



## American Society of Crime Lab Directors

### "THE CRIME LAB MINUTE" NEWSLETTER



Dear Colleagues,

The ASCLD Manager's Toolkit is a project in development by the Member Resource Committee (MRC) designed to be a resource for members and to enhance collaboration. The Toolkit is located on the ASCLD Member Site and currently houses a variety of laboratory resources including:

1. Links to online laboratory policies and manuals from the forensic community
2. Model policies developed by the Member Resource Committee and adopted by the Board
  - a. Employee DNA Databases (January 15, 2017)
  - b. Re-Analysis of Evidence (May 1, 2017)
  - c. Dissemination of Case Reports (May 1, 2017)
  - d. Employee Reference Samples (July 24, 2017)

The ASCLD Board is grateful for the excellent work done by George Herrin and Stephanie Stoiloff as the first co-chairs of the MRC. Board members Linda Jackson and Erin Forry have agreed to take over as co-chairs and would like to encourage ASCLD members to volunteer to assist in providing shared resources. Everyone knows that it is easier to edit a document or policy from something existing than to start from scratch. Please contact them at [linda.jackson@asclcd.org](mailto:linda.jackson@asclcd.org) or [erin.forry@asclcd.org](mailto:erin.forry@asclcd.org) with any questions or to add your talents to the effort.

The MRC would like to assess the interests of the membership with a brief 3-minute survey. The link is:  
[https://docs.google.com/forms/d/e/1FAIpQLSekolVgfb68iN0U-k9VLHvbVc3DkRrAS2CPZL1i\\_tmCcCNgsQ/viewform?c=0&w=1](https://docs.google.com/forms/d/e/1FAIpQLSekolVgfb68iN0U-k9VLHvbVc3DkRrAS2CPZL1i_tmCcCNgsQ/viewform?c=0&w=1).

It will be quick and painless, so please provide your thoughts. We are our own best resource. Please share your experience and expertise to help us all move the ball forward.

Ray Wickenheiser

ASCLD President

## Guest-Speaker Line Up

In addition to the many outstanding speakers we have from within our own community, we have invited several guest speakers to share their perspectives and insights.

Director Alan Hanson  
Principal Deputy Assistant Attorney General  
U.S. Department of Justice

Ambassador Thomas Miller  
3-time U.S. Ambassador  
Current CEO of International Executive Service Corps

Lt. General John Regni  
Base Commander  
Former Superintendent of the U.S. Air Force Academy

Nathan Bennett  
Georgia State Business School—Managing poor performance

Fred Jewell  
Author—We can't do it alone, building influence with simple strategies

Paul Speaker, PhD  
WVU Business School—Business Metrics in Labs

Director Alan Hanson  
Principal Deputy Assistant Attorney General  
U.S. Department of Justice

## Converting to the 2017 Version of ISO 17025

The awaited switch to the new 2017 edition of ISO/IEC 17025 has finally happened, but are you ready for it? We will present strategies and priorities for bringing your laboratory into compliance.

[Register for 2018 ASCLD Symposium](#)



### ASCLD Bring Your Own Slides Sign-up

Date: Wednesday, May 23, 2018

Time: 6:30 pm to 8:00 pm (TENTATIVE – session length may be adjusted)

Location: Atlanta Marriott Marquis Hotel (Room TBD)

#### **Bring Your Own Slides at ASCLD 2018**

NEW to the ASCLD symposium in 2018 is an opportunity for crime laboratory leaders to Bring Your Own Slides and participate in an informal, evening discussion on shared challenges and solutions in our laboratories.

The Bring Your Own Slides session will be held on Wednesday evening, May 23. If you would like to share a problem or a novel solution to a problem that you have encountered in your laboratory, please sign up to provide a brief (approximately 5 minutes) overview. Time will then be allotted for questions and discussion on the topic so that all attendees may benefit from each other's shared expertise.

Bring Your Own Slides topics should be:

- **Brief** – describe the problem or solution in approximately 5 minutes to allow time for questions and/or discussion
- **Unique** – describe a new/relevant problem or a novel solution to an old problem
- **Relevant** – topics should apply to managers within a crime laboratory

*Space is limited to approximately 10-15 topics/presentations. Presentations will be accepted on a first-come first-serve basis.*

If you would like to sign up, please submit the form found [HERE](#) to Jeremy Triplett at [Jeremy.triplett@ascl.org](mailto:Jeremy.triplett@ascl.org).

## Symposium Highlights

### Laboratory Performance Metrics

In addition to several presentations that will cover the important topic of improving how laboratories monitor and measure their performance, we will have representatives also presenting from Business schools who will share strategies and tips for improving your laboratory's overall approach to business.

### Social Events

For our more adventurous symposium attendees, we've arranged some fun and interesting leisure outings. These include a golf tournament and a visit to the Atlanta Aquarium where we will enjoy a catered dinner, networking opportunities, a scavenger hunt, a backstage tour of the large tank, and some important talks by emerging DNA technology companies.

### Workshops

As is customary before the start of our symposium, the learning begins on Sunday and Monday during our workshop sessions:

- A2LA—preconference free webinars on preparing to transition to 17025:2017
- ANAB—conference workshop on transitioning to 17025:2017
- DVI workshop in conjunction with DOJ/NIJ/DHS
- Working with the Media and Crisis Communication
- Arbinger Institute—outward mindset workshop
- Getting into project FORESIGHT
- Quality Management topics (validation, root cause analysis, expert testimony)
- Management topics (working with government officials, SWOT, improving morale, using metrics)

Greetings ASCLD Members,

The ASCLD Board of Directors and Symposium Planning Committee would like to invite you to nominate one of your fellow members as the 'ASCLD Member of the Year'. Members who have embodied the ASCLD Mission, have participated substantively in ASCLD activities, or have contributed to an ASCLD project or committee are ideal candidates for this award. Please consider taking time to nominate one of the many members we have who have made it possible for ASCLD to make a difference in our industry. We invite you all to nominate a fellow member by completing the attached nomination form.

***Nominations (attached) are due May 11, 2018 and the recipient will be announced during the ASCLD Awards Banquet at the 2018 ASCLD annual symposium in Atlanta, Georgia.***

[Nomination Form](#)

## 2018 Board of Directors Candidates and Proposed Bylaws

Arlene Hall - Illinois State Police



Brian Hargett - Georgia Bureau of Investigations



Bruce Hoolihan - Orange County Crime Laboratory



Jennifer McNair - Utah Bureau of Forensic Sciences

Scott O'Neill - New York Police Department



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**Candidates and Proposed Bylaws**

Board candidates:

Arlene Hall: <https://www.ascd.org/wp-content/uploads/2018/04/Arlene-Hall-Candidate-Profile.pdf>

Brian Hargett: <https://www.ascd.org/wp-content/uploads/2018/04/Brian-Hargett-Candidate-Profile.pdf>

Bruce Houlihan: <https://www.ascd.org/wp-content/uploads/2018/04/Bruce-Houlihan-Candidate-Profile.pdf>

Jennifer McNair: <https://www.ascd.org/wp-content/uploads/2018/04/Jennifer-McNair-Candidate-Profile.pdf>

Scott O'Neill: <https://www.ascd.org/wp-content/uploads/2018/04/Scott-ONeill-Candidate-Profile.pdf>

Bylaws:

Bylaws change proposal: <https://www.ascd.org/wp-content/uploads/2018/04/2018-Membership-and-Board-Bylaws-Revision-Proposal.pdf>

Gender Neutrality: [https://www.ascd.org/wp-content/uploads/2018/04/ASCLD-Bylaws-2018\\_genderneutral.pdf](https://www.ascd.org/wp-content/uploads/2018/04/ASCLD-Bylaws-2018_genderneutral.pdf)

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Click below to hear the latest ASCLD Educational Series - 2018 Grant Considerations

<https://www.ascd.org/nij-coverdell-webinar/>

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**Opioid Resource Center**

<https://www.asclد.org/opioid-resources/>



**Drug Enforcement Administration**  
Diversion Control Division

# NFLIS

National Forensic Laboratory Information System

Title	Report Type	View Report	File Size
NFLIS-Drug 2017 Midyear Report	Midyear Reports	<a href="#">11674r1NFLISMidyear2017.pdf</a>	3884
NFLIS Brief: Fentanyl and Fentanyl-Related Substances Reported in NFLIS, 2015–2016 (Rev: March 2018)	Special Reports	<a href="#">11350_R2_NFLIS_Research_Brief_Fentanyl.pdf</a>	1497



BJA funded the CSG Justice Center to produce 50 state-specific workbooks that contain more than 60 data visualizations showing historical trends and data comparisons related to crime, arrests, recidivism, and correctional populations. Top officials from every state contributed to the research effort that culminated in these workbooks, which were developed to provide a framework for discussions that took place at the 50-State Summit on Public Safety held in November 2017 in Washington, DC. These workbooks compliment a larger 50-State Report that will be released in the coming months.

