American Society of Crime Lab Directors

"THE CRIME LAB MINUTE" NEWSLETTER

Dear Colleagues,

As you may know, ASCLD is the administrator of the US Technical Advisory Group (TAG) for ISO TC 272, which is a technical committee to develop standards for delivery of forensic science services internationally. The technical committee published its first standard in 2016; ISO 18385 Minimizing the risk of human DNA contamination in products used to collect, store and analyze biological material for forensic purposes. ISO TC 272 is presently developing a series of standards for recognition and collection of evidentiary items, analysis, interpretation, and reporting. These standards will be available for future use by forensic science service providers. In addition, ISO TC 272 will develop a standard to reduce the risk of contamination in other consumables used by forensic science service providers.

Currently 24 nations participate in ISO TC 272, with the US participating by representing ANSI as a TAG. The US TAG for ISO TC 272 is a mirror committee to the technical committee at ISO, meaning it operates much like the committee at ISO, only with member stakeholder groups rather than member nations. Former ASCLD Board Kermit Channell (Chair) and Soraya McClung (Secretary), have been instrumental in the establishment and success of the US TAG. Kermit and Soraya developed the US TAG, volunteering to administer the committee since its creation in 2013 when ASCLD created a partnership with ANSI to form and then administer the US TAG.

The US TAG has grown to include various stakeholders in forensic science across the United States, with a common interest in developing standards to improve forensic science globally. Both Kermit and Soraya are moving on to other opportunities and will be replaced with current ASCLD board member Erin Forry (Chair) and Past-President Jody Wolf (Secretary). We are exceedingly grateful to both Kermit and Soraya for their dedication and achievement of the US TAG on behalf of Forensic Science. Thank-you both for your great work and congratulations to Erin and Jody for their new positions.

Ray Wickenheiser

ASCLD President

Registration for the Leadership Academy is now live!

To register, please visit or share the following link: https://www.regonline.com/ASCLDSymposium2018.

Forensic Technology
CENTER OF EXCELLENCE
A program of the National Institute of Justice

Leadership Series Now Available!

#LeadYourLab #ForensicLeadership #FTCOE

The FTCOE is launching its Online Leadership Series we completed in collaboration with ASCLD today! Here are some helpful quick links:

Landing Page
YouTube Promo Video
Just So You Know Podcast Page
Leadership Resources Post

The website has also been updated so that the Leadership series is the first image shown on the site www.Forensiccoe.org It is our hope that this becomes a great resource for all in 2018 and beyond!

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

The **Forensic Technology Center of Excellence** (FTCoE), led by **RTI International**, is supported through a Cooperative Agreement from the **National Institute of Justice** (NIJ), Office of Justice Programs, U.S. Department of Justice (awards 2016-MU-BX-K110 and 2011-DN-BX-K564).

ANZPAA
Australia New Zealand Policing Advisory Agency

NIFS

ANZPAA NIFS NEWS
Volume 18, Issue 4 – December 2017

Message from the Director

It is hard to believe the year is almost over.

It has been a busy and exciting year for the ANZPAA NIFS team. The Institute has celebrated its 25th Anniversary this year. We saw the completion of our first Business Plan under the new ANZPAA NIFS framework and the team successfully facilitated a Joint Specialist Advisory Group (SAG) meeting of 150 members from a range of forensic science disciplines.

Next year is shaping up to be just as big. The ANZPAA NIFS Groups Review is underway which will consider all of the NIFS groups from a first principles perspective. The Research and Innovation Strategy and Roadmap will provide a mechanism for the provision of funding and support for projects and the NIFS News will be getting a new look in 2018 – we welcome your feedback.

ANZPAA NIFS are excited to support the Australian and New Zealand Forensic Science Society (ANZFSS) 24th International Symposium on Forensic Science in Perth. The symposium is an invaluable opportunity to stay abreast of current research, engage with forensic partners and network with colleagues. We wish the organising committee all the best in preparing for this big event.

I would also like to congratulate the Australian Academy of Forensic Sciences (AAFS) on their 50th Anniversary. What an achievement! The ongoing support by the Australian forensic community, evident at the recent celebratory symposium and dinner in Sydney, is a testament to the academy.

