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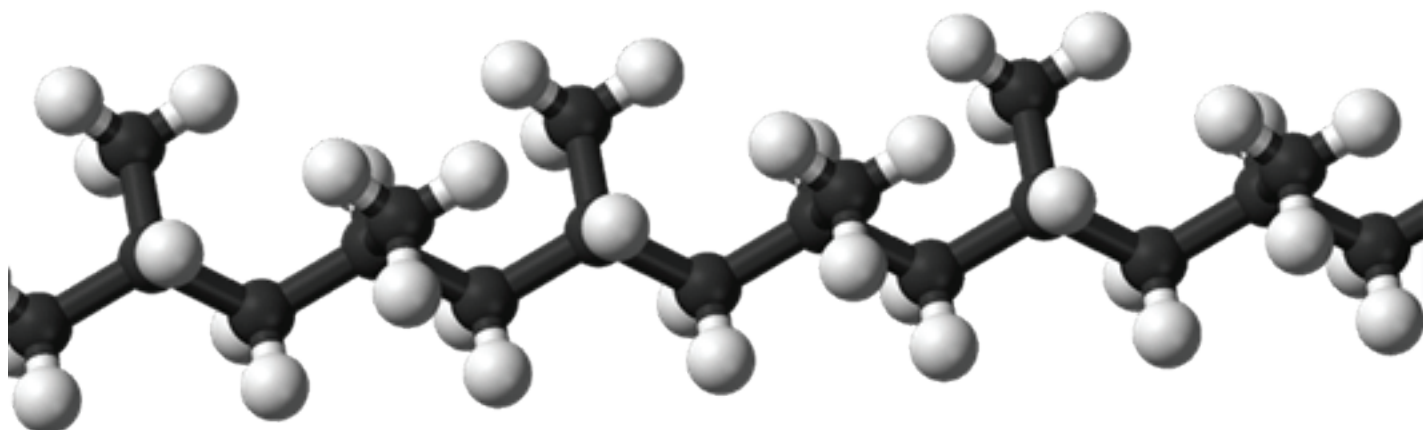
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CHEMISTRY SEMINAR

Christopher M. Bates, Ph.D.

University of California, Santa Barbara

Plastic Confections



Aliso Hall
Room 150

1PM, Friday
October 5,
2018

Free & open
to the public

ABSTRACT:

Polymers, known colloquially as plastics, abound in the world around us due to a host of useful properties that derive from their structure across molecular to macroscopic length scales. In this talk, we will discuss a fascinating subset of these materials known as “block copolymers,” which naturally self-assemble into intricate, nanometer-sized patterns with long-range periodic order. Through the design and synthesis of new block copolymers using simple sugar building blocks, we have uncovered a variety of unique structures that spontaneously form upon heating. This talk will peer into the natural universe through the lens of chemistry and materials science.

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