See the state workbooks [here!](https://50statespublicsafety.us/)  
<https://50statespublicsafety.us/>



We were honored to have the U.S. Ambassador, the President of the [Costa Rican Supreme Court](#) and the [Director of the Costa Rican Organization of Judicial Investigations](#) open the conference.

<http://fordhamlawreview.org/online/>

- [http://fordhamlawreview.org/res\\_gestae/scientific-excellence-in-the-forensic-science-community/](http://fordhamlawreview.org/res_gestae/scientific-excellence-in-the-forensic-science-community/)
- [http://fordhamlawreview.org/res\\_gestae/scientific-validity-and-error-rates-a-short-response-to-the-pcast-report/](http://fordhamlawreview.org/res_gestae/scientific-validity-and-error-rates-a-short-response-to-the-pcast-report/)
- [http://fordhamlawreview.org/res\\_gestae/the-reliability-of-the-adversarial-system-to-assess-the-scientific-validity-of-forensic-evidence/](http://fordhamlawreview.org/res_gestae/the-reliability-of-the-adversarial-system-to-assess-the-scientific-validity-of-forensic-evidence/)

## Project FORESIGHT

ASCLD has arranged for a special workshop at the ASCLD symposium this year. We have been working with West Virginia University on Project FORESIGHT for quite some time. ASCLD further has been working on getting the LIMS vendors for more automated reporting of Project Foresight metrics. We want more labs to get involved in this project and we hope to show you how to start gathering this data and reporting it.

### FORESIGHT and FORESIGHT 2020: A Formula for Success

How is your lab performing? Do you know--*really know*? What's your internal progress compared to last year or the year before or the last 5 years? Have you added or changed new processes? Has management or your administration changed and do you need to make arguments for better resources? Where does your lab stand compared to other labs of its size or caseload?

FORESIGHT was created in 2008 as a business benchmarking process for forensic laboratories to analyze, evaluate, and share their performance. Since then, it has been used by hundreds of laboratories around the world to improve effectiveness and efficiency of laboratory services to stakeholders. But many managers are unsure what might be required to participate, how to collect, submit, and (agonizingly) analyze the data they need to be part of FORESIGHT? This workshop will walk you through the process of FORESIGHT from start to finish, giving you the tools you need to fill out the Laboratory Reporting and Analysis Tool (LabRAT) and what the FORESIGHT 2020 project means for you. Using FORESIGHT has gotten easier as well and even basic input can yield useful operational information--you don't necessarily need every scrap of data you might think you need. With FORESIGHT 2020, a software project that links LIMS to FORESIGHT, it is now easier than ever to improve a laboratory's function, gain insights to process improvements, and make arguments for resources that persuade decision makers.

This workshop will provide an overview of benchmarking and process improvement, FORESIGHT as a method for laboratory analysis and evaluation, and the uses of FORESIGHT 2020 to provide immediate and clear feedback about laboratory performance. Participants will gain a better understanding of how industries self-analyze, what the forensic enterprise has done to create a culture of improvement through benchmarking, and how FORESIGHT provides superior feedback in context for laboratories to achieve greater efficiencies. No experience with FORESIGHT is necessary--new users, experienced users, and "tire-kickers" are all welcome.

Learn how to use "big data" to your advantage, make the case for the resources you need, and deliver better services with greater efficiency using FORESIGHT. Join us for this workshop!

### **The FORESIGHT 2020 project needs volunteer labs using STaCS**

Does your laboratory use STaCS software? Would you be willing to get great business process data from your system to compare to other labs? The FORESIGHT 2020 project needs volunteer labs using STaCS to have the FORESIGHT 2020 module installed and validated.

The project is funded by the Laura and John Arnold Foundation, so there is no cost to your lab.

If you're interested, contact Max Houck at [mmhouck@forensicintelligence.net](mailto:mmhouck@forensicintelligence.net) or at [727-346-8285](tel:727-346-8285).

## **Forensic Science in the News**

### [How DNA became a silver bullet for serial killer mysteries](#)

Last week, the suspect in the Golden State Killer case joined the dark club of serial killers from that era who have been arrested with the help of sophisticated DNA technology.

### [Genealogy Site Led to Suspected Killer](#)

The clue that led investigators this past week to the door of the suspected Golden State Killer came instead from an unexpected source: an amateur genealogy website that's something like the Wikipedia of DNA.

### [Genetic privacy and the case of the Golden State Killer—diving into the science](#)

The companies say they will not provide DNA information unless compelled to by court order – but consumers can post it. And it's now possible to identify someone by comparing the short DNA repeats tracked in forensic genotyping to the genome-wide SNP (single nucleotide polymorphism) markers that form the basis of many health and trait tests, with mathematical correlations that arise from matching flanking DNA sequences.

### [Can DNA Identify the Zodiac Killer Now That It Has Revealed Suspected Golden State Killer?](#)

Tom Voight, a recreational Zodiac expert who runs the website [zodiackiller.com](http://zodiackiller.com), said he believes a clean DNA sample could be taken from saliva that might be on envelopes mailed by the Zodiac. The serial killer was a prolific communicator, sending letters, cards and mysterious cyphers to media, law enforcement and others, including former Sacramento Bee reporter Paul Avery while he worked at the San Francisco Chronicle.

### [Forensic scientist deemed negligent as dozens of criminal cases may be reviewed](#)

Guale and the HCIFS Crime lab have parted ways. Its director Roger Kahn, Ph.D, issued a statement to KPRC saying in part, "We honor our reputation and the integrity. Dr. Guale's credentials did not measure up to our expectations."

### [Postmortem interval: Forensic proteomic pointers](#)

The timescale can be very long: some proteoglycans have even been isolated from archaeological specimens. The bone proteome does become less complex over geological time but in the relative shorter term of a few years or decades, proteins might still be a solution to the PMI problem.

### [Will Science Solve Mystery Of World's Likely Largest Ritualistic Killing Of Children?](#)

Huancaquito-Las Llamas is the official name for the coastal site. Remains were first found in 2011 when local residents noticed them due to sediment erosion, with completion of the excavation occurring in 2016. Radiocarbon dating was used on funerary objects to isolate the timeline from 1400 to 1450 A.D. Red cinnabar-based pigment was smeared across many of the children's faces before their chests were sliced open presumably to remove their hearts.

### [Netflix crime forensics are best served with a dollop of artistic license](#)

My professional opinion is that telly forensics is best served with a dollop of artistic licence. I love my job but Scandi-slow TV it would not make. It would be intensely boring if we had to sit for hours on the sofa waiting for a DNA result to come back from the lab, or found that when it did the result wasn't worth waiting for. Why show the size of a real-life crime scene team when Nikki Alexander in Silent Witness can do it all.

### [AG wants familial DNA suit tossed](#)

The AG's office, in an April 25 filing, says the claim that the two could be targeted because of their family members' actions is too hypothetical to warrant them standing in the case because "no less than five intervening steps must occur" before they could be contacted by law enforcement, "any of which may never come to pass."

### [Police: Shoplifter fingered by Play-Doh](#)

Leicester police said a man tried to steal electronics in December by using Play-Doh to muffle the speakers on "spider wrap" anti-theft devices. The attempt failed, and he fled the store. But the Play-Doh picked up his fingerprints. And police said the Connecticut Forensics Laboratory helped find a match.

### [Free Online Toolkit Can Help Address Rape Kit Backlog](#)

A free, government-funded sharing platform has been created to help law enforcement, prosecutors, victim advocates and criminal justice professionals work together to reduce rape kit backlog and close out cases.

### [Audit: Oregon crime lab shakeup over rape kit testing reduces backlog](#)

Two years after passing a law requiring Oregon crime labs to process the state's growing rape-kit backlog, a Secretary of State audit found Oregon State Police's crime lab is making a significant dent — with 1,100 kits in the backlog compared to 4,900 kits in 2015.

