

C&EN PICKS THE SPEAKERS AND SYMPOSIA TO CATCH IN SAN DIEGO



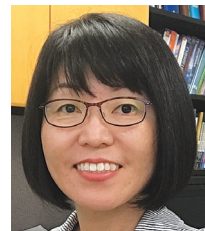
Swiss Federal Institute of Technology, Lausanne (EPFL)
Deciphering the role of reactive electrophiles in cell signaling



Matteo Brogi, University of Warwick
Looking for water on distant planets



Chunying Chen, National Center for Nanoscience and Technology of China
Tracking nanoparticles in living systems



Kyoung-Shin Choi, University of Wisconsin-Madison
Removing salt from seawater



Livia Eberlin, University of Texas at Austin
Using mass spec for more precise surgery



Patrick El-Khoury, Pacific Northwest National Laboratory
Expanding what tip-enhanced Raman spectroscopy can do



Thilo Focken, Xenon Pharmaceuticals
Developing drugs to treat childhood epilepsy



Robert Gilliard Jr., University of Virginia
Synthesizing boron- and germanium-containing hybrid materials



Malika Jeffries-EL, Boston University
Designing organic electronic materials



Joshua Kaitz, Dupont
Making organic materials for improved computer chips



Seong Ho Kang, Kyung Hee University
Achieving superresolution during imaging without fluorescence



Alireza Khademhosseini, University of California, Los Angeles
Engineering materials for tissue regeneration



Benjamin Maynor, Liquidia Technologies
Molding nanoparticles for drug delivery



Sara Orski, National Institute of Standards and Technology
Measuring plastics recovered from beaches and marine animals



Victoria Piunova, IBM Research—Almaden
Developing therapies for citrus greening



Avi Schroeder, Technion—Israel Institute of Technology
Turning artificial cells into protein drug factories



Krisztina Varga, University of New Hampshire
Characterizing the structure and function of antifreeze proteins



Jackson Webster, California State University, Chico
Tracking water quality after the 2018 Camp Fire in California



Monique Wilhelm, University of Michigan—Flint
Keeping the Flint water crisis on scientists' and society's radar



Daniela Wilson, Radboud University
Making smart polymeric nanomachines

The program can be overwhelming. Here are a few symposia to get you started.

Title	Description	Time
Water, Health & Environmental Justice in Marginalized Communities	This symposium examines issues of water sanitation facing people around the world, including homeless encampments in the US.	Sunday AM/PM
Hybrid Energy Techniques: Catalysts to Vehicle	Learn about advances in fuel cells and batteries for hybrid vehicles and other applications.	Sunday AM/PM, Monday AM
Molten Salt Reactor Chemistry (NUCL) & Molten Salt Chemistry (I&EC)	There's renewed interest in molten salts for use in nuclear reactors and for solar energy concentration.	Sunday AM/PM, Monday AM, Tuesday AM/PM, Wednesday AM
Celebrating Sir Martyn Poliakoff: From Blue Matrix to Green Chemistry & Everything in Between	This session honoring chemistry's YouTube star wraps up with a Q&A moderated by C&EN.	Sunday PM
Frontiers in Interdisciplinary Research: New Paradigms for Integration of Theory and Experiment	Theorists and experimentalists will talk about their collaborations, followed by multiple student-led panel discussions.	Monday AM/PM
Drug Discovery Beyond the Rule of 5	If we're ever to hit so-called undruggable targets, we need to move beyond designing drugs with Lipinski's rule in mind.	Tuesday AM
Environmental Chemistry through the Transformative Power of Film: An Environmental Film Competition of CEI & ENVR	At this mini film festival, you can view award-winning films from a competition sponsored by ACS's Committee on Environmental Improvement and Division of Environmental Chemistry.	Tuesday PM
One Million Crystal Structures: A Wealth of Structural Chemistry Knowledge	Come celebrate the milestone of Cambridge Structural Database's 1 millionth structure by learning about how people use the resource.	Tuesday PM, Wednesday AM/PM
Geochemistry of the Urban & Lived Environment	Learn about the impact that humans and cities have on the geochemistry around them.	Wednesday AM
From Lab to Commercial Scale: The Challenges to Scaling Up Flow Chemistry in the Pharmaceutical Industry	You've got a flow-based synthesis for your drug molecule. How do you scale it up? Pharma scientists talk about the challenges.	Wednesday AM/PM

► C&EN's editorial team, not its BrandLab team, selected the speakers and symposia in this meeting guide. Senior Correspondent Celia Henry Arnaud spearheaded the effort.

MORE ONLINE

To find out more details about the dates and times for these presenters and symposia, visit cenm.ag/2019SanDiego.