

SAVE THE DATE: TUES., 12/12

Quantitative Biology and Physiology,
Translational Research in Biomaterials,
Training Program in Synthetic Biology & Biotechnology

GRADUATE RESEARCH SYMPOSIUM

Electrostatic Designer Nanocarriers for Targeted Therapies



Paula Therese Hammond, PhD

Institute Professor
Department Head of Chemical Engineering
Koch Institute of Integrative Cancer Research
Massachusetts Institute of Technology

Professor Paula T. Hammond's research in nanomedicine encompasses the development of new biomaterials to enable drug delivery from surfaces with spatio-temporal control. She investigates novel responsive polymer architectures for targeted nanoparticle drug and gene delivery, and is known for her work on nanoparticles to target cancer, and thin film coatings to release factors that regenerate bone and assist in wound

healing. More recently, she has worked on nanomaterials systems to treat osteoarthritis and staged release systems for the delivery of vaccines.

She was elected into the National Academy of Science in 2019, the National Academy of Engineering in 2017, the National Academy of Medicine in 2016, and the 2013 Class of the American Academy of Arts and Sciences. She has also recently received the American Institute of Chemical Engineers (AIChE) Margaret H. Rousseau Pioneer Award for Lifetime Achievement by a Woman Chemical Engineer in 2019 and gave the Materials Research Society (MRS) David Turnbull Lectureship, 2019.

Dr. Hammond has published over 330 papers, and over 20 patent applications. She is the co-founder and member of the Scientific Advisory Board of LayerBio, Inc., a member of the Scientific Advisory Board of Moderna Therapeutics and a member of the Board of Alector, Inc. In 2021, Professor Hammond was selected to become a member of the President's Council of Advisors on Science and Technology (PCAST).

**Tuesday,
December 12**

**PHO 906
BU Photonics Center
8 St. Mary's Street**

1:20 - 1:30 Opening Remarks

1:30 - 2:30 Student Talks

2:30 - 3:00 Coffee Break

3:00 - 4:00 Keynote

4:00 - 5:00 Student Talks

5:00 - 6:30 Poster Reception



Boston University College of Engineering
Department of Biomedical Engineering

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The Enigmatic Realm of **1992 Trb Distinguished Lecture Part 1**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **1992 Trb Distinguished Lecture Part 1** a literary masterpiece penned by a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of people who partake in its reading experience.

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