### [Police top brass seek funding to cover new crime lab](#)

The building would house the Police Department's Forensic Sciences Division, which includes the crime lab and crime scene investigation, the traffic company and motorcycle parking

[NYC's DNA crime lab can analyze anything we touch](#)

Samples can come from clothing or objects connected with the crime. All evidence collection follows strict legal protocols.

[With SLED lab backed up, Charleston police hope to do own DNA testing](#)

The Charleston Police Department is on track to get its own full-service forensic laboratory, an addition law enforcement officials said would ease the burden on a state crime lab that is perpetually inundated with jobs from across South Carolina.

[Putnam County murder mystery: Why the sheriff won't ask the GBI for help](#)

"I've had repeated cases early in my career where political involvement – there was a litmus test in the way that they did things that I just don't care to be around," Sills said of the GBI. "I have been involved in investigations where they have literally told people to destroy evidence." Sills declined to describe those incidents on the record.

[Golden State Killer case: Why is California fighting over collecting criminals' DNA?](#)

"It's been a struggle to bring DNA in California to the forefront" as a forensic crime-scene investigation tool, Bruce Harrington said at last week's news conference announcing the arrest of Joseph James DeAngelo, who allegedly killed Harrington's brother Keith and sister-in-law in 1980.

[EBRSO: 18-year-old evidence from attempted kidnapping leads to arrest in 1987 rape case](#)

The LSP Crime Lab recently reprocessed the evidence collected from the 2000 case with newer, more advanced technology, resulting in a positive match between the DNA samples taken from the 1987 and 2000 crimes. Detectives were able to locate Parker at the Raymond Laborde Correctional Center in Cottonport, where he was serving a 22-year sentence for several robberies.

[Rape kit backlog blamed in second assault in Tumwater](#)

A sexual assault kit containing critical DNA evidence was taken immediately after the crime, but Tumwater police say they didn't receive the results until January 23, 2018, around six months later, finally allowing them to arrest the suspect on January 25.

However, DNA evidence links that same suspect to another Tumwater sexual assault that occurred on January 22, the day before the first case's DNA results were relayed to police.

[UPD has 4 untested rape kits in evidence](#)

The state of Wisconsin created a mandate back in 2011 stating when there's "evidence upon which deoxyribonucleic acid analysis can be performed, and the person who committed the alleged or suspected sexual assault has not been identified," law enforcement agencies should follow state procedures and should submit the evidence it collects to a crime laboratory.

[FBI Opening New Digital Forensics Labs in Alabama, Boston](#)

The two additional facilities bring the total number of labs in the program up to 17, from the single pilot project laboratory in San Diego initiated in 1999.

[Alleged Facebook use sends hate crime defendant back to jail](#)

"It doesn't make sense that she would give up an object that could send her to the penitentiary," Hooks said. "This is not going to be a slippery slope situation. When I said no social media, I meant no social media."

[Creepy or Cool? Portraits Derived From the DNA in Hair and Gum Found in Public Places](#)

It started with hair. Donning a pair of rubber gloves, Heather Dewey-Hagborg collected hairs from a public bathroom at Penn Station and placed them in plastic baggies for safe keeping. Then, her search expanded to include other types of forensic evidence. As the artist traverses her usual routes through New York City from her home in Brooklyn, down sidewalks onto city buses and subway cars—even into art museums—she gathers fingernails, cigarette butts and wads of discarded chewing gum.



**Forensic Science Laboratory**  
Postal: PO Box 1250, Bentley DC WA 6983  
Location: Corner Manning Road and Townsing Drive, Bentley WA 6102  
T +61 8 9422 9819 F +61 8 9422 9831 jcoumbaros@chemcentre.wa.gov.au

**FORENSIC SCIENCE RESEARCH DIGEST**  
Issue 11/12, December 2017/January 2018

**News for Upcoming Symposium**

### FORESIGHT Annual meeting at ASCLD Symposium

Please join us for our annual project FORESIGHT meeting at the 2018 ASCLD Symposium. Current participants, potential participants, and the curious are all welcome. We will meet from 5:00 pm – 7:00 pm on Sunday May 20 in room M105.

#### Tentative Agenda

1. Project updates
2. FORESIGHT 20/20 implementation
3. OPA overview & update
4. Coordination with NIST and CDC
5. Topics from the audience

### Call for Nominations

ASCLD is excited to announce the addition of new awards to be debuted at the symposium this year. There are so many wonderful initiatives ASCLD and its members are involved in that we are pleased to be able to recognize more of them. Awards include:

- ASCLD Member of the Year – ASCLD member who has made significant contributions to the organization in the past year. (Nomination form will be distributed to membership in advance of the symposium.)
- FORESIGHT – Most innovative success story epitomizing the tenets of FORESIGHT.
- Symposium Presentations by a member – The best presentation as voted by the audience.
- Symposium Attendee with longest membership.
- Best Capstone presentation from the Leadership Academy – voted upon by Leadership Academy participants and instructors.
- FTCoE / NIJ / ASCLD Webinar of the Year – Attendance and audience feedback will be key indicators for selection of this award.
- Briggs White - Exceptional competence and achievement in any area of public administration, leadership shown in the direction or development of programs, creativity and resourcefulness, adherence to the basic principles of enlightened public service, integrity and dedication to duty. (<https://www.asclcd.org/nominations/>)

In addition to the existing and new awards, ASCLD will be recognizing members in other new areas. Please be sure to join us for this year's Awards Banquet in Atlanta!

## 45th Annual ASCLD Symposium

Advancing Forensic Science requires leadership, which includes taking initiative, motivating employees, and applying resources creatively to the complex problems presented by today's forensic casework and issues. Leaders lead by example and encouragement, building on success and learning from their past experiences and that of others.

Please join us in Atlanta, Georgia, May 20-24th for the 2018 ASCLD Symposium where you will learn about exciting initiatives to advance forensic science. New and experienced managers and directors will be presented with innovative tools to sharpen their leadership skills. Presentations from experts and leaders, both inside and outside the forensic science community, will cover various aspects of leadership. Our goal is to invigorate you with techniques and information to increase your leadership capacity in both life and occupation.

Make your Reservation - <https://aws.passkey.com/event/49236454/owner/321/home>

<http://www.marriott.com/hotels/travel/atlmq-atlanta-marriott-marquis/>

<https://www.ascldsymposium.com/education>

Before the show, get caught up on the latest news: <http://www.evidencemagazine.com/>

## Thank you to our 2018 Symposium Sponsors and Exhibitors!

★ Repeat Sponsor!

### Gold Sponsors



### Silver Sponsors



### Bronze Sponsors



RTI International in partnership with the Forensic Technology Center of Excellence, a program of the National Institute of Justice, Department of Justice, produces a podcast called "Just Science". The Just Science podcast is designed to reach a broad audience of forensic scientists and other professionals who collaborate with the forensic science community. As part of the podcast series, the FTCoE would like to interview any ASCLD members who would like to share interesting or unusual criminal cases, now closed or adjudicated, where forensic science was critical to the outcome of the case.

Our goal is to provide the audience with a positive view of the importance of forensic science in criminal investigations. The timing of the cases is not important, although preference will be given to cases involving some personal experience and that can be subject of an in-depth conversation. The audio-only recording usually takes 40 to 60 minutes, depending on the content, and all disciplines are welcome. We would like to do the recordings during the ASCLD annual symposium in Atlanta, Georgia. The available dates are Tuesday May 22 & Wednesday May 23, 2018 and we can accommodate your schedule.

Please visit <https://forensiccoe.org/ascldpodcast/> to submit your bio, headshot, consent, and a short overview of the case and methods used. This is a great way to disseminate your, or your crime laboratory's work to a wide audience, hopefully sparking conversations, new ideas, and inspiring others within the field to approach cases in alternative ways.

## JOB OPPORTUNITIES (Hiring now)

Due to an recent upgrade with the newsletter software, visit <http://www.asclcd.org/jobs2> to link and view details about job announcements listed below.

