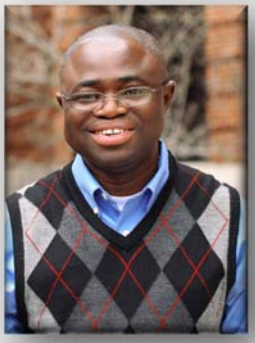
Department of Chemistry and Biochemistry
Physical Chemistry Seminar Series



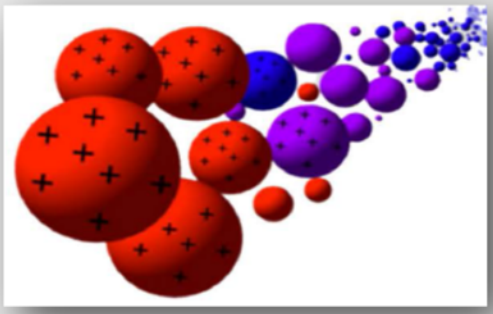
Abraham Badu-Tawiah

The Ohio State University
Chemistry and Biochemistry

Monday, April 9, 2018 ~ 2:00 pm 331 Klamath Hall

Accelerated Droplet Chemistry: How and Why?

Droplet-based reactions have imparted fundamental and applied research in chemistry. Recently, the use of charged droplets derived from electrospray ionization to increase the rates of solution-phase organic reactions has been explored. We have shown that a new contained-electrospray source enables the use of the droplet environment for quantitative mass spectrometry, excited-state chemistry and electro-catalysis. This presentation will focus on mechanistic insights of this phenomenon, and its application to top-down proteomics and general chemical synthesis.



Refreshments served at 1:45 pm 331 Klamath Hall

Hosted by Jim Prell