

FOURTH ANNUAL MID-ATLANTIC

ADVANCED BIOMANUFACTURING SYMPOSIUM



ENGINEERING



4th Annual Mid-Atlantic Advanced Biomanufacturing Symposium

Location: Darden School of Business, 100 Darden Blvd., Charlottesville, VA
Parking provided in Darden Parking Garage both days

SUMMARY

Sunday, October 27, 2019 [half-day session], 12:00 pm to 5:15 pm

Session I: Marketing Considerations of Biomanufactured Products

Session II: Biomaterials for Clinical Applications: Is it a Device or a Biologic?

Monday, October 28, 2019 [full-day session], 7:30 a.m. to 7:30 p.m.

Session I: Scope and Breadth of the Advanced Biomanufacturing Ecosystem

Session II: Standards for Cell Manufacturing for Clinical and Research Applications

Session III: Modified Human Products and Extracellular Matrices: Decellularized and Semi-synthetic

Session IV: Biofabrication Business Bootcamp

Sunday, October 27, 2019 [half-day session] Clinical emphasis

12:00 – 1:00 p.m. Registration in Abbott Auditorium Lobby

1:00 – 2:00 p.m. **Keynote: Peter Johnson, MD**
MedSurgPI

Session I: Marketing Considerations of Biomanufactured Products

Session Chairs: Tom Gilbert, PhD (Miromatrix) and Jennifer Braswell, PhD, CAO (ARMI)

Speakers:

2:00 – 2:15 p.m. **Jim McGorry, MBA**

Biostage

2:15 – 2:30 p.m. **Rob Bancroft, MBA**

Strategy Consultant, Healogics

2:30 – 2:45 p.m. **Scott Bruder, MD, PhD**

Bruder Consulting & Venture Group

2:45 – 3:00 p.m. **Sharon Presnell, PhD**
Amnion Foundation

3:00 – 3:15 p.m. Discussion

3:15 – 3:30 p.m. COFFEE BREAK

Session II: Biomaterials for clinical applications: Is it a device or a biologic?

Session Chairs: Barbara Boyan, PhD (Virginia Commonwealth University) and Luke Burnett, PhD (Keranetics)

Speakers:

3:30 – 3:45 p.m. **Introduction - Richard McFarland, MD**
Advanced Regenerative Manufacturing Institute

3:45 – 4:00 p.m. **Barbara Boyan, PhD**
Virginia Commonwealth University

4:00 – 4:15 p.m. **Glenn Prestwich, PhD**
University of Utah

4:15 – 4:30 p.m. **David Williams, PhD**
Wake Forest School of Medicine

4:30 – 4:45 p.m. **Sherry Lard-Whiteford, PhD**
FDA, Center for Biologics Evaluation and Research

4:45 – 5:15 p.m. Discussion

Sponsored Speakers dinner; attendees on their own

Monday, October 28, 2019 [full-day session]

7:15 – 8:00 a.m. Registration and light breakfast Abbott Auditorium lobby

8:00 – 8:15 a.m. Introductions

- George Christ, PhD, University of Virginia
Professor - Biomedical Engineering & Orthopaedic Surgery, Mary Muilenburg Stamp Professor of Orthopaedic Research
- Shayn Peirce-Cottler, PhD, University of Virginia
Professor, Biomedical Engineering, Plastic Surgery, and Ophthalmology, Pinn Scholar
- Melur K. (Ram) Ramasubramanian, PhD, University of Virginia
Vice President for Research, Professor - Mechanical & Aerospace Engineering
- Pam Norris, PhD, University of Virginia
Executive Dean, School of Engineering and Applied Science

Session I: Scope of the Advanced Biomanufacturing Ecosystem (education and workforce development)

Session Chairs: Shayn Peirce-Cottler, PhD (UVA) and Russ Read (ForsythTech)

Speakers:

8:15 – 8:25 a.m. **Mary Stewart, PhD**
Advanced Regenerative Manufacturing Institute

8:25 – 8:35 a.m. **John Balchunas, MS**

National Institute for Innovation in Manufacturing Biopharmaceuticals

8:35 – 8:45 a.m. **Tom Tubon, PhD**
Madison Area Technical College

8:45 – 8:55 a.m. **Russ Read, MA**
ForsythTech

8:55 – 9:05 a.m. **Amy White, MS**
Virginia Western Community College

9:05 – 9:15 a.m. **John Newby, JD**
Virginia Bio

9:15 – 9:45 a.m. **Discussion**

9:45 – 10:00 a.m. **Coffee Break**

Session II: Standards for Cell Manufacturing for Diverse Clinical Applications and Research

Session Chairs: John Getz (RoosterBio) and Becky Robinson-Zeigler, PhD (ARMI)

Speakers:

10:00 – 10:15 a.m. **Johnna Temenoff, PhD**
Georgia Tech

10:15 – 10:30 a.m. **Patrick Hanley, PhD**
George Washington University

10:30 – 10:45 a.m. **Brian Hawkins, PhD**
Plurisytx

10:45 – 11:00 a.m. **Kelly Sauerwein, PhD**
Standards Coordinating Body

11:00 – 11:15 a.m. **John Duguid, PhD**
Vericel

11:15 – 11:30 a.m. **Discussion**

11:30 – 12:30 p.m. **Poster Session with student competition – Abbott Auditorium hallway**

Chair: **Blake Johnson, PhD**

**Assistant Professor, Grado Department of Industrial and Systems Engineering,
Virginia Tech**

Please have posters up by 10:00 a.m. on Monday

12:30 – 1:30 p.m. **Lunch in Abbott Dining Room**

Session III: Modified Human Products and Extracellular Matrices (decellularized and semi-synthetic)

Session Chairs: Sharon Presnell, PhD (UVA) and Richard McFarland, MD (ARMI)

Speakers:

1:45 – 2:05 p.m. **Lisa Larkin, PhD**
University of Michigan

2:05 – 2:25 p.m. **Reggie Stilwell, CTBS**

2:25 – 2:45 p.m. **AlloSource**
Tom Gilbert, PhD

Miromatrix

2:45– 3:05 p.m. **George Christ, PhD**
University of Virginia

3:05 – 3:30 p.m. Discussion

3:30 – 3:45 p.m. Coffee Break

Session IV: Biofabrication Business Bootcamp

Session Chairs: Rob Gourdie, PhD (Virginia Tech) and Michael Francis, PhD (Embody)

Speakers:

3:45 – 3:50 p.m. **Introduction - Rob Gourdie, PhD**
Virginia Tech

3:50 – 4:10 p.m. **Michael Straightiff, MBA**
UVA Licensing & Ventures Group

4:10 – 4:30 p.m. **Michael Francis, PhD**
Embody

4:30 – 4:50 p.m. **Brian Wamhoff, PhD**
Hemoshear

4:50 – 5:10 p.m. **Elaine Horn-Ranney, PhD**
Tympanogen

5:10 – 5:30 p.m. **Sunil Saini, PhD**
Integra

5:30 – 5:45 p.m. Discussion & Conclusions: George Christ, PhD

6:00 – 7:30 p.m. Social – Abbott Auditorium Lobby