- [Sheriff's Supervising Forensic Scientist \(Controlled Substances/Forensic Alcohol\)](#), Ventura County Sheriff's Office, Ventura, CA, Expires: July 3, 2018
- [Forensic Examiner – DNA 2](#), ORAU, Ft. Gillem GA and OCONUS, Expires: August 4, 2018
- [Forensic Examiner – DNA 1](#), ORAU, Ft. Gillem GA and OCONUS, Expires: August 4, 2018
- [Forensic Examiner – Latent Print 1](#), ORAU, Ft. Gillem GA and OCONUS, Expires: August 4, 2018
- [Forensic Examiner – Latent Print 2](#), ORAU, Ft. Gillem GA and OCONUS, Expires: August 4, 2018
- [Forensic Scientist 1, Chemistry Analyst](#), New Mexico DPS Forensic Laboratory Bureau, Hobbs, NM, Expires: August 3, 2018
- [Administrative Operations Manager -Forensics](#), New Mexico DPS Forensic Laboratory Bureau, Santa Fe, NM, Expires: August 3, 2018
- [Forensic Services Manager](#), Baltimore County Government, Towson, MD, Expires: December 31, 2018
- [Chief Medical Examiner](#), The University of Tennessee Health Science Center, Memphis, TN, Expires: July 31, 2018
- [Forensic Pathologist](#), The University of Tennessee Health Science Center, Memphis, TN, Expires: July 31, 2018
- [Chief Medical Examiner](#), MS, Memphis, Expires: July 31, 2018
- [Forensic Scientist – Controlled Substances](#), Virginia Dept. of Forensic Science, Roanoke, VA, Expires: May 15, 2018
- [Forensic Analyst – Biology](#), Houston Forensic Science Center, Houston, TX, Expires: June 15, 2018
- [Supervising Criminalist](#), San Diego Police Department, San Diego, CA, Expires: May 11, 2018
- [Forensic Scientist 1, Chemistry Analyst](#), New Mexico Department of Public Safety, Forensic laboratory Bureau, Santa Fe, New Mexico, Expires: July 19, 2018
- [Forensic Biology – Training Coordinator](#), Houston Forensic Science Center, Houston, TX, Expires: May 31, 2018
- [Supervisor – Forensic Biology](#), Houston Forensic Science Center, Houston, TX, Expires: May 31, 2018
- [Forensic Pathologist](#), MS, Memphis, Expires: July 31, 2018
- [Medicolegal Death Investigator](#), The University of Tennessee Health Science Center, Memphis, Expires: July 31, 2018
- [State Dept Antiterrorism Assistance Program Worldwide Investigator / Examiner / Trainer](#), PAE, Washington, D.C., Expires: July 10, 2018
- [Forensic Account Manager or Forensic Account Representative](#), Sorenson Forensics, Salt Lake City, Utah, Expires: June 1, 2018
- [Assistant/Associate Professor of Forensic Science](#), University of New Haven, West Haven, CT, Expires: May 22, 2019
- [Director Office of Forensic Services](#), NYS Division of Criminal Justice Services, Albany, NY, Expires: May 15, 2018
- [Assistant CODIS Administrator](#), Houston Forensic Science Center, Houston, TX, Expires: June 28, 2018
- [Accreditation Manager](#), ANSI-ASQ National Accreditation Board, Cary, NC, Expires: June 26, 2018
- [Crime Scene Supervisor](#), Houston Forensic Science Center, Houston, TX, Expires: June 15, 2018
- [ICITAP Worldwide Forensics Advisor 15 -Washington DC](#), Engility Corp, Washington DC, Expires: May 26, 2018
- [Forensic Chemist](#), Rapid City Police Department, Rapid City, SD, Expires: May 18, 2018
- [Associate Medical Examiner](#), Arkansas State Crime Laboratory, Little Rock, Arkansas, Expires: May 31, 2018
- [Latent Print Examiner](#), InCadence Strategic Solutions, Forest Park, GA, Expires: May 31, 2018
- [Forensic Scientist I-Firearms/Toolmarks/Ballistics](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist II-Firearms/Toolmarks/Ballistics](#), Nassau County Medical Examiner Division of Forensic Services, East

Meadow, NY, Expires: July 31, 2018

- [Forensic Scientist III-Firearms/Toolmarks/Ballistics](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist IV-Firearms/Toolmarks/Ballistics](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist I-Trace Evidence](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist I-Trace Evidence](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
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- [Forensic Scientist III-Trace Evidence](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist IV-Trace Evidence](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist Trainee-Chemistry/Controlled Substances](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist Trainee-Firearms/Toolmarks/Ballistics](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist Trainee-Latent Prints](#), Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: July 31, 2018
- [Forensic Scientist Trainee-Trace Evidence](#), Nassau County Medical Examiner, East Meadow, NY, Expires: July 31, 2018

### **The Need for Safety Officers and a Health and Safety Committee**

The elements of a Chemical Hygiene Plan (CHP) have been the subject over the last few weeks. Previous topics have been 1) the need for SOPs (Standard Operating Procedures), 2) Criteria for Implementing Control Measures, 3) requirement to ensure that fume hoods and other protective equipment are functioning properly and identify the specific measures the employer will take to ensure proper and adequate performance of such equipment, and 4) Required Information to be provided to lab personnel working with hazardous substances. This week's topics are 5) the circumstances under which a particular laboratory operation, procedure or activity requires prior approval from the employer or the employer's designee before being implemented, and 6) Designation of personnel responsible for implementing the CHP, including the assignment of a Chemical Hygiene Officer and, if appropriate, establishment of a Chemical Hygiene Committee.

5) The circumstances under which a particular laboratory operation, procedure or activity requires prior approval from the employer or the employer's designee before being implemented. Prior to any new work being conducted in a lab that uses a hazardous chemical, prior approval must be acknowledged. Prior approval would normally come from the Chemical Hygiene Officer (CHO) or Safety Officer in your lab. Many procedures use chemicals that require special considerations. Additionally, some labs may not have the proper storage or work area for its use. Also, the chemical must be added to the chemical inventory, all personnel who will work with or come in contact to the chemical must read the Safety Data Sheet (SDS). Having a plan where an employee has read the SDS and understands the hazards by signing a review sheet or some other acknowledgement is a good way to improve compliance. Additionally, ordering and purchasing hazardous chemicals should go through one person or a team so that proper storage locations, policies, and procedures can be appropriate for chemicals ordered.

6) Designation of personnel responsible for implementing the CHP, including the assignment of a Chemical Hygiene Officer (CHO) and, if appropriate, establishment of a Chemical Hygiene Committee. Designating a person, such as a CHO or Safety Officer for day-to-day administration of chemical issues is paramount and crucial for accreditation. A CHO will provide reports at the department Safety Committee meetings on chemical hygiene activities performed. Additionally, a CHO will work with others to develop, review and approve Standard Operating Procedures which detail all aspects of proposed laboratory activities that involve hazardous materials. A Chemical Hygiene Committee, commonly known as a Safety Committee (or Health and Safety) in forensic labs is also a requirement for accreditation. Health and Safety committee members should establish a committee structure and process and develops an action plan for the year that identifies a few priority health and safety issues to work on. The concerns would be addressed at safety committee meetings and the executive management meeting(s).

Jane B. Northup  
Quality Assurance Officer  
RI State Crime Laboratory  
Certified Chemical Hygiene Officer

OSHA 29 CFR 1910.1450

<https://www.gpo.gov/fdsys/granule/CFR-2011-title29-vol6/CFR-2011-title29-vol6-sec1910-1450/content-detail.html>

The National Registry of Certified Chemists  
<http://nrcc6.org/>

OSHA Occupational Safety and Health Training  
[https://www.osha.gov/dep/facosh/osha\\_training\\_guidelines2014.pdf](https://www.osha.gov/dep/facosh/osha_training_guidelines2014.pdf)

OSHA Fact Sheet:  
<https://www.osha.gov/Publications/laboratory/OSHAfactsheet-laboratory-safety-chemical-hygiene-plan.pdf>

CHP Template: [http://www.dsps.wi.gov/Documents/Industry%20Services/Forms/Public%20Sector%20Employee/Template-Chemical\\_Hygiene\\_Plan.pdf](http://www.dsps.wi.gov/Documents/Industry%20Services/Forms/Public%20Sector%20Employee/Template-Chemical_Hygiene_Plan.pdf)

Examples of CHPs:  
University of California, Santa Barbara: <http://www.ehs.ucsb.edu/labsafety-chp>  
University of Rhode Island: <http://web.uri.edu/ehs/files/ChemicalHygienePlan.pdf>

