

**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*

Mehilil 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!)**

