

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

1992 Trb Distinguished Lecture Part 1

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1992 TRB Distinguished Lecture Carl L. Monismith, National Research Council (U.S.). Transportation Research Board, 1992 Part 1, 1992 TRB Distinguished Lecture, 1992 **1992 TRB Distinguished Lecture** Carl L. Monismith, National Research Council (U.S.). Transportation Research Board, 1992 Publications - Transportation Research Board National Research Council (U.S.). Transportation Research Board, 1996 **1993 TRB Distinguished Lecture** Bryant Mather, National Research Council (U.S.). Transportation Research Board, 1993 **Transportation Research Record**, 1994 **Government Reports Announcements & Index**, 1993 *Highway Research Abstracts*, 1993 **Government Reports Annual Index**, 1993 **Freight Analysis, Evaluation, and Modeling, Including 2005 Thomas B. Deen Distinguished Lecture**, 2005 **Part 1**, 1999 **Third International Conference on Managing Pavements**, 1994 **Forthcoming Books** Rose Arny, 1993 **Synthesis of Highway Practice** National Cooperative Highway Research Program, 1997 *Truck Operating Characteristics* P. Fancher, 1997 This synthesis will be of interest to engineers and administrators responsible for the design construction and maintenance of highways and bridges as well as to engineering design consultants It will also provide useful information on the influence of the design and operating characteristics of heavy trucks on highway design maintenance and operational performance **News Report**, 1992 **Publications Catalog** National Research Council (U.S.). Transportation Research Board, 1998 Methods to Reduce Built-in Residual Stresses in Steel Bridge Diaphragms (Phase I) Jeffrey M. South, 2000 **Aviation** National Research Council (U.S.). Transportation Research Board, 2002 **Congressional Record** United States. Congress, 2010 The Congressional Record is the official record of the proceedings and debates of the United States Congress It is published daily when Congress is in session The Congressional Record began publication in 1873 Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States 1789 1824 the Register of Debates in Congress 1824 1837 and the Congressional Globe 1833 1873

Enjoying the Tune of Appearance: An Emotional Symphony within **1992 Trb Distinguished Lecture Part 1**

In a world taken by screens and the ceaseless chatter of instantaneous conversation, the melodic beauty and emotional symphony produced by the prepared term often disappear in to the backdrop, eclipsed by the persistent noise and disruptions that permeate our lives. Nevertheless, set within the pages of **1992 Trb Distinguished Lecture Part 1** a wonderful fictional value brimming with raw emotions, lies an immersive symphony waiting to be embraced. Constructed by a wonderful composer of language, this interesting masterpiece conducts readers on an emotional journey, well unraveling the concealed songs and profound affect resonating within each cautiously constructed phrase. Within the depths with this touching review, we shall examine the book's main harmonies, analyze its enthralling writing type, and surrender ourselves to the profound resonance that echoes in the depths of readers' souls.

<https://abp-london.co.uk/About/detail/default.aspx/buckey%20oneill%20the%20story%20of%20a%20rough%20rider.pdf>

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