Crime Lab Safety Plans:  
Raleigh/Wake City County, Bureau of Identification: <https://www.forensimag.com/article/2004/06/osha-and-forensic-laboratory>

# TRAINING OPPORTUNITIES



## **Recorded Training:**

### **Episode 9 Podcast!!** Just Blood Spatter

In episode nine of Just Science, funded by the National Institute of Justice's Forensic Technology Center of Excellence [Award 2016-MU-BX-K110], we spoke with Dr. Marc Smith, from the Georgia Institute of Technology. Dr. Smith's NIJ funded research in blood spatter has connected computational fluid dynamics with empirical studies to improve the understanding of blood spatter onto solid, slanted surfaces. His work looks at many variables, including droplet size, speed, surface roughness and wettability. [Listen and Subscribe HERE.](#)

Subscribe to the channel at:

- [Google Play](#)
- [iTunes](#)
- [Stitcher](#)
- [Soundcloud](#)

### **ASCLD/RTI Backlog Series**

Archival versions of the ASCLD/RTI Backlog Series can be found at the following links:

- [The Paradox of Backlog Reduction – How Doing Less Can Be Doing More](#)
- [Taking the First Steps Toward Backlog Reduction](#)
- [Managing Customer Expectations and Education](#)
- [How to Increase your Staff without Increasing Budget](#)
- [Efficiency Improvements](#)
- [Developing a Statewide Approach to Backlog Management](#)
- [Case Acceptance Policies and Guidelines](#)

### **ASCLD/RTI Rapid DNA Series**

Archival versions of the ASCLD/RTI Rapid DNA Series can be found at the following links:

- [Rapid DNA: The QAS and NDIS](#)
- [Rapid DNA: Arizona DPS and Richland County, SC](#)
- [Rapid DNA: Booking Stations and CODIS](#)

### **ASCLD /RTI DNA Standards and Guidelines Webinar Series**

SWGAM Interpretational Guidelines

<https://forensiccoe.org/webinar/ascl-d-webinar-dna-standards-and-guidelines/>

Proposed Quality Assurance Standards (QAS) changes

<https://forensiccoe.org/webinar/ascl-d-webinar-series-dna-standards-and-guidelines-webinar-part-2/>



## Forensic Training in 2018!

### Quick Links to ANAB

#### [Forensic ISO/IEC Internal Auditor Training](#)

May 8-11, 2018, Cary, NC

#### [Forensic ISO/IEC Assessor Training \(Testing\)](#)

May 7-11, 2018, Chandler, AZ

June 11-15, 2018, Milwaukee, WI

August 20-24, 2018, Denver, CO

#### [Forensic ISO/IEC 17025 Preparation for Testing Laboratories \(Classroom\)](#)

May 7-9, 2018, Chandler, AZ

June 11-13, 2018, Milwaukee, WI

August 20-22, 2018, Denver, CO

\*Web-based courses also available

#### [ISO/IEC 17020 and Audit Preparation for Forensic Agencies](#)

May 31-June 1, 2018, Houston, TX

October 8-9, 2018, San Antonio, TX

Let me know if you have any questions.

For more information about these workshops, contact [training@anab.org](mailto:training@anab.org) or 414-501-5466 for more information. For registration, click the links for each training course above.

## 2018 National Institute of Justice Forensic Science Symposium

### **N-Ethyl Hexylone**

The Organized Crime Drug Enforcement Task Force (OCDETF) at the Department of Justice through a partnership with the Centers for Disease Control (CDC) is working with NMS Labs to identify newly emergent Novel Psychoactive Substances (NPS) found in seized drug samples entering the United States. You have been identified as a stakeholder in the process of notifying US public health and public safety agencies, and other international entities of the appearance of these novel substances, to allow for appropriate public health policy development and public safety actions through enforcement and interdiction.

Although the priority for this project is to identify emergent opioids and fentanyl derivatives and precursors, other drug classes including benzodiazepines, stimulants (cathinones and amphetamine derivatives), hallucinogens and cannabinoids have also been identified. The purpose of this email is to announce the identification of:

### **N-Ethyl Hexylone**

N-Ethyl Hexylone is classified as a novel stimulant and substituted cathinone. Substituted cathinones are modified based on the structure of cathinone, an alkaloid found in the Khat plant. Novel stimulants have been reported to cause stimulant-like effects, similar to amphetamines. Novel stimulants have also caused adverse events, including deaths, as described in the literature. Structurally similar compounds include *N*-ethyl pentylone, pentylone, methylone, ethylone and butylone. Pentylone, methylone, and butylone are all Schedule I substances in the United States, while *N*-ethyl pentylone is not currently scheduled in the United States.

Details are contained in the attached document. Through this service we are reporting only novel compounds not previously reported in the NFLIS reports, or for which SWGDRUG has not yet issued a monograph. If reference standards are commercially available, they are indicated in the report. If not, identifications are based made on EI-GCMS, LCHRMS (QTOF), and NMR testing.

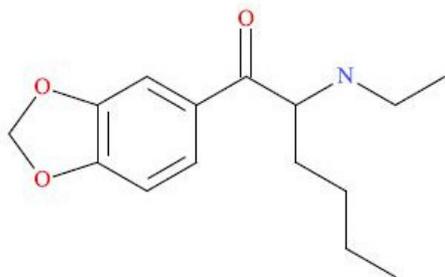
If you have questions about the substance(s) involved, or do not wish to receive future notifications please contact me directly at [barry.logan@nmslabs.com](mailto:barry.logan@nmslabs.com)

A archive of novel psychoactive substances and their precursors identified through this program is posted at:  
<https://www.forensicscienceeducation.org/resources/nps-discovery/>

For more information about this program, please contact the program sponsor, AUSA MJ Menendez, at OCDEF  
([MJ.Menendez@usdoj.gov](mailto:MJ.Menendez@usdoj.gov))

Fentanyl Analogue

## N-ethyl Hexylone



Latest Revision: April 19, 2018

Date Received: February 12, 2018

Date of Report: April 19, 2018

### 1. GENERAL INFORMATION

<b>IUPAC Name:</b>	1-(1,3-benzodioxol-5-yl)-2-(ethylamino)hexan-1-one
<b>InChI String:</b>	InChI=1S/C15H21NO3/c1-3-5-6-12(16-4-2)15(17)11-7-8-13-14(9-11)19-10-18-13/h7-9,12,16H,3-6,10H2,1-2H3
<b>CFR:</b>	Not Scheduled (04/2018)
<b>CAS#</b>	Not Available
<b>Synonyms:</b>	Not Available
<b>Source:</b>	Department of Homeland Security

## New Narcotics Protection Kit as You Face the Dangerous Opioid Epidemic

We designed this single-use kit following DEA & CDC guidelines

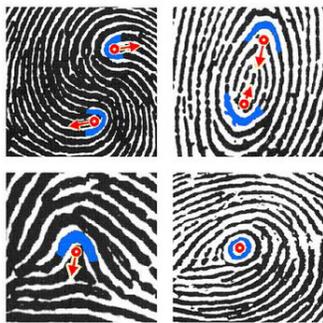
Small amounts of Fentanyl can cause an overdose, a significant threat to you & your department. We designed this kit to help you stay safe.

[Buy Now](#)



<http://www.sirchie.com/nark-ppe-kit-available-in-med-large-x-large-2xl.html#.WaNzc-mQxPb>

## OSAC Catalog of External Standards and Guidelines



The OSAC Catalog of External Standards and Guidelines is a collection of standards, guidelines and other documents applicable to forensic science. None of the documents in the catalog have been developed or approved by OSAC (the Organization of Scientific Area Committees). The catalog was compiled by NIST staff in early 2015 for OSAC members to assess existing standards, guidelines and best practices that are already publicly available.

The catalog was updated in April of 2017. The catalog is available to download as a [sortable Excel spreadsheet](#) (link opens an Excel .xlsx file). It contains the titles and source information for more than 700 standards, guidelines and related documents. The catalog also lists web addresses for documents that are available online.

[The Organization of Scientific Area Committees for Forensic Science \(OSAC\) has launched a monthly newsletter to communicate OSAC program status, activities, accomplishments, and opportunities for public input with internal and external audiences. Newsletter columns will include OSAC Accomplishments, OSAC Vacancies, Upcoming Meetings, Upcoming Public Comment Periods for Standards/Guidelines under Consideration for the OSAC Registry, OSAC Activities with Standards Development Organizations \(SDOs\), and other critical relevant OSAC and forensic science-related information.](#)

The OSAC Affairs Program Office at NIST welcomes any feedback and contributions related to the OSAC and OSAC Newsletter. Please send feedback and inquiries to [forensics@nist.gov](mailto:forensics@nist.gov) (link sends e-mail).

