

Tentative Schedule (as of 02/11/21)
McGowan Institute for Regenerative Medicine
Annual Retreat

Tuesday, March 9th, 2021 - Cell and Gene Therapy

12:00-12:45

Trainee Event/Networking

1:00-1:45

State of the Institute/Retreat Kickoff

William Wagner, Professor, Surgery, Bioengineering, and Chemical Engineering
Director, McGowan Institute for Regenerative Medicine
Chairman, TERMIS - Americas

2:00-2:45

Keynote Speaker: David Brindley

Managing Partner, Biolacuna

Chief Operating Officer, Rational Vaccines, Inc.

Principal, Thiel Capital LLC

Senior Research Fellow, Healthcare Translation, University of Oxford

“TBD”

Faculty Speakers

3:00-3:20

Samira Kiani, Visiting Associate Professor, Liver Research Center, Department of Pathology,
School of Medicine, University of Pittsburgh

“TBD”

3:20-3:40

Liz Wayne, Assistant Professor, Biomedical Engineering & Chemical Engineering, Carnegie
Mellon University

“TBD”

3:40-4:00

Michael Hufford, Co-Founder and Chief Executive Officer of LyGenesis, Inc.

“LyGenesis: Crossing the chasm between academic discovery and clinical stage biotech
company”

Poster Sessions

4:15-5:00 Trainee Posters Presentations

Wednesday, March 10th, 2021 - Tissue Engineering and Biomaterials

12:00-12:45 Trainee Event/Networking

1:00-2:00: Space Station Lecture/Panel – Life Science Research in Microgravity

Moderator: *Marc Giulianotti, PhD, Program Director, International Space Station Laboratory*

10 minutes

ISSNL's Vision for Accelerating Life Science Research in Microgravity

Marc Giulianotti, PhD, Program Director

International Space Station Laboratory

15 minutes

The Use of Human Induced Pluripotent Stem Cells for Enabling Therapeutic Applications

Arun Sharma, PhD, Senior Research Fellow

Cedar-Sinai Medical Center

15 minutes

Protein Based Artificial Retina for Restoring Vision

Nicole Wagner, PhD, CEO

LAMDA Vision

15 minutes

Axiom's Vision for Accessibility and Affordability of On-orbit Research

Christian Maender, MS, Director, In-space Manufacturing and Research

Axiom Space, Inc.

10 minutes

Q&A

2:00-2:45

Keynote Speaker: Cherie Stabler

Associate Professor, Department of Biomedical Engineering, University of Florida

Chair-Elect TERMIS

“TBD”

Faculty Speakers

3:00-3:20

Julie Phillippi, Associate Professor, Cardiothoracic Surgery and Bioengineering

Director, Postdoctoral Research, Cardiothoracic Surgery, University of Pittsburgh

“The case of the curious pericyte: Adventitial ECM hydrogels influence pericyte behaviors via integrin and growth factor dependent-mechanisms”

3:20-3:40

Katrina Knight, Magee Womens Research Institute Postdoctoral Fellow, Department of Obstetrics Gynecology and Reproductive Sciences, University of Pittsburgh
"TBD"

3:40-4:00

Adam Feinberg, Professor, Department of Biomedical Engineering and Department of Materials Science and Engineering, Carnegie Mellon University
"TBD"

Poster Session

4:15-5:00 Trainee Posters Presentations

Thursday, March 11th, 2021 - Medical Devices and Computational Modeling

12:00-12:45 Trainee Event/Networking

Poster Session

1:00-1:45

Trainee Poster Presentations

Faculty Speakers

2:00-2:20

Ruben Zamora, Research Professor, Department of Surgery, University of Pittsburgh
“Dynamics of Systemic Inflammation as a Function of Developmental Stage in Pediatric Acute Liver Failure (PALF)”

2:20-2:40

Ryan Orizondo, Assistant Professor, Department of Bioengineering, University of Pittsburgh
“TBD”

2:40-3:00

Jeremy Kimmel, Vice President, New Technology, ALung
“ALung Technologies – Challenges and Opportunities for Medical Device Commercialization”

FDA Pediatric Device Consortium Innovation Forum (Separate Registration Link, Has Own Branding, Blue Jeans Link, No Cost)

3:00-4:30

Panelist	Topic
Jonathan Chen, MD (Chief, Cardiothoracic Surgery, CHOP)	Pediatric heart valve prostheses—Addressing unmet needs
William Wagner, PhD (Director, McGowan Institute, U Pittsburgh)	New synthetic biomaterials for pediatric heart valves
Narendra Vyavahare, PhD, (Professor, Dept. of Bioengineering, Clemson U)	Preclinical development of a novel heart valve prosthesis for pediatrics
Martijn Cox, PhD (Chief Technology Officer, Xeltis)	Pediatric prosthetic heart valve trials in the US
Scott McNamee, PhD (Special Assistant, Material Engineering; FDA)	Materials regulation for pediatric heart valves

Keynote Speaker: Gary An

4:30-5:15

Professor, Larner College of Medicine, University of Vermont
“Managing Biological Heterogeneity: integrating mechanistic simulation and machine learning for therapeutic control discovery”