Princeton University
Chemical & Biological Engineering

Spring 2013
Departmental Seminar Series

3:30 p.m. Refreshments, A214 E-Quad
4:00 p.m. Lecture, A224 E-Quad (Elgin Room)

February 27, 2013
Nathalie Balaban
The Racah Institute for Physics
Understanding the Variability of Growth in Single Cells: From Bacteria to Mammalian Cells

March 6, 2013
Christopher Roberts
The University of Delaware
Mechanisms and Engineering to Control Aggregation of Therapeutic Proteins

March 13, 2013
Patrick Doyle
Massachusetts Institute of Technology
Synthesis and Applications of Complex Microparticles Using Microfluidic Devices

March 27, 2013
Dudley A. Saville Lecture
Hang Lu
Georgia Institute of Technology
Microtechnologies for High-throughput High-content Developmental Biology and Neurogenetics
Location: Friend Center, FC 113 Convocation Room

April 3, 2013
Ah-Hyung Alissa Park
Columbia University
Towards Sustainable Energy: Carbon Capture, Utilization and Storage (CCUS)

April 6, 2013
Christopher Ellison
The University of Texas at Austin
Manipulating Polymers with Light Activated Chemistries for Patterning Films and Manufacturing Fibers

April 10, 2013
Heinrich Jaeger
The University of Chicago
Granular Streams as Sensitive Probes of Interparticle Forces

April 17, 2013
Zhigang Suo
Harvard University
Soft Active Materials and Soft Machines

April 24, 2013
Michael Levin
Tufts University
Endogenous Bioelectric Determinants of Growth and Form: Molecular Mechanisms and Biomedical Opportunities

For more information please visit www.princeton.edu/cbe
Human health, energy production, innovation in materials – the broad areas of research at Princeton University’s Department of Chemical and Biological Engineering reflect pressing societal needs. They are complex and challenging problems that demand a diversity of viewpoints from the most accomplished and creative people in many fields. That is the motivation behind our spring lecture series. We are proud to bring together this spring outstanding speakers from around the world as outlined in this booklet.

Please join us. The vibrant conversations sparked by these talks have proven time and again to yield fruitful new lines of research and collaborations that have lasting benefits for society.