Our 2016-2017 Annual Report is now available online. I invite you to view the report and discover the great work of the Australia New Zealand forensic science community.

http://www.anzpaa.org.au/forensic-science/our-work/products/publications

I would like to thank the ANZPAA NIFS team and all of the forensic stakeholders for their ongoing hard work and dedication. Together we are achieving wonderful things for forensic science.

I wish you and your families all the best for the festive season. We look forward to working with you all in 2018.

Dr Linzi Wilson-Wilde OAM
Director, ANZPAA NIFS

http://www.anzpaa.org.au/forensic-science/our-work/products/publications

The ASCLD reps on the Organization of Scientific Area Committees for Forensic Science (OSAC) Quality Infrastructure Committee's (QIC) Impact Assessment Task Group are seeking informal feedback from lab directors to assess the laboratory impact of the following proposed standard(s) being considered for inclusion on the OSAC Registry of Standards. This survey should take less than 4 minutes to complete. For further information, and to review each proposed standard, click the appropriate link(s) below. If you have any questions about this process, please contact Impact Assessment Task Group Member Arlene Hall at Arlene.Hall@isp.state.il.us .

Click here for the link to the QIC survey for proposed standard **ASTM E2329-17 Standard Practice for Identification of Seized Drugs:** https://goo.gl/forms/ScDdQQLSpaDJPeyD3.

NOTE: Access to this proposed standard and the formal public comment period closes on January 6, 2018. The associated QIC survey will also close at that time. Please participate; your feedback is important.

Dear Forensic Science Professionals,

The Forensic Science Training Institute is offering a workshop titled "Contextual Bias in Forensic Science" March 13-15, 2018.

The topic of "bias" and its implications for forensic practice has been hotly debated and researched in forensic and academic circles over the last decade. The 2009 National Academy of Sciences (NAS) report on the state of forensic science in the USA and the 2016 President's Council of Advisors on Science and Technology (PCAST) report on forensic science recommend that forensic practitioners address issues relating to bias in forensic science and provide evidence to the fact finder that they have done so.

This workshop uses an engaging and innovative mixture of lectures, case examples, and practical activities to educate participants on the theoretical concepts and practical implications of bias within forensic science. Participants will receive instruction on the various types of bias, how to identify its presence, how to mitigate its influence, methods on how to sequentially unmask data, procedures used to identify task-relevant information, concepts for the appropriate management of case-specific contextual information and how to appropriately document critical decision pathways.

This workshop is primarily aimed at forensic science practitioners both scene or laboratory based, especially those involved in the early identification, collection and interpretation of evidence. It is however designed to benefit anyone who produces, uses or relies upon forensic science for decision making purposes within the justice system, including judges, district attorneys, defense lawyers, and detectives.

The workshop is $395 per person.

For registration, please visit: http://www.cedarcrest.edu/forensic/18/2.htm

Shaheen, Cornyn Call on DOJ to Provide Guidance on Boosting Support for Forensic Labs in Efforts to Combat Opioid Epidemic

(Washington, DC) – Today, U.S. Senators Jeanne Shaheen (D-NH) and John Cornyn (R-TX) led a letter with a bipartisan group of 30 senators to U.S. Attorney General Jeff Sessions, asking him to provide Congress with information detailing how the Department of Justice (DOJ) is supporting and prioritizing forensic science service providers across the nation as a part of a broader approach to combat the opioid epidemic.

"The opioid crisis knows no boundaries; it reaches into homes in every community in every region of this country. Stopping the flow of these drugs is critical to ending the crisis, but to do so requires the ability to trace the drugs to their source. This demands a forceful and vigorous effort by our forensic science community," **wrote the senators**.

The senators continued, "The current opioid crisis has overwhelmed the nation's collective laboratory systems with more than a 6000% increase in the last four years, according to National Forensic Laboratory Information System (NFLIS) data provided by the American Society of Crime Laboratory Directors. Case backlogs and turnaround times are growing. Dangerous emerging drugs are not being scheduled to make them illegal, and deaths likely associated with drug overdose are not being investigated completely by medical examiners and coroners."