2018 [February](#) | [May](#) | [August](#) | [November](#)

2017 [January](#) | [February](#) | [March](#) | [April](#) | [May](#) | [June](#) | [July](#) | [August](#) | [September](#) | [November](#)  
(Moved to quarterly publication, effective November 2017)

This Bulletin provides an update on forensic science standards that are moving through the development process at Standards Developing Organizations (SDOs), and those that are moving through the Registry Approval Process at the Organization of Scientific Area Committees for Forensic Science (OSAC)

<https://www.nist.gov/topics/forensic-science/organization-scientific-area-committees-osac>

<https://www.nist.gov/topics/forensic-science/osac-standards-and-guidelines>

## Intent to Add to the OSAC Registry – Items Open for Comment

The intent of the open comment period is to collect opinion on inclusion of the standard to the OSAC Registry (OSAC is not soliciting potential revisions to the documents themselves.) Comments should be specific as to why the document should or should not be on the OSAC Registry.

ASTM E1610-18, Standard Guide for Forensic Paint Analysis and Comparison  
[Read the standard \(link is external\)](#) or [submit a comment \(link is external\)](#) by May 9, 2018, 11:59pm EDT.

ASTM E2937-18, Standard Guide for Using Infrared Spectroscopy in Forensic Paint Examinations  
[Read the standard \(link is external\)](#) or [submit a comment \(link is external\)](#) by May 9, 2018, 11:59pm EDT.

## Standards in Comment Adjudication Phase

The comment period is closed for the following standards as OSAC units review and adjudicate comments received.

[ASTM E2329-17 Standard Practice for Identification of Seized Drugs \(link is external\)](#)

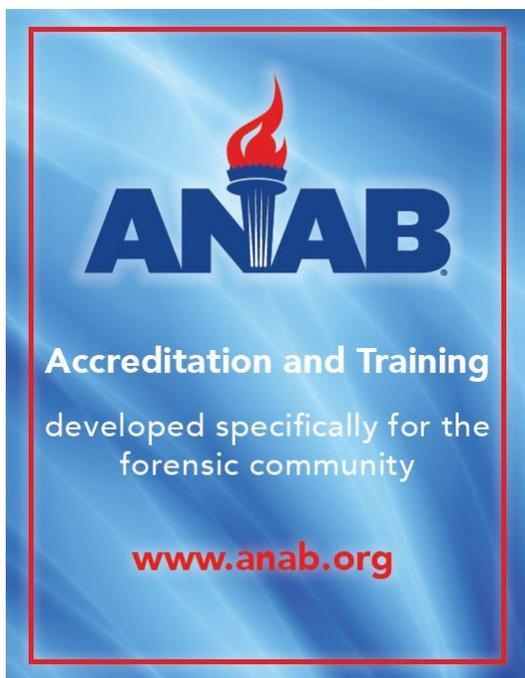
This practice describes minimum criteria for the qualitative analysis (identification) of seized drugs.

Standards at FSSB for Vote

[ASTM E2330-12 Standard Test Method for Determination of Concentrations of Elements in Glass Samples Using Inductively Coupled Plasma Mass Spectrometry \(ICP-MS\) for Forensic Comparisons\\* \(link is external\)](#)

One objective of a forensic glass examination is to compare glass samples to determine if they can be discriminated using their physical, optical or chemical properties (for example, color, refractive index (RI), density, elemental composition). If the samples are distinguishable in any of these observed and measured properties, it may be concluded that they did not originate from the same source of broken glass. If the samples are indistinguishable in all of these observed and measured properties, the possibility that they originated from the same source of glass cannot be eliminated. The use of an elemental analysis method such as inductively coupled plasma mass spectrometry yields high discrimination among sources of glass. This test method covers a procedure for quantitative determination of the concentrations of magnesium (Mg), aluminum (Al), iron (Fe), titanium (Ti), manganese (Mn), rubidium (Rb), strontium (Sr), zirconium (Zr), barium (Ba), lanthanum (La), cerium (Ce), neodymium (Nd), samarium (Sm), and lead (Pb) in glass samples.

\* This document has been sent back to the standards developing organization for the addition of two references. The FSSB will reconsider the vote once the document is republished.



**OSAC Subcommittees**  
<https://www.nist.gov/topics/forensic-science/osac-subcommittees>

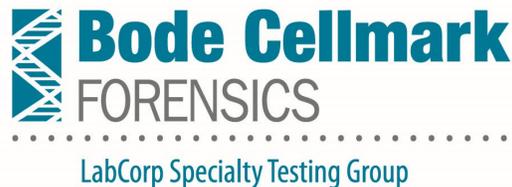
  
**FEDERAL GRANTS**

**NIJ FY18 Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics**

The summary for the NIJ FY18 Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics grant is detailed below. This summary states who is eligible for the grant, how much grant money will be awarded, current and past deadlines, Catalog of Federal Domestic Assistance (CFDA) numbers, and a sampling of similar government grants. Verify the accuracy of the data FederalGrants.com provides by visiting the webpage noted in the *Link to Full Announcement* section or by contacting the appropriate person listed as the *Grant Announcement Contact*. If any section is incomplete, please visit the website for the National Institute of Justice, which is the U.S. government agency offering this grant.

- Start-Up Business Funding
- Federal Grant For Single Moms
- Apply For College Grants
- Grants For Education
- Apply For Free Grants
- Free Money Grants
- Bad Credit Personal Loans

NIJ FY18 Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics: The Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics (GRF-STEM) provides awards to accredited academic institutions to support graduate research leading to doctoral degrees in topic areas that are relevant to ensuring public safety, preventing and controlling crime, and ensuring the fair and impartial administration of criminal justice in the United States.



**Genetics in Forensics Congress**

Oxford Global Conferences: [www.oxfordglobal.co.uk](http://www.oxfordglobal.co.uk)

Oxford Global Training Seminars: [www.oxfordglobaltraining.co.uk](http://www.oxfordglobaltraining.co.uk)



The new year is upon us. Invest in yourself in 2018 by attending one of the upcoming programs hosted by the WVU Center for Executive Education

**Forensic Management Academy**  
September 9 - 14, 2018  
Allegheny County Medical Examiner's Office  
Pittsburgh, PA  
[REGISTER NOW](#)

**Lean Six Sigma Certification for Forensic Science Professionals**  
March 20 - September 11, 2018  
Via online webinar with one face-to-face class held on September 11, 2018 from 9 a.m. – 5 p.m. in Pittsburgh, PA at the Hyatt Regency Pittsburgh International Airport.  
[REGISTER NOW](#)

For more information on the Forensic Management Academy and Lean Six Sigma programs, please visit [business.wvu.edu/execed](http://business.wvu.edu/execed) or email Martina Bison-Huckaby at [Martina.Bison-Huckaby@mail.wvu.edu](mailto:Martina.Bison-Huckaby@mail.wvu.edu).



[Bode Cellmark Forensics](#) provides advanced forensic solutions offering crime labs ways to reduce their workloads and budgets.

Bode's™ newest offerings include: [Sexual Assault Kit Backlog Reduction Program](#) streamlines processes to eliminate backlogs of untested sexual assault kits.

[Bode Buccal 2](#) is uniquely designed to improve DNA databanking collecting and automate processing. The Bode Buccal 2 is a DIRECT COLLECTION SYSTEM that requires minimal training. There is NO Transfer Step Required.

[Independent Validation Services](#) are customized to meet your laboratory's™ needs. Validation services provide completely unbiased analysis on your equipment, chemistries, or process.



Advocacy - <http://thecfso.org/advocacy/>

<https://judiciary.house.gov/hearing/examine-state-forensic-science-united-states/>

Membership:  
For Membership information:  
[matthew.gamette@thecfso.org](mailto:matthew.gamette@thecfso.org)

**CFSO Board of Directors**

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-Ken Martin, MS Vice Chair Representing IAI [kenneth.martin@thecfso.org](mailto:kenneth.martin@thecfso.org)

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OFFICE OF JUSTICE PROGRAMS  
**NIJ** National Institute of Justice  
 STRENGTHEN SCIENCE. ADVANCE JUSTICE.

