



華美化學學會
Chinese American Chemical Society

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2019 Tri-State CACS Annual Symposium

Sustainability in Chemistry: Challenges and Solutions

Co-sponsored by
The Department of Medicinal Chemistry
Ernest Mario School of Pharmacy, Rutgers University

8:00 am – 4:30 pm
Saturday, June 15, 2019

Lecture Hall 131
Ernest Mario School of Pharmacy
Rutgers University
160 Frelinghuysen Road, Piscataway, NJ 08854

www.tristatecacs.org



Foreword

Welcome to the 2019 Tri-State CACS Symposium!

On behalf of the Tri-State CACS Board, we would like to express our sincerest appreciation to our sponsors, vendors and volunteers for their support and contributions to our symposium and to our organization.

Today, chemical and pharmaceutical enterprises are facing ever-increasing challenges due to technology advances, regulatory pressures and increasing competitions in the global business environments. As a result, merge, acquisition and reorganization have become the norm that has impacted companies and employees alike. To address these changes and challenges, organizations across the globe are devising R&D and business strategies and processes that are focusing on innovation and sustainability to accelerate the research, development and commercialization of new products. The challenges and solutions around sustainability in chemistry will be the topic of our symposium this year.

Over the years, Tri-State CACS has been bringing its members the opportunity to expand their skills through its annual symposium. This year, we are very pleased to have another group of prominent speakers from various industries and educational and non-profit organizations to join us at our symposium. These leaders will share their perspectives on “**Sustainability in Chemistry: Challenges and Solutions**”. We thank all the speakers for sharing their visions concerning future growth drivers in their respective disciplines, their leadership experience and advice on professional growth.

The presentations will be accompanied by vendor exhibitions. In addition, our symposium will serve as an excellent venue for chemical and pharmaceutical professionals to interact with colleagues from diverse background. Registration for the symposium is free and breakfast and lunch are complimentary. There will be ample job opportunities for job seekers.

We thank you for making this symposium part of your weekend and for making CACS a more valuable professional organization to all of us.

We wish each and every one of you get the most out of this annual symposium.

Li Xu, Ph.D.
Immediate Past-President
Tri-State CACS

Yingchun Lu, Ph.D.
2019 President
Tri-State CACS

Dachao Li Ph.D.
President-Elect
Tri-State CACS



Program Schedule

8:00 Registration / Breakfast & Coffee

Morning Session

(Session Chairs: Drs. Wenmei Xue and Yunlong Zhang)

8:30 Opening Remarks, **Yingchun Lu**, Ph.D., President, Tri-State CACS

8:35 Welcoming Speech, **Longqin Hu**, Ph.D., Professor and Chair, Medicinal Chemistry, Rutgers University

8:40 **Bonnie Charpentier**, Ph.D., ACS President, “Congratulating Speech via Video”

8:45 **James Bohling**, Ph.D., Fellow, Dow Coating Material, The Dow Chemical Company, “The Journey to Getting More from Less, The Evolution of High Performance Waterborne Coatings with Improved Eco Profile”

9:20 **Burcu Bayram**, Senior Manager, Environmental Catalysts Research, BASF, “Current Status and Challenges in Diesel Emission Control Catalysis”

9:55 Vendor Show, Coffee Break & Networking

10:25 **Tim Barckholtz**, Ph.D., Senior Scientific Advisor, ExxonMobil Research and Engineering, “CO₂ Capture Using Carbonate Fuel Cells”

11:00 **Bo Liang**, Ph.D., Co-Founder & Chairman, Adesso Advanced Materials, “Recyclable Thermoset Resins for Sustainable Composites”

11:35 **Andrew Fornadel**, Ph.D., Marketing Manager of Energy & Chemicals Market at Shimadzu Scientific Instruments, “Trends in Analytical Instrumentations Towards Sustainability”

11:55 Lunch Break and Vendor Show (on site)

Afternoon Session

(Session Chairs: Drs. Yuan Cheng and Wendy Zhong)

1:30 **Grant Kenion**, Senior Scientific Principal, Henkel, “Food Contact Notification - A Best Practice for Evaluating Food Packaging Materials”

2:05 **Kevin Maloney**, Ph.D., Director in Process Chemistry, Merck & Co., Inc., “Innovating for a Greener Future: Development of a Fully Biocatalytic Manufacturing Route for MK-8591”

2:40 Prize Drawing, Vendor Show, Coffee / Ice Cream Break / Networking

3:15 **Jin Zhu**, Ph.D., Attorney at Law, Fox Rothschild LLP, “What Does the Supreme Court Think About Intellectual Property Protection”

3:35 **Jingpin Jia**, Ph.D., Associate Director in Global Regulatory Science, Bristol-Myers Squibb, “Introduction to CMC Regulatory Affairs”

4:10 Closing Remarks, **Dachao Li**, Ph.D., 2019 President-Elect, Tri-State CACS

4:15 Prize Drawing

4:20 End



Vendor Show
8:30AM – 4:00PM

(Session Chairs: Drs. Mingxiang Lin, Chii-Fen Wang)

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