

Duke

UNIVERSITY CENTER OF
EXEMPLARY MENTORING

SECOND ANNUAL RESEARCH SUMMIT

February 25, 2021 | 3:00 – 5:00 p.m.



Program

WELCOME

Calvin Howell, Ph.D.
Professor of Physics
Duke UCEM Co-PI

PRESENTATIONS BY SLOAN SCHOLARS

Introduction

Jacqueline Looney
Senior Associate Dean for Graduate Programs
Associate Vice Provost for Academic Diversity
Duke UCEM Director

Group 1, 3:05–3:33 p.m.

Adriana Stohn, Electrical & Computer Engineering
Jessica LaLonde, Mechanical Engineering
Aitor Bracho, Physics
Gavin Gonzales, Biomedical Engineering
Christina Hanson, Chemistry
Genesis Higueros, Mechanical Engineering
Brian Kunding, Statistical Science

Group 2, 3:36–4:00 p.m.

Ethan LoCicero, Mechanical Engineering
Ezinne Nwankwo, Statistical Science
Alexander Mangus, Electrical & Computer Engineering
Grayson Rice, Biomedical Engineering
Gianna Tutoni, Chemistry
Eric Yeats, Electrical & Computer Engineering

KEYNOTE ADDRESS

Introduction

Jennifer L. West, Ph.D.
Fitzpatrick Family University Distinguished Professor of Engineering

Keynote Speaker

Erika Moore, Ph.D.'18 Biomedical Engineering
Rhines Rising Star Larry Hench Assistant Professor of Materials Science & Engineering
University of Florida

CLOSING REMARKS

Paula D. McClain, Ph.D.
Dean of The Graduate School
Vice Provost for Graduate Education
Duke UCEM Co-PI

BREAKOUT ROOMS

Keynote Speaker

ERIKA MOORE

Ph.D.'18 Biomedical Engineering
Rhines Rising Star Larry Hench Assistant Professor of
Materials Science & Engineering
University of Florida



Erika Moore is the inaugural Rhines Rising Star Assistant Professor in the Department of Materials Science and Engineering at the University of Florida. Her work broadly focuses on understanding how immune cells can be leveraged to enhance tissue regeneration.

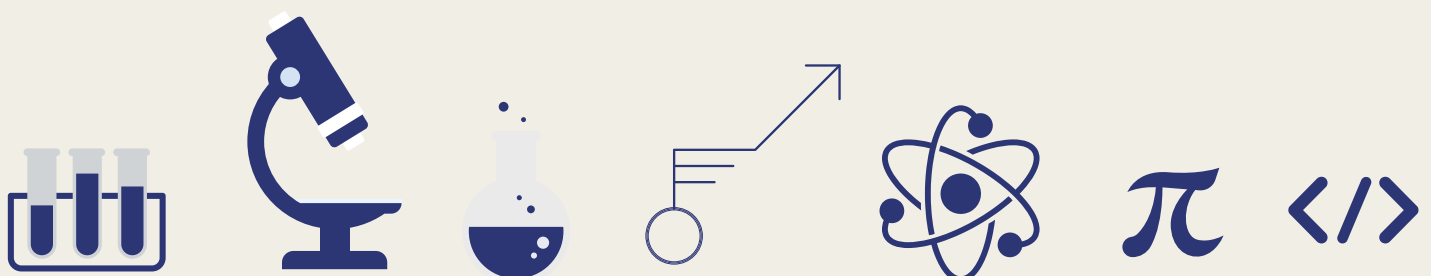
While pursuing her Ph.D. at Duke under the guidance of Jennifer L. West, Moore focused on the use of macrophages, innate immune cells, to support vascularized engineered tissue. This work has been published in the *Annals of Biomedical Engineering*, *Advanced Biosystems*, and the journal of *Regenerative Engineering and Translational Medicine*. She also received the Outstanding Doctoral Dissertation award from Duke.

After earning her Ph.D., Moore worked as the Provost's Post-Doctoral Fellow and a visiting professor at the Johns Hopkins University in

the Department of Biomedical Engineering before joining the University of Florida in June 2020. At Johns Hopkins, Moore focused on profiling B cell responses to injury in small animal models.

Ongoing research efforts of the Moore Lab seek to develop materials capable of directing immune cells towards desired clinical outcomes as well as developing in vitro tissue models to profile immune cell-blood vessel interactions in clinically relevant disease settings.

Recently listed among Forbes' 30 Under 30 in the Healthcare category, Moore is a former member of the Duke Board of Trustees. She has been awarded the KL2 NIH Training grant through the UF Clinical and Translational Science Institute, a Space Research Initiative grant, the NSF Graduate Research Fellowship and the Ford Foundation Fellowship.



Duke UCEM Departments

Biomedical Engineering
Chemistry
Civil and Environmental Engineering
Computer Science
Electrical and Computer Engineering
Mathematics
Mechanical Engineering and Material Sciences
Physics
Statistical Science

Thank You To

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