National Institute of Justice's latest Graduate Research Fellowships in Science, Technology, Engineering, and Mathematics. NIJ has made 20 new awards in 2017 for STEM fellows, totaling \$960,861 for graduate students working towards advancing NIJ's mission. The GRF-STEM program funds dissertation research across a wide range of topics to criminal justice, including the forensic sciences.

See a full list of awards and descriptions, awardees, and dollar amounts. Sign up to get email notices when NIJ releases GRF and other funding solicitations.

**Sexual Assault Cases: Exploring the Importance of Non-DNA Forensic Evidence Investigating and prosecuting sexual assault crimes is much more complicated than simply performing DNA testing.**

**Canadian Forensic Science Journal**

AMERICAN BOARD OF CRIMINALISTICS

Latest Newsletter:  
<http://www.criminalistics.com/abc-newsletter.html>

Forensic Technologies  
 CENTER OF EXCELLENCE  
 A PARTNER OF THE NATIONAL INSTITUTE OF JUSTICE

**LEADERSHIP SERIES**

<https://forensiccoe.org/leadership-series/>

Leadership series instructors and modules available.

**Jody Wolf**

### Grant Assistance for DNA

Federal Grant Assistance for Rapid DNA	State Grant Assistance for Rapid DNA
<p>Rapid DNA is included in two Federal Emergency Management Agency (FEMA) Authorized Equipment Lists (AEL):</p> <ul style="list-style-type: none"> <li>07BD-02-DNRR: Analysis, DNA/RNA Detection</li> <li>09MY-01-DNAK: Kit, DNA Tools</li> </ul> <p>These AEL's are in these FEMA grants:</p> <ul style="list-style-type: none"> <li>Operation Stonegarden</li> <li>Port Security Grant Program</li> <li>Tribal Homeland Security Grant Program</li> <li>Transit Security Grant Program</li> <li>Urban Areas Security Initiative Program</li> <li>Homeland Security Grant Program</li> <li>State Homeland Security Program</li> </ul> <p><a href="#">Grants.gov</a> discusses these FEMA Grants and other Federal Grant opportunities</p> <ul style="list-style-type: none"> <li>Some of these are submitted through your State – see other side of this card</li> </ul> <p>How to find applicable Grants:</p> <ol style="list-style-type: none"> <li>On <a href="#">Grants.gov</a>, under Search Grants                     <ol style="list-style-type: none"> <li>Keyword search with terms: DNA, identity, biometric, security, mass casualty, etc.</li> <li>Use checklists to limit number of grants, e.g., Eligibility, Category</li> <li>Select a grant by Opportunity Number</li> </ol> </li> </ol> <p>View Grant Opportunity page for:</p> <ol style="list-style-type: none"> <li>Synopsis – key information, e.g. dates, PIC</li> <li>Package – under Actions-Apply provide email to get info on application package</li> </ol> <ol style="list-style-type: none"> <li>On <a href="#">Grants.gov</a>, under Search Applicants:                     <ol style="list-style-type: none"> <li>Use Register to apply for Workspace as either Organizational or Individual</li> <li>Get your DUNS number from your organization's finance office or call DUNS at: 1-866-705-5711</li> <li>Use Apply tab under Applicants for Workspace Instructions</li> <li>Complete required forms</li> <li>Submit and track application</li> </ol> </li> </ol> <p>3. Get alerts for new or revised grants at: <a href="http://apply07.grants.gov/search/subscribeAll.do">apply07.grants.gov/search/subscribeAll.do</a></p>	<ol style="list-style-type: none"> <li>Find contact information for your State Emergency Management (EM) Office at: <a href="http://www.fema.gov/emergency-management-agencies">www.fema.gov/emergency-management-agencies</a></li> <li>Call or go to the website of your State EM Office.                     <ol style="list-style-type: none"> <li>Request information on FEMA and other Federal grants.</li> <li>Request a contact in the EM Office for grants.</li> </ol> </li> <li>If EM Office cannot help, find a contact who works with grant applications in your State. Key offices to contact:                     <ol style="list-style-type: none"> <li>Administration</li> <li>Finance</li> <li>Budget</li> </ol> </li> <li>Identify appropriate grant(s).                     <ol style="list-style-type: none"> <li>Apply under all applicable grants.</li> <li>Comply with Open-Close times.</li> </ol> </li> <li>Request proper forms.</li> <li>Complete forms. Cite the proper FEMA AEL Item ID.                     <ul style="list-style-type: none"> <li>07BD-02-DNRR - Analysis, DNA/RNA Detection</li> <li>09MY-01-DNAK - Kit, DNA Tools</li> </ul> </li> <li>File forms on time</li> <li>Periodically monitor:                     <ol style="list-style-type: none"> <li>Call or email your State contact</li> <li>Call or email the contact given in the grant announcement</li> </ol> </li> <li>Request feedback on your application and apply the next year. Many are successful on their 2<sup>nd</sup> or 3<sup>rd</sup> year</li> </ol> <p>Contact the Rapid DNA vendors for assistance:</p> <ul style="list-style-type: none"> <li>ANDE (HettBio):  <a href="http://www.ANDE.com">www.ANDE.com</a>  <a href="mailto:sales@ANDE.com">sales@ANDE.com</a>                      817-705-4055</li> <li>IntegenX  <a href="http://www.IntegenX.com">www.IntegenX.com</a>  <a href="mailto:sales@integenx.com">sales@integenx.com</a></li> </ul>



Since 1995, JusticeTrax has produced a suite of products geared specifically toward the law enforcement and forensic community. Over the years, our applications have gained increasing acceptance among city, county, state and federal law enforcement agencies. Our applications are designed by forensic scientists and are the most comprehensive case management tools available.

With installations ranging from small, single-site laboratories of five users, to extremely large multi-site installations with 500+ users, we are honored to serve some of the most sophisticated crime laboratories in North America, Australia, the Caribbean, and the Middle East. Of these 175+ laboratories, greater than 95% are accredited to the ISO/IEC 17025 International Standard.

JusticeTrax is an ISO 9001:2015 certified company.

The JusticeFacts newsletters are found at <http://JusticeTrax.com/sales/newsletters>

ChemCentre Expert Solutions  
<http://www.chemcentre.wa.gov.au/Our-Services/Forensic-Science>

**NIJ Forensic Science R&D Reports for**

Modules: Generations, Cultural Diversity, Leadership Principles and Concepts

**Dr. Terry Anderson**

Modules: Personal Leadership, Practical Emotional Intelligence, Moral Compass

**Dean Gialamas**

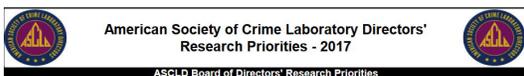
Modules: Leadership and Ethics, Leadership and Power

**Deputy Chief Timothy P. Scanlan**

Modules: Leadership and Change, First-Line And Mid-Level Supervision

**Jeremy Triplett**

Modules: Leadership Theories and DiSC Styles, Founding Fathers on Leadership



**ASCLD Crime Lab Minute Vol 11**

These research reports have been submitted by the National Institute of Justice (NIJ) especially for their relevance to crime laboratory activities. ASCLD has not reviewed nor does it necessarily endorse the findings of this research.

[NIJ-FBI Fingerprint Partnership Identifies 200 Missing Persons](#)

In March of this year, a new collaboration began between the National Institute of Justice and the FBI Laboratory. Fingerprints from unidentified missing persons are sent to the FBI where a new technology, known as Next Generation Identification, along with enhanced processing protocols, is improving the odds of identification. Identifications are increasing even with poor quality prints or with those that have been searched in the past.

[National Best Practices for Sexual Assault Kits: A Multidisciplinary Approach](#)

The National Institute of Justice recently released a report on National Best Practices for Sexual Assault Kits: A Multidisciplinary Approach in response to the Sexual Assault Forensic Evidence Reporting (SAFER) Act of 2013, which focuses on the accurate, timely, and effective collection and processing of DNA evidence in sexual assault investigations. A practitioner working group developed 35 recommendations that provide a roadmap for collecting, transferring, preserving, storing and analyzing sexual assault kits. The recommendations apply to medical professionals, members of law enforcement, victim advocates, prosecutors and laboratories. A coordinated, collaborative and multidisciplinary approach to sexual assault investigations helps reassure and support victims of sexual violence, encourages victim engagement and increases the potential for just legal resolutions.

[The Fingerprint Sourcebook is Now Available in Spanish](#)

NIJ has released a Spanish-language version of The Fingerprint Sourcebook, which aims to be the definitive resource on the science of fingerprint identification. The Sourcebook was prepared by the International Association for Identification and topics covered include the anatomy and physiology of friction ridge skin; techniques for recording exemplars from both living and deceased subjects; AFIS; latent print development, preservation and documentation; equipment and laboratory quality assurance; perceptual, cognitive and psychological factors in expert identifications; and legal issues.

[Forensic Identification Using Individual Chemical Signatures](#)

NIJ-funded researchers developed an approach to translate chemical signatures recovered from personal objects such as phones into a lifestyle sketch of the owner, using mass spectrometry and informatics approaches.

[Quantifying Error Rates for the Measurement of Human Skeletal Remains](#)

NIJ-funded researchers revised forensic anthropology procedures to include an "error metric" for the measurement of human skeletal remains. This article summarizes findings from that study.

[Designing Methods to Identify Evolving Designer Drugs](#)

This article describes an NIJ-supported research project focused on issues of resolution and discriminatory capabilities needed to increase the reliability and

# LEAP

**Bridging the gap**

The goal of the Laboratories and Educators Alliance Program (LEAP) is to facilitate collaborative research between academia and forensic science laboratories. This joint effort between the American Society of Crime Lab Directors (ASCLD) and the Council of Forensic Science Educators (COFSE) identifies forensic science needs and provides a platform for laboratories, researchers, and students to seek projects aligning with their mutual research capabilities.

Laboratories	Academia
Expands the research climate within the laboratory, leading to meaningful contributions to forensic science practices.	Promotes impactful research by providing a list of forensic science needs and research interests that can lead to future collaborations.
Provides educational opportunities, such as conference presentations and guest lectures.	Enriches the knowledge base of university faculty with limited or no prior forensic laboratory experience.
Supports the laboratory through hosting student interns to assist in validation and evaluation projects.	Enhances academic achievements through the valuable internship experiences provided to students.
Facilitates the connection between the laboratory and university programs, potentially assisting with future hiring actions and research needs.	Streamlines vital connections and collaborations between universities and forensic science laboratories as required for accreditation.



<http://www.anzpaa.org.au/forensic-science/our-work/newsletters>

To keep you up-to-date, we issue a free quarterly e-newsletter which provides an overview on the work on the Australia New Zealand forensic science community. In this issue of The Forensic Exhibit:

- News from the forensic community - updates from ANZFEC; Australian Academy of Forensic Sciences; Australia New Zealand Forensic Science Society
- ANZPAA NIFS forensic project updates: Research and Innovation Roadmap and Strategy; ANZPAA NIFS Groups Review
- Meetings and workshops reports from: The Impression, Pattern and Trace Evidence Symposium 2018; SOFT/TIAFT Conference; Clandestine Laboratory Advanced Practitioners Workshop
- Events Calendar

**NIFS Newsletter --**  
<http://www.anzpaa.org.au/forensic-science/our-work/newsletters>

Please check out NIJ this week for an abundance of forensic material:

<https://www.nij.gov/Pages/welcome.aspx>.

Sexual Assault and Non-DNA Evidence

When DNA is not available or not probative in

selectivity of forensic evidence and analytical data for new bath salt-type drugs of abuse.

### [Standardized Process Developed for Identifying Dyes in Fibers](#)

This article summarizes method with the twofold purpose of producing a novel, reliable, and useful microfluidic system for fabric dye extraction and increasing the knowledge needed to guide criminal justice policy and practice related to the forensic analysis of dyed fabric.

### [The Most Important Features for an Effective Sexual Assault Response Team](#)

Sexual Assault Response Teams (SART) hold the promise of improving victim experiences, increasing prosecution rates, and reducing the prevalence of sexual assault. To understand how an effective SART works, NIJ-funded researchers studied the structure and operations of SARTS across the United States.

### [Identifying Ignitable Liquids in the Aftermath of A Fire](#)

In a wide-ranging analysis of the effects of weathering and biological degradation on ignitable liquids, NIJ-supported researchers at the University of Central Florida's National Center for Forensic Science studied and classified 50 liquids in the Ignitable Liquids Reference Collection database.

### [Scale Modeling in Fire Reconstruction](#)

After reviewing scaling theory used in fire research, this project developed scaling rules for design fires and enclosure material boundaries, followed by the full-scale testing of a gas burner, heptane pool fire, pine wood crib, and polyurethane foam, and the scaling theory was applied to the full-scale scenario and a 1/8 scale compartment.

### [Evaluation of the Use of a Non-Contact 3D Scanner for Collecting Postmortem Fingerprints](#)

Historically, the recording of postmortem fingerprint impressions from decedents is a manual and labor-intensive process. 3D scanners are potentially an important tool to help forensic scientists address the challenges of postmortem fingerprint recovery due to the contactless scanning capabilities, as well as the ability to scan complex surfaces and capture scale. This NIJ-supported study evaluated the potential for using a contactless, 3D fingerprint scanner to capture examination-quality postmortem fingerprints and facilitate rapid identification of the deceased.

### [Evidential Value of Particle Combination Profiles on Common Items of Evidence](#)

This project used the analytical tools and statistical methods developed in previous research funded by NIJ to measure the evidential value of very small particle (VSP) profiles found on four common types of physical evidence: handguns, cell phones, drug packaging, and ski masks.

### [Method Development and Validation of Toolmark Imaging, Virtual Casings Comparison, and In-Lab Verification using a GelSight-Based Three Dimensional Imaging and Analysis](#)

Stemming from a previous project that developed a 3D surface topography imaging and analysis system for casings based on the GelSight scanning technology and custom feature-based image comparison, this NIJ-supported project aimed 1) to develop the ability to scan and compare firing pin impressions; 2) to examine the use of the imaging and analysis technology in a live lab

sexual assault cases, other forensic evidence can help establish the facts, recreate a series of events, corroborate or refute testimonies, and include or exclude a potential suspect. [Read the article.](#)

#### Sexual Assault Response Recommendations (Best Practices for SAKs)

Check out research-based recommendations for processing sexual assault kits. These include victim-centered responses to sexual assault and ultimately results in safer communities.

[Review best practices \(pdf, 140 pages\).](#)

#### Recent Articles

[Defining the Difficulty of Fingerprint Comparisons](#)

[New Software Improves Rigor of Latent Fingerprint Examination](#)

[The Importance of Diversity and Inclusion in the Forensic Sciences](#)

Director's Corner Message on Responding to Sexual Assaults:

<https://www.nij.gov/about/director/Pages/muhlenhausen-responding-to-sexual-assault.aspx>

experiment; and 3) to investigate Virtual Microscopy, the use of measured 3D surface topographics as a substitute for physical casings.

Dear Colleagues,

#### **New Solicitation: Research and Evaluation of Technologies to Improve School Safety**

The Department of Justice, Office of Justice Programs, National Institute of Justice (NIJ) is seeking proposals for projects to demonstrate and evaluate the application of technologies to improve school safety. This solicitation is part of the Comprehensive School Safety Initiative (CSSI).

NIJ is interested in funding a single evaluator who will have the capabilities to assess the effectiveness of a few promising technologies that can enhance safety within K-12 schools. Evaluations should consider the school environment and use cases as well as the kinds of data that might be collected or used as a result of the technology intervention.

Applicants are encouraged to explore technologies that have worked for use cases in other ecosystems that may translate well to the K-12 school environment.

**All applications are due by 11:59 p.m. Eastern Time on May 10, 2018.**

[Review the solicitation.](#)

Applicants must [register with Grants.gov](#) prior to submitting an application.

[Learn how to become an NIJ proposal peer reviewer.](#)

This solicitation is competitive; therefore, NIJ staff cannot have individual conversations with prospective applicants.

Any questions concerning the solicitation should be submitted to the National Criminal Justice Reference Service: [1-800-851-3420](tel:1-800-851-3420); TTY at [301-240-6310](tel:301-240-6310) (for hearing impaired only); email [grants@ncjrs.gov](mailto:grants@ncjrs.gov); fax [301-240-5830](tel:301-240-5830); or web chat <https://webcontact.ncjrs.gov/ncjchat/chat.jsp>. See also NIJ.gov's [solicitation FAQ page](#)

American Society of Crime Laboratory Directors

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