



The Pariser Global Lectureship for Innovation in Physical Sciences

Hosted by The Brown University Chapter of
Sigma Xi, The Scientific Research Honor Society



Paula Hammond

**Institute Professor, Vice
Provost for Faculty**

**Koch Institute for Integrative
Cancer Research at MIT**

Date:

May 1, 2024

Time:

3:30-4:30 p.m.

Location:

**De Ciccio Auditorium (Room
101) Salomon Hall
Brown University**

Talk Title: Sticky Particles for Health and Healing

Dr. Paula Hammond is a chemical engineer who designs nanoscale materials that can deliver drugs to specific parts of the body. Her work includes designing tiny particles that target chemotherapy drugs directly to tumor cells, and nanostructured dressings that rapidly stop bleeding to save the lives of soldiers wounded on the battlefield.

She has received the Percy Julian Award, the NSF Career Award, the EPA Early Career Award, the DuPont Young Faculty Award, and the 3M Innovation Fund Award, among many other honors. In 2010 the Harvard Foundation named Hammond Scientist of the Year, and in 2015 she was appointed head of MIT's Department of Chemical Engineering—the first woman and the first person of color to hold that post. She is a fellow of the National Academy of Sciences, the National Academy of Engineering, the National Academy of Medicine, the American Institute of Chemical Engineers, and the American Academy of Arts and Sciences, among others.

Sigma Xi's Pariser Global Lectureship for Innovation in Physical Sciences recognizes researchers worldwide for their capacity to bridge the gap between basic and applied research for the betterment of humanity. The lectureship and its recipients honor and reflect the legacy of pioneering chemist Dr. Rudolph Pariser and the creativity and research excellence exemplified throughout his life and career.