



**American Chemical Society (ACS, Omaha section) and  
American Association of Pharmaceutical Scientists  
(AAPS, Creighton University)  
invite you to**

**Virtual Drug discovery and delivery symposium 2020**

**December 3, 2020  
1:00 - 5:00 PM CST**

# ACS-AAPS Drug discovery and delivery symposium 2020



Time	Topic	Speaker
1:00-1:45 PM	Resume and LinkedIn profile building	Tobias Nownes
1:45-2:45 PM	Fighting resistance: Discovery and development of new antimicrobial agents	Dr. Sylvie Garneau-Tsodikova
2:45-4:00 PM	Non-traditional and traditional approaches for delivery into/through skin	Dr. Ajay Banga
4:00-5:00 PM	“Career Guidance” Panel Discussion*	Dr. Feng Zhang, Jordan Boerma, Puneet Sharma, Dr. Setu Roday and Dr. Urvi Gala

\*A panel discussion with chemistry and pharmaceutical professionals from academia and industry. Professionals will provide insight in the daily life of a professional in a variety of industries, followed by a Q&A session.

**Instructions:** Kindly RSVP to [harshchauhan@creighton.edu](mailto:harshchauhan@creighton.edu) (Chair, ACS Omaha section) or [namrathaturuvekerevittalamurthy@creighton.edu](mailto:namrathaturuvekerevittalamurthy@creighton.edu) (Chair, AAPS Creighton University student chapter). Zoom link with the password will be sent to you via email.

# Our Speakers



**Dr. Sylvie Garneau-Tsodikova, PhD**  
**Professor & Assistant Dean for**  
**Research, University of Kentucky**  
<https://pharmacy.uky.edu/people/sylvie-garneau-tsodikova>



**Dr. Ajay Banga, PhD**  
**Professor, Chair of the Department of**  
**Pharmaceutical Sciences, Mercer**  
**University**  
<https://pharmacy.mercer.edu/faculty/banga/>

## Panel Discussion members

Join us for an informative evening with expert professionals!

Dr. Feng Zhang,  
Assistant Professor,  
University of Texas

Puneet Sharma,  
GSK

Jordan Boerma,  
ConAgra

Dr. Setu Roday,  
Vertex Inc.

Dr. Urvi Gala,  
Dispersol  
Technologies  
LLC

# Dr. Sylvie Garneau-Tsodikova, PhD

## Professor & Assistant Dean for Research



- Sylvie Garneau-Tsodikova graduated in 1995 at the top of her class in chemistry and obtained her M.Sc. in 1997 from Université Laval (Québec, Canada). She then joined the Ph.D. program in chemistry at the University of Alberta (Edmonton, Canada).
- From Alberta, Dr. Garneau-Tsodikova moved to Harvard Medical School where she worked as a postdoctoral fellow in Professor Christopher T. Walsh's laboratory.
- From 2006-2013 she joined the University of Michigan as the John G. Searle Assistant Professor of Medicinal Chemistry in the College of Pharmacy and Research Assistant Professor in the Life Sciences Institute.
- In April 2013 she joined the University of Kentucky as an Associate Professor of Pharmaceutical Sciences in the College of Pharmacy.
- In 2018 she was promoted to Full Professor and Assistant Dean for Research in the College of Pharmacy.
- Using a multidisciplinary approach involving disciplines such as molecular biology, microbiology, biochemistry, as well as organic and medicinal chemistry, she is addressing several issues in synthetic biology and chemistry. Her research program has two main focuses:
  - (i) the understanding of enzyme mechanisms involved in the biosynthesis of nonribosomal/polyketide antibiotics and anticancer agents as well as the development of new tools to generate and engineer novel nonribosomal peptides through combinatorial biosynthesis, and
  - (ii) the understanding and development of new molecules to combat bacterial resistance with a special focus on tuberculosis, fungal infections, and oral pathogens.

# Dr. Ajay Banga, PhD

## Professor, Chair of the Department of Pharmaceutical Sciences, Mercer University



- Dr. Ajay K. Banga is Professor in the Department of Pharmaceutical Sciences at the College of Pharmacy, Mercer University, Atlanta, GA, USA.
- He serves as Department Chair and as Endowed Chair in transdermal delivery systems. He has served as a consultant to over 25 companies in the area of his research expertise, which is in skin delivery systems.
- Dr. Banga has a Ph.D. in pharmaceutical sciences from Rutgers University, NJ, USA. He has mentored 40 Ph.D. students as their major advisor, and his laboratory has been funded by over 100 grants/contracts from pharmaceutical and cosmetic companies, and by federal funds.
- Dr. Banga currently serves on the Editorial Board of several journals and has served as the Editor-in-Chief for a drug delivery journal. He has written three books in the areas of delivery of proteins and transdermal delivery, and published 165 manuscripts, 12 book chapters, and made over 260 conference presentations with his students.
- He has given over 90 invited lectures and served on over 60 thesis/dissertation advisory committees and as a referee for over 40 journals. He is a Fellow of the American Association of Pharmaceutical Scientists.