

January Meeting - Powell Lectureship

Friday, January 28, 2022

**THIS WILL BE A VIRTUAL MEETING,
USING THE ZOOM TELECONFERENCING PLATFORM**

Pre-Meeting Session: **6:00 pm** - Presentation by the University of Richmond on Chemistry at U of R and the W. Allan Powell Lectureship (the Zoom waiting room will be open at **5:45 pm**)

Presentation and Q&A Session: **6:30 pm** - **Dr. Stephen L. Buchwald**, MIT

MEETING SPONSOR: University of Richmond

MEETING HOST: **Dr. Raymond Dominey**, rdominey@richmond.edu

ZOOM HOST: Dr. Raymond Dominey, rdominey@richmond.edu

SPEAKER: **Dr. Stephen L. Buchwald**, Camille Dreyfus Professor, Department of Chemistry, Massachusetts Institute of Technology

TOPIC: "Palladium-Catalyzed Carbon-Heteroatom Bond-Forming Reactions for the Functionalization of Molecules Big and Small"

INSTRUCTIONS FOR ACCESSING THE JANUARY 28 MEETING USING ZOOM

Use this link to register in advance for this meeting:

<https://urichmond.zoom.us/meeting/register/tZY1duqurDovE9wlnbFuepkiEvprkvuawnNX>

After registering, you will receive a confirmation email containing information about joining the meeting. If you have problems registering, contact Dr. Raymond Dominey at U of R: rdominey@richmond.edu; (804) 289-8761 or Liza Williams: lwillia9@richmond.edu; (804) 289-8242.

PROFESSOR STEPHEN L. BUCHWALD

Camille Dreyfus Professor
Department of Chemistry
Massachusetts Institute of Technology



Professor Buchwald joined the chemistry faculty at MIT in 1984 and was named the Camille Dreyfus Professor in 1997. He has received numerous awards and honors including the 2000 Award in Organometallic Chemistry from the ACS, the American Chemical Society's Award for Creative Work in Synthetic Organic Chemistry in 2005, and the 2013 Arthur C. Cope Award. In 2019 he was given the Roger Adams Award and the 2019 Wolf Prize in Chemistry. He is the coauthor of over 535 published or accepted papers and 53 issued patents. He is a fellow of the American Academy of Arts and Sciences and a member of the National Academy of Science.

***"Palladium-Catalyzed Carbon-Heteroatom Bond-Forming Reactions
for the Functionalization of Molecules Big and Small"***

This lecture will include: 1) An introduction to palladium-catalyzed carbon-heteroatom bond-forming reactions including a brief historical overview. 2) A description of ligand and precatalyst development employing biarylphosphines. 3) Applications of these catalysts to the preparation of compounds of interest to medicinal chemists. 4) Examples of the use of Pd complexes for the selective functionalization of large molecules.