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THE RHODE ISLAND SECTION OF THE AMERICAN CHEMICAL SOCIETY
"THE FIRST SECTION"

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Two Speakers at the University of Rhode Island

2019 ALEXANDER CRUICKSHANK LECTURES IN CHEMISTRY

PROFESSOR MICHAEL E. JUNG

UNIVERSITY OF CALIFORNIA, LOS ANGELES
PROFESSOR OF CHEMISTRY AND BIOCHMEMISTRY

Professor Jung is an authority on synthetic organic and medicinal chemistry. Over the last 25 years, he has expanded his role in medicinal chemistry and drug discovery and has more than 15 ongoing collaborations. He has co-founded nine biotech startups, one of which, Aragon, was bought by J&J. Two compounds from his lab have been approved and are on the market: 1) Xtandi, approved 8/31/12, for the treatment of castration-resistant prostate cancer (CRPC), and 2) Erleada, approved 2/14/18, for the treatment of non-metastatic CRPC.

MONDAY, APRIL 29, 2019

2:00 PM BEAUPRE 105 "**A New Mechanistic Paradigm for a Class of Broad Spectrum Antivirals, Active Against Enveloped Viruses**"

The development of a new class of antivirals targeting a novel characteristic of viral cells will be described in detail.

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5:30 PM BEAUPRE 100 "**Drug Discovery in Academia: Successful Case Studies**"

The process of drug discovery in academia will be discussed with several examples of prior and ongoing collaborations, including at least two success stories.

BOTH EVENTS ARE FREE AND OPEN TO THE PUBLIC
* PLEASE JOIN US AT 5 PM IN THE BEAUPRE LOBBY FOR A PRE-LECTURE RECEPTION– LIGHT REFRESHMENTS WILL BE SERVED *

MAY RIACS DINNER MEETING

PROFESSOR MATT BERTIN

UNIVERSITY OF RHODE ISLAND

Dr. Matt Bertin is currently an Assistant Professor of Biomedical and Pharmaceutical Sciences at the University of Rhode Island. The focus of his work is discovering new bioactive metabolites from the marine environment. Prior to arriving at URI, he was a Postdoctoral Fellow at the Scripps Institution of Oceanography under the mentorship of William Gerwick. Matt received his Ph.D. from the Medical University of South Carolina in Biomedical Sciences under the supervision of Peter Moeller.

THURSDAY, MAY 9
"**Discovering New Natural Products from Cyanobacterial Blooms**"

6:00	Buffet Dinner	The Richard E. Beaupre Center for Chemical and Forensic Sciences 140 Flagg Road Kingston Campus
7:00	Presentation of Award and Lecture	Beaupre room 105

For dinner reservations, please email Kathy Siok at *kathys5@cox.net* by Friday, May 3rd at noon.
Cost: $20, $5 for students.

Access to molecular diversity from unusual biological sources is important to developing new natural products in the therapeutic realm. The Bertin Lab is addressing this access gap by discovering new metabolites from cyanobacterial blooms of *Trichodesmium* collected from the Gulf of Mexico. His group has discovered dozens of new molecules from these blooms using traditional bioassay-guided isolation procedures and innovative mass spectrometry-based approaches such as MS/MS-based molecular networking. He will discuss the isolation and analytical procedures used to characterize these new molecules and he will discuss some interesting potential therapeutic leads.

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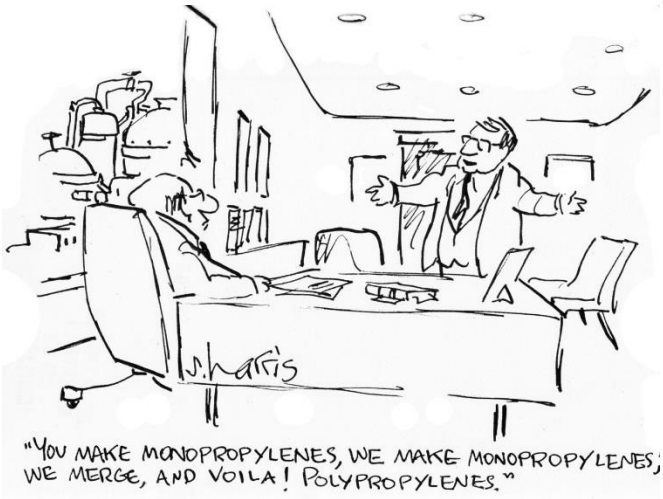

"Polymers are fundamental to every part of our society, and they have all kinds of amazing properties. This cartoon depicts a merger of chemicals being discussed by two businessmen (at least they look like businessmen since there are vests and ties; no lab coats) to create a polymer. The timing for this cartoon couldn't be more appropriate given the recent merger of Dow and DuPont, two of the oldest and largest polymer companies in the world. Polymers are a great example of this — given all they have done for the world. But then again, DowDuPont merged with the intention to separate into three new entities. Just like chemistry, we may ask, "What will the (perhaps unstable) equilibrium look like?" — Robert Langer, MIT