



Lubricants and Glitter: Revolutionizing Sexual Assault Investigation

Wednesday October 21st, 2020

5:00 – 6:00 PM (PDT)

A co-sponsored online event between ACS California Section and AWIS East Bay

The event will include a presentation followed by a Q&A session.

Sexual assaults includes situations in which the assailant is known or unknown. While DNA is the go-to forensic evidence in sexual assault cases, the reality is that the use of condoms in sexual assault is increasing in an effort to minimize the type of DNA left at the crime scene, specifically sperm/semen. Therefore, in the absence of DNA, it is necessary to identify other type of forensic evidence (such as lubricants and cosmetic residues) that could be used in these types of cases to link the three points in the criminal triangle, e.g. victim, suspect and crime scene. This talk will discuss current efforts that we are conducting to understand the evidentiary value of lubricant and cosmetic evidence and appropriate analytical methods to analyze and characterize unknown samples collected in a sexual assault or physical assault cases.



Dr. Candice Bridge is an Associate Professor in the Department of Chemistry and the National Center for Forensic Science. She received her Ph.D. in Analytical Chemistry from the University of Central Florida. Dr. Bridge was a postdoctoral associate at the Center for Research and Education of Optics and Lasers at UCF before joining the Department of Chemistry faculty at Howard University. She then worked at the U.S. Army's Defense Forensic Science Center as a Forensic Scientist and then a Research Scientist before joining UCF. Her current research focuses on the analysis of trace evidence forensic materials to understand the uniqueness of chemical features. Using a variety of mass spectrometry techniques, they look to develop analytical methods that can increase the validity and evidentiary value of forensic evidence, which is determined using chemometric statistical techniques.

[RSVP here!](#)

Zoom link to be shared with attendees the day of the event.

[The event is FREE and open to all.](#)

More information at: calacs.org or email taheri@ucdavis.edu or ebawis.help@gmail.com