



# CALIFORNIA ASSOCIATION OF CRIMINALISTS

## Virtual Joint Northern and Southern Study Group December 8, 2021

Thank you for attending the virtual CAC Study Group Meeting. We received positive feedback for the joint study groups allowing the Northern and Southern California members to interact. We hope to have in-person meetings again in 2022 with a virtual option.

Cindy Anzalone and Lauren Sautkulis  
CAC Regional Directors – North and South

### VIRTUAL MEETING INSTRUCTIONS

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Before the Meeting       | <p>-Download Zoom Client for optimal participation. Test out the computer and software before the meeting. Phoning in is an option, but participation functions may be limited</p> <p>-Register at <a href="https://cac.wildapricot.org/events">https://cac.wildapricot.org/events</a></p> <ul style="list-style-type: none"><li>a) Individuals must register in order to receive the Zoom meeting link AND to receive a Certificate of Attendance</li><li>b) If you are logging into the meeting as a group (multiple people on one computer), please email <a href="mailto:northregion@cacnews.org">northregion@cacnews.org</a> the names of the members in your group</li><li>c) You may participate in only 1 session in the AM and 1 session in the PM</li></ul> <p><b>Deadline to register is 8:00 am December 8, 2021</b></p> <p>-Please email the chairperson of your group questions, comments, or answers to the round table topics prior to the meeting</p> |
| Logging into the Meeting | <p>Login using your first and last name. This will be used to verify your attendance. If logging in as a group, please use the initials of your lab and the meeting you are attending (eg. San Mateo County Sheriff's Office – Trace/Arson Meeting = SMCSO T/A)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| During the Meeting       | <p>-Please try to minimize background noise. Participants may be muted so remember to unmute to speak or use the "Chat" function to send in questions/comments</p> <p>-Take pictures/selfies/screenshots of you and your peers and send them to <a href="mailto:editor@cacnews.org">editor@cacnews.org</a></p> <p><b>Meetings will be recorded and made available for future viewing</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**MORNING SESSIONS - AGENDA**

|                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>DNA</b><br/>8:00am to 12:00pm</p> <p><u>Co-Chairpersons:</u><br/>Natalie Jones<br/><a href="mailto:ionesn@sacda.org">ionesn@sacda.org</a><br/>Alisha Sandvig<br/><a href="mailto:alisha.sandvig@sdsheriff.org">alisha.sandvig@sdsheriff.org</a><br/>Shelby Mujica<br/><a href="mailto:shelby.mujica@sdsheriff.org">shelby.mujica@sdsheriff.org</a></p> | <ol style="list-style-type: none"> <li>1. Processing and detection effects on DNA analysis             <ol style="list-style-type: none"> <li>a. How latent fingerprint techniques affect subsequent DNA testing                 <ol style="list-style-type: none"> <li>i. <b>Sarah Lucchesi &amp; Vanessa Bell</b>, student interns, Sacramento County Crime Lab, 30 minutes</li> </ol> </li> <li>b. Why every lab should use Leucocrystal Violet and Bluestar in their Biology/DNA sections                 <ol style="list-style-type: none"> <li>i. <b>Ryan Nickel</b>, Criminalist IV, Sacramento County Crime Lab, 30 minutes</li> </ol> </li> </ol> </li> <li>2. FaSTR™/NOClT             <ol style="list-style-type: none"> <li>a. Determining the Number of Contributors in a DNA Mixture: A Validation Study of FaSTR™ and NOClT                 <ol style="list-style-type: none"> <li>i. <b>Elizabeth Wade</b>, Ventura County Forensic Services Bureau and Boston University, 20 minutes</li> </ol> </li> <li>b. A FaSTR™ Way for DNA analysis                 <ol style="list-style-type: none"> <li>i. <b>Helena Wong</b>, Criminalist II, Oakland Police Department Crime Laboratory, 45minutes</li> </ol> </li> </ol> </li> <li>3. Roundtable Discussion             <ol style="list-style-type: none"> <li>a. Reporting quantitative and qualitative LRs</li> <li>b. Responses to NIST foundational review</li> </ol> </li> </ol> |
| <p><b>FIREARMS</b><br/>9:00 am to 12:00 pm</p> <p><u>Co-Chairpersons:</u><br/>Todd Weller<br/><a href="mailto:wellerforensics@gmail.com">wellerforensics@gmail.com</a><br/>Jessica Winn<br/><a href="mailto:jessica.winn@doj.ca.gov">jessica.winn@doj.ca.gov</a></p>                                                                                         | <p><b>Ryan Lilien</b><br/>Latest 3D work he's been working on, 40 min</p> <p><b>Todd Weller and Megan Burgess</b><br/>IBIS Roundtable, 35 min</p> <p><b>Meghan Burgess</b><br/>Shooting Reconstruction Discussion, 15 min</p> <p><b>Megan Pytlik</b><br/>Discussion about ongoing case, 15 min</p> <p><b>Jason Otis</b><br/>Ghost guns and other conversions, 15 min</p> <p><b>Todd Weller</b><br/>Admissibility challenges, latest trends in them, how it's evolved, 30 min</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>TRACE and ARSON</b><br/>9:00 am to 12:00 pm</p> <p><u>Co-Chairpersons:</u><br/>Gina Williams<br/><a href="mailto:Gina.Williams@doj.ca.gov">Gina.Williams@doj.ca.gov</a><br/>Brittany Crane Calhoun<br/><a href="mailto:Brittany.M.Crane@usdoj.gov">Brittany.M.Crane@usdoj.gov</a></p> | <p><b>Chris Vance</b>, Criminalist II from San Diego Sheriff's Department Regional Crime Lab<br/>Fire debris case presentation</p> <p><b>John Jermain</b>, Explosive Chemist from Bureau of Alcohol, Tobacco, Firearms and Explosives<br/>"Forensic Analysis of Dynamite"</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**AFTERNOON SESSIONS**

|                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>DRUGS and TOXICOLOGY</b><br/>1:00pm to 3:00pm</p> <p><u>Co-Chairpersons:</u><br/>Jean Arase<br/><a href="mailto:jarase@lab.sccgov.org">jarase@lab.sccgov.org</a><br/>Chris Vance<br/><a href="mailto:christopher.vance@sdsheriff.org">christopher.vance@sdsheriff.org</a><br/>Valera Horton<br/><a href="mailto:VSH@occl.ocgov.org">VSH@occl.ocgov.org</a></p> | <p><b>Nate Overlid and Eric Ingle</b>, Solano County BFS<br/>"Identification of Fluorofentanyl Analogues"</p> <p><b>Christine Moore</b><br/>"Drug Impaired Driving: Laboratory Analysis of Oral Fluid"</p> <p><b>Dr Luke Rodda</b>, 30 min<br/>"Oral Fluid Program – Experiences from 2004-2014"</p> |
| <p><b>DNA Technical Leaders</b><br/>1:00pm to 3:00pm</p> <p><u>Moderator:</u><br/>Joy Viray<br/><a href="mailto:virayj@sacda.org">virayj@sacda.org</a></p>                                                                                                                                                                                                           | <p>Round Table Discussion</p> <p><b>**FOR DNA TECHNICAL LEADERS ONLY**</b></p>                                                                                                                                                                                                                       |