



## CALIFORNIA ASSOCIATION OF CRIMINALISTS

**Southern California Study Group**  
**Hosted by the San Diego Sheriff's Department Crime Lab**  
**January 15, 2020**

### MORNING SESSIONS

<b>CSI</b> 8:45 am to 10:45 am  1 <sup>st</sup> Floor Training Room	1) Brande Silverthorn – Scenes and Grave Excavations on Native American Reservations 2) Bring Your Own Case/Roundtable Discussions
<b>Trace/Arson</b>  8:45 am to 10:45 am  3 <sup>rd</sup> Floor Medium Conference Room	TBA
<b>Blood Alcohol</b>  8:45 am to 10:45 am  4 <sup>th</sup> Floor Large Conference Room	<p>Back to Basics</p> <p>The Forensic Alcohol Units at various labs usually have a high degree of turn over, but even if you've been around awhile, it doesn't hurt to "refresh your recollection" (court buzz words) once and a while.</p> <p>At this next meeting, be prepared to:</p> <ul style="list-style-type: none"><li>• Talk about how your lab produces blood alcohol kits. Do you make your own? Do you buy from an outside vendor? What preservative do you use? What anticoagulant do you use?</li><li>• Who draws your blood samples? Nurses at the hospital? A contract company? How do you receive your samples?</li><li>• What instrumentation do you use to analyze your blood and urine samples? Do you also analyze post mortem samples? Do you analyze prunos from your jails? How do you follow the T17 requirements for these samples (both AM and PM samples if you do both, otherwise just the AMs)? What GC columns do you use? How many analysts are involved?</li><li>• What breath equipment do you use? When was it placed on the Conforming Products List? Who makes your fuel cell? If you use IR, what wavelengths of IR are you looking for? Probably some kind of filter, what wavelength are those filters? Do you have a slope detector/mouth alcohol detector on your equipment? How does it work? How do you guard against acetone or other ketones interfering with your breath test?</li></ul> <p>I have found over the years that knowing what other labs in California do and how they address Title 17 requirements can be very useful information in court. It has often times assisted me in cross examination, when push comes to shove.</p>

## LUNCH: CASE PRESENTATION

<p>11:00 am to 1:00 pm</p> <p>1<sup>st</sup> Floor Training Room</p>	<p><b>Detective Udvarhelyi and Detective Damian - Escondido Police Department</b></p> <p>During the Summer of 2013, 27 year-old Gilbert Chavarria terrified the residents of North San Diego County after he forced his way into several homes and sexually assaulted nine children between the ages of 4 to 15 while they were asleep. During the initial investigation(s) DNA was identified at two separate crime scenes in two separate cities. Chavarria's eventual arrest was the first in San Diego County history resulting from a familial DNA match. This case study will detail the exhaustive investigative efforts preceding and following Chavarria's arrest to include: the development of a major case strategy while working in partnership with other investigative agencies, post-arrest interview strategy and the significant lessons learned throughout the course of the 18 month-long investigation. In March of 2019, efforts were made to meet with and speak to Chavarria following his sentencing in January of 2018. Investigators will share with you details of their candid interview with Chavarria and how they learned details about the investigation that were not known until their meeting in March of 2019.</p>
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## AFTERNOON SESSIONS

<p><b>DNA</b></p> <p>1:15 pm</p> <p>1<sup>st</sup> Floor Training Room</p>	<ol style="list-style-type: none"> <li>1) Shelby Grose, San Diego Sheriff's Department – Animal Cruelty Cases</li> <li>2) Cydne Holt, Verogen – NGS, Genealogy, and What to Expect in the Future</li> <li>3) Roundtable Discussion – Transition to 2020 QAS</li> </ol>
<p><b>Controlled Substances/Toxicology</b></p> <p>1:15 pm</p> <p>4<sup>th</sup> Floor Large Conference Room</p>	<p>An Agent from DEA San Diego's Overdose Response Team is giving an overview of their newly formed multi-agency task force. He covers a case in its entirety, including OD investigation, discovery, and sentencing. He addresses evidence gathering, preservation requests by the ME and investigative techniques used for the case, scene response management, and addresses challenges with these types of investigations. Q&amp;A and CS/Tox roundtable follow.</p>