
Kévin Moulin (Ennis Lab) – Room D

4:00-4:20 – Group-2 Breakout Rooms
Room A (Moderator: Ennis)
Room B (Moderator: Loecher)
Room C (Moderator: Wilson)
Room D (Moderator: Perotti)
4:20 to 5:00 – Group-3 (Moderator: Luigi Perotti)

*Pre-PVR RVOT and Main PA Geometry in repaired TOF patients is associated with bioprosthetic valve longevity*
  
  Veronica Toro (Marsden Lab) – Room A

*A kinematic model-based analysis framework for 3D Cine DENSE*
  
  Vicky Wang (Ratcliffe Lab) – Room B

*In-vitro 4D Flow MRI of Patient-Specific Compliant Aorta Phantoms*
  
  Judith Zimmermann (Ennis Lab) – Room C

*The Living Heart Project – An Overview*
  
  Mathias Peirlinck (Kuhl Lab) – Room D

5:00-5:20 – Group-3 Breakout Rooms
  
  Room A (Moderator: Ennis)
  Room B (Moderator: Loecher)
  Room C (Moderator: Wilson)
  Room D (Moderator: Perotti)

5:20 – Closing Remarks (Luigi Perotti & Moderators)

5:30 – gather.town (Sign-up, hang-out, have fun!)