

Training the Regenerative Medicine Workforce for the Future: A Workshop

November 15, 2022: 12:30 PM – 4:30 PM

Virtual Workshop

STATEMENT OF TASK

A planning committee of the National Academies of Science, Engineering, and Medicine will organize a public workshop to explore how the changing landscape and increasingly interdisciplinary nature of regenerative medicine creates unique workforce demands for the field and how these needs may be met through professional development and education.

Workshop presentations and discussions may address the following topics:

- professional development and educational interests of current trainees in regenerative medicine
- unmet needs for a skilled technical workforce in regenerative medicine
- incentives and disincentives for expanding the workforce and retaining skilled individuals in the field
- issues related to current lack of workforce diversity and improving diversity
- ongoing work and possible next steps by universities, professional societies, or other stakeholders to support workforce development in regenerative medicine

The planning committee will organize the workshop, select and invite speakers, and moderate discussions. Proceedings of the workshop—in brief will be prepared by a designated rapporteur in accordance with institutional guidelines.

Please join us via webcast: <https://www.nationalacademies.org/event/11-15-2022/training-the-regenerative-medicine-workforce-for-the-future-a-workshop>

Opening Remarks

12:30 PM ET

Welcoming Remarks

Tim Coetzee, *Forum Co-Chair*

Chief Advocacy, Services, and Science Officer
National Multiple Sclerosis Society

Katherine Tsokas, *Forum Co-Chair*

Vice President
Regulatory, Quality, Risk Management and Drug Safety
Janssen Inc. Canada

12:40 PM

Introduction and Charge to the Workshop Speakers and Participants

Patrick Hanley, *Workshop Planning Committee Co-Chair*

Chief & Director, Cellular Therapy Program
Children's National Hospital
Associate Professor of Pediatrics
The George Washington University

Krishanu Saha, *Workshop Planning Committee Co-Chair*

Associate Professor of Biomedical Engineering
Retina Research Foundation Kathryn and Latimer Murfee Chair
University of Wisconsin-Madison

SESSION I: Systems-Level Gaps and Solutions in Workforce Development in the Regenerative Medicine Ecosystem

Moderator: Jack Mosher, Scientific Advisor, International Society for Stem Cell Research

Session Objectives:

- Explore systems-level gaps and solutions to better address workforce development in regenerative medicine
- Discuss skillsets needed across different sectors of regenerative medicine
- Explore incentives for expanding the workforce, including improving diversity and inclusion

12:50 PM

Initial Remarks (10 minutes each)

Robert Deans

Chief Scientific Officer
Synthego

Linnea Fletcher

Department Chair, Biotechnology
Austin Community College

Barry Bates

Bioscience Program Coordinator
Atlanta Technical College

Brigid Hogan

Professor, Department of Cell Biology and Development and Stem Cell Biology Program
Duke Medical School

Meagan Pasternak

Senior Manager, Workforce Training and Regional Development
International Society for Cell & Gene Therapy

J. Kaitlin Morrison

Assistant Professor of Medicine
Executive Director, LCCC Clinical Research
UNC Lineberger Comprehensive Cancer Center
University of North Carolina School of Medicine

2:05 PM

Panel Discussion

2:45 PM

Break

SESSION II: Early Career Perspectives on Opportunities in Regenerative Medicine

Co-Moderators: Kaivalya Molugu, Scientist, Editas Medicine & Clinton Smith, Graduate Research Assistant, University of Florida

Session Objectives:

- Learn about training experiences that have been influential in the professional development of early-career individuals

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- Discuss gaps in expertise or support that individuals experience at key junctures early in their careers
- Explore solutions to career-related challenges that may encourage and inspire other students

3:00 PM

Initial Remarks (5 minutes each)

Maryam Pashar

Cellular Therapy Laboratory Associate
Children's National Hospital

Elana Cooper

PhD Candidate in Biomedical Engineering
Georgia Institute of Technology
Mentoring Chair, North America Regional Executive Board
International Society for Cell & Gene Therapy

Xinh-Xinh Nguyen

Translational Science Interagency Fellow
National Center for Advancing Translational Science
National Institutes of Health

Nisha Iyer

Assistant Professor
Tufts University

Evan Graham

Applications Consulting Scientist
Biosero
Chair, Early Career Scientist Committee
International Society for Stem Cell Research

3:35 PM

Panel Discussion

4:15 PM

Reflections from the Workshop and Final Comments

Patrick Hanley, *Workshop Planning Committee Co-Chair*

Chief & Director, Cellular Therapy Program
Children's National Hospital
Associate Professor of Pediatrics
The George Washington University

Krishanu Saha, *Workshop Planning Committee Co-Chair*

Associate Professor of Biomedical Engineering
Retina Research Foundation Kathryn and Latimer Murfee Chair
University of Wisconsin-Madison

4:30 PM

Adjourn Workshop