The bipartisan coalition of senators call on the DOJ to provide a comprehensive list to Congress within 30 days, detailing how the Department is supporting and prioritizing forensic science service providers, and to also explain how the Department is including grant programs and technical assistance for providers at the state, county and local levels to help combat the public health crisis. The forensic science community plays a critical role in communities affected by the opioid epidemic. Labs and other forensic science service personnel help local law enforcement and federal agencies trace drugs to their source by helping to analyze evidence, find importers, manufacturers and distributors, and to determine causes of death in overdoses.

Senator Shaheen, the lead Democrat on the Appropriations Commerce, Justice, Science and Related Agencies Subcommittee, and Senator Hassan introduced legislation to help the State Police Forensic Laboratory and Office of the Chief Medical Examiner in New Hampshire and their counterparts across the country that are dealing with dramatically increased demands and serious backlogs as a result of the opioid epidemic. Earlier this month, Senator Shaheen sent a letter to President Trump with a group of 19 senators, calling on the President to support additional funding necessary to combat the opioid epidemic. Senator Shaheen has been a leader in Congress on combating the opioid crisis, and was instrumental in efforts to obtain emergency funding through the 21st Century Cures Act that was signed into law by President Obama last year. Earlier this year, she helped secure over $700 million in additional opioid treatment resources. Shaheen recently helped unveil legislation that would provide $45 billion to respond to the opioid crisis, which is the largest response bill to combat the epidemic to date.

The bipartisan group supporting Senators Shaheen and Cornyn's letter include Senators Maggie Hassan (D-NH), Tammy Baldwin (D-WI), Richard Blumenthal (D-CT), Cory Booker (D-NJ), John Boozman (R-AR), Sherrod Brown (D-OH), Thad Cochran (R-MI), Susan Collins (R-ME), Christopher Coons (D-DE), Mike Crapo (R-ID), Ted Cruz (R-TX), Dianne Feinstein (D-CA), Al Franken (D-MN), Chuck Grassley (R-IA), Orrin Hatch (R-UT), James Inhofe (R-OK), Angus King (I-ME), Amy Klobuchar (D-MN), James Lankford (R-OK), Patrick Leahy (D-VT), Joe Manchin (D-WV), Ed Markey (D-MA), Lisa Murkowski (R-AK), Rob Portman (R-

OH), James Risch (R-ID), Mike Rounds (R-SD), Marco Rubio (R-FL), Thom Tillis (R-NC), Chris Van Hollen (D-MD) and Sheldon Whitehouse (D-RI).

The letter can be read in full here.

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 capactiy in both life and occupation.

Hotel Information

Atlanta Marriott Marquis
Located in the heart of downtown Atlanta, within walking distance to renowned Atlanta attractions including the Georgia Aquarium, World of Coca-Cola and College Football Hall of Fame, the Atlanta Marriott Marquis is unparalleled in its splendor and convenience.
The indoor MARTA access provides fast rail access to the Hartsfield-Jackson Atlanta International AIrport, while the downtown location offers first-class opportunities for experiencing Atlanta.
During your stay, enjoy the iconic cocktail lounge Pulse, dine at the unique restaurants including Sear and High Velocity, and pamper yourself in the state-of-the-art full service spa.

265 Peachtree Center Avenue
Atlanta, GA 30303
(404) 521-0000
http://www.marriott.com/hotels/travel/atlmq-atlanta-marriott-marquis/

Hotel Rate

- The room rate for this event is **$135.00** plus taxes and fees
- The contracted rate will be available until 5 PM EST, Friday, April 27, 2018

The room rate cut-off date is
5 PM, EST, Friday, April 27, 2018.

Last year the room block sold out early, so dont delay in making your hotel reservations!

