

ERC Site Visit: NSF Engineering Research Center for Integrated Mechanobiology for Women's Health (IMWEL)

Tuesday, January 25 – Thursday, January 27, 2022



TUESDAY, JANUARY 25

All times are EST.

Enter Main Zoom

Everyone: [Zoom Link](#)

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| 11:00 a.m. – 11:10 a.m. | NSF Welcome
Don Millard, DDD, EEC/NSF |
| 11:10 a.m. – 11:15 a.m. | ERC Welcome Day 1
Lee Bollinger
President, Columbia University |
| 11:15 a.m. – 11:35 a.m. | Deans' Statements of Commitment
Shih-Fu Chang
Interim Dean, Fu Foundation School of Engineering & Applied Science,
Columbia University

Magnus Egerstedt
Samueli School of Engineering, University of California, Irvine

James R. Martin
U.S. Steel Dean of Engineering, University of Pittsburgh

Aaron Bobick
McKelvey School of Engineering, Washington University in St. Louis |
| 11:35 a.m. – 11:40 a.m. | Question & Answer |
| 11:40 a.m. – 12:05 p.m. | PI/Director's Overview
X. Edward Guo, Lead PI, Center Director, Healthy Aging Co-Lead
Professor & Chair of Biomedical Engineering, Columbia University

Kristin Myers, Co-PI, Center Deputy Director, Preterm Birth Co-Lead
Associate Professor of Mechanical Engineering (in Biomedical
Engineering), Columbia University |
| 12:05 p.m. – 12:10 p.m. | Question & Answer |
| 12:10 p.m. – 12:35 p.m. | Break |
| 12:35 p.m. – 1:35 p.m. | Convergent Research Thrusts Presentations
Michelle Oyen, Co-PI, Engineering Workforce Development Co-Director,
Exp. Cellular & Tissue Mechanics Co-Lead, Preterm Birth Co-Lead |

Associate Professor of Biomedical Engineering, Washington University in St. Louis

Wendy Liu, Director of Integration, Tissue & Organ Mechanobiology Lead
Professor of Biomedical Engineering, University of California, Irvine

1:35 p.m. – 1:55 p.m.

Question & Answer

1:55 p.m. – 2:05 p.m.

Break

2:05 p.m. – 2:45 p.m.

Enabling Technology Testbeds Presentations

Steven Abramowitch, Co-PI, Pelvic Floor Disorders Lead,
Multiscale Biomech. Computation & Imaging Co-Lead, Multiscale
Modeling Theory Co-Lead
Professor of Bioengineering, University of Pittsburgh

Christine Hendon, Clinically Deployable Devices Lead
Associate Professor of Electrical Engineering, Columbia Engineering

Lance Kam, Co-PI, Center Deputy Director, Mechanomics Lead
Professor of Biomedical Engineering and Professor of Medical Sciences,
Columbia University

2:45 p.m. – 2:55 p.m.

Question & Answer

2:55 p.m. – 3:25 p.m.

Systems Testbed Presentation

Kristin Myers, Co-PI, Center Deputy Director, Preterm Birth Co-Lead
Associate Professor of Mechanical Engineering (in Biomedical
Engineering), Columbia University

Steven Abramowitch, Co-PI, Pelvic Floor Disorders Lead,
Multiscale Biomech. Computation & Imaging Co-Lead, Multiscale
Modeling Theory Co-Lead
Associate Professor of Bioengineering, University of Pittsburgh

Naomi Chesler, Diversity & Culture of Inclusion Co-Director,
Healthy Aging Co-Lead
Professor of Biomedical Engineering, University of California, Irvine

3:25 p.m. – 3:40 p.m.

Question & Answer

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IMWEL Team: [Zoom Link](#)*

3:40 p.m. – 4:25 p.m. NSF SVT Executive Session



WEDNESDAY, JANUARY 26

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| 11:00 a.m. – 11:05 a.m. | ERC IMWEL Welcome Day 2
Mary Boyce
Provost, Professor of Mechanical Engineering, Columbia University |
| 11:05 a.m. – 12:05 p.m. | Diversity and Culture of Inclusion (DCI) and Engineering Workforce Development (EWD)

Valerie Purdie-Greenaway, Diversity & Culture of Inclusion Co-Director
Associate Professor of Psychology, Columbia University

Tim Downing, Engineering Workforce Development Co-Director
Assistant Professor of Biomedical Engineering and Microbiology and
Molecular Genetics, University of California, Irvine |
| 12:05 p.m. – 12:25 p.m. | Question & Answer |
| 12:25 p.m. – 1:10 p.m. | Break |
| 1:10 p.m. – 1:40 p.m. | Innovation Ecosystem (IE)
Harry West
Professor of Mechanical Engineering and Industrial Engineering and
Operations Research, Columbia University |
| 1:40 p.m. – 1:50 p.m. | Question & Answer |
| | Switch Zoom Rooms |
| | <i>NSF & Site Visit Team: NSF-provided Zoom link</i> |
| | <i>IMWEL Team: Zoom Link</i> |
| 1:50 p.m. – 2:30 p.m. | NSF SVT Private Session with Potential Partners |
| 2:30 p.m. – 2:40 p.m. | Break |
| 2:40 p.m. – 3:30 p.m. | NSF Executive Session |



THURSDAY, JANUARY 27

All times are EST.

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- 11:00 a.m. – 11:05 a.m.** **ERC IMWEL Welcome Day 3**
Jeannette Wing
Executive Vice President for Research, Professor of Computer Science,
Columbia University
- 11:05 a.m. – 11:25 a.m.** **Infrastructure: Leadership/Management, Institutional Configuration,
Team Formation, Advisory Boards and Facilities**
X. Edward Guo, Lead PI, Center Director, Healthy Aging Co-Lead
Professor & Chair of Biomedical Engineering, Columbia University
- 11:25 a.m. – 11:35 a.m.** **Question & Answer**
- 11:35 a.m. – 11:45 a.m.** **Video of Facilities, Lab Tour**
X. Edward Guo, Lead PI, Center Director, Healthy Aging Co-Lead
Professor & Chair of Biomedical Engineering, Columbia University
- 11:45 a.m. – 11:50 a.m.** **Question & Answer**
- 11:50 a.m. – 12:20 p.m.** **Break**
- 12:20 p.m. – 12:35 p.m.** **Evaluation Plan**
Sue Giancola
Senior Associate Director of the Center for Research in Education and
Social Policy, University of Delaware
- 12:35 p.m. – 12:40 p.m.** **Question & Answer**
- 12:40 p.m. – 12:50 p.m.** **Closing Statement**
X. Edward Guo, Center Director, Lead PI, Healthy Aging Co-Lead
Professor & Chair of Biomedical Engineering, Columbia University

Kristin Myers, Co-PI, Center Deputy Director, Preterm Birth Co-Lead
Associate Professor of Mechanical Engineering (in Biomedical
Engineering), Columbia University

Lance Kam, Co-PI, Center Deputy Director, Mechanomics Lead
Professor of Biomedical Engineering and Professor of Medical Sciences,
Columbia University
- 12:50 p.m. – 1:35 p.m.** **Final Question & Answer**

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IMWEL Team: [Zoom Link](#)
- 1:35 p.m. – 3:05 p.m.** **NSF SVT Executive Session**