

Professor Daniel Kahne

Harvard University

Novartis Chemical Sciences Lectureship

*“Assembly of
the Bacterial
Outer
Membrane in
E.Coli”*



Professor of Chemistry,
Chemical Biology and
Molecular & Cellular Biology

Professor of Biological
Chemistry & Molecular
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Thursday
Nov. 19, 2015

3:00 p.m.

Seminar Hall
(1315 Chemistry)

This talk will focus on the biogenesis of the cell envelope of Gram-negative bacteria. The assembly of this organellar membrane must be accomplished outside the cell in the absence of an obvious energy source. My research focuses on identifying and understanding the machinery necessary for proper assembly of this membrane barrier, as well as the mechanisms that lead to defects. Because the outer membrane creates an effective permeability barrier to most antibiotics, understanding how to interfere with its assembly could provide new targets for antibiotic discovery.