Reservation Process
Online:

- **Click here to book your hotel reservation**

Phone:

- Please contact the reservations desk at (404) 521-0000
- Make sure that you reference that you are attending the ASCLD Symposium

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/

JOB OPPORTUNITIES (Hiring now)

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

- Forensic Chemist, Georgia Bureau of Investigation, Decatur, Expires: February 28, 2018
- Forensic Biologist – Crime Lab Scientist, Georgia Bureau of Investigation, Decatur, GA & Moultrie, GA, Expires: February 28, 2018
- Forensic Scientist – Drug Chemistry, Sedgwick County, Wichita, Kansas, Expires: January 26, 2018
- Forensic Scientist – Firearms & Toolmarks, Virginia Dept. of Forensic Science, Manassas, VA, Expires: December 29, 2017
- Forensic Toxicologist, Virginia Dept. of Forensic Science, Manassas, VA, Expires: January 3, 2018
- Forensic Scientist II -DNA, Scottsdale Police Department Crime Laboratory, Scottsdale, Arizona, Expires: December 30, 2017
- Forensic Scientist – Controlled Substances – Northern Lab, Virginia Dept. of Forensic Science, Manassas,

VA, Expires: December 29, 2017

- Assistant/Associate/Full Professor in Forensic Science, Arizona State University, Glendale, Arizona, Expires: January 31, 2018
- Assistant/Associate Professor, University of New Haven, West Haven, Connecticut, Expires: February 8, 2018
- Assistant Biometric Records Manager, Pinellas County Sheriff's Office, Largo, Florida, Expires: February 8, 2018
- Assistant/Associate Professor, University of New Haven, West Haven, Connecticut, Expires: February 8, 2018
- Forensic Chemist, InCadence Strategic Solutions, Forest Park, GA, Expires: January 31, 2018
- Biometric Records Manager, Pinellas County Sheriff's Office, Largo, Florida, Expires: December 25, 2017
- Senior Firearm/Toolmark Examiner (Senior Criminalist – Firearms), Tarrant County Medical Examiner Criminalistics Laboratory, Fort Worth, TX, Expires: January 5, 2018
- Principal Chemist – Radiological/Nuclear (01597), ORAU, Charlottesville, VA and OCONUS, Expires: January 2, 2018
- Senior Chemist (01603), ORAU, Charlottesville, VA and OCONUS, Expires: January 2, 2018
- Staff Chemist – Radiological/Nuclear (01610), ORAU, Charlottesville, VA and OCONUS, Expires: January 2, 2018
- Associate Chemist – Radiological/Nuclear (01591), ORAU, Charlottesville, VA and OCONUS, Expires: January 2, 2018
- Principal Microbiologist (01601), ORAU, Charlottesville, VA and OCONUS, Expires: January 2, 2018
- Senior Microbiologist (1609), ORAU, Charlottesville, VA and OCONUS, Expires: January 2, 2018
- Staff Microbiologist (01596), ORAU, Charlottesville, VA and OCONUS, Expires: January 2, 2018
- Associate Microbiologist (01595), ORAU, Charlottesville, VA and OCONUS, Expires: January 2, 2018
- Assistant/Associate Professor of Forensic Science, Sam Houston State University, Huntsville, TX, Expires: December 31, 2017
- Forensic Examiner DNA 3 (#01377), ORAU, Ft. Gillem, GA (& OCONUS), Expires: December 31, 2017
- Forensic Examiner DNA 1 (#01376), ORAU, Ft. Gillem, GA (& OCONUS), Expires: December 31, 2017
- Forensic Examiner Latent Print 1 (#01375), ORAU, Ft. Gillem, GA (& OCONUS), Expires: December 31, 2017
- Forensic Examiner Latent Print 3 (#01374), ORAU, Ft. Gillem, GA (& OCONUS), Expires: December 31, 2017
- Forensic Chemist (#01373), ORAU, Oak Ridge, Expires: December 31, 2017
- Laboratory Manager/Theater Liaison (#01365), ORAU, Ft. Gillem, GA (& OCONUS), Expires: December 31, 2017
- Laboratory Manager/Theater Liaison, MISS, Oak Ridge, Expires: December 31, 2017
- Forensic Examiner – Firearms & Toolmarks (#01378), ORAU, Ft. Gillem, GA (& OCONUS), Expires: December 31, 2017
- Forensic Scientist I-Firearms/Toolmarks/Ballistics, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist II-Firearms/Toolmarks/Ballistics, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist III-Firearms/Toolmarks/Ballistics, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist IV-Firearms/Toolmarks/Ballistics, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist I-Trace Evidence, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist I-Trace Evidence, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist II-Trace Evidence, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist III-Trace Evidence, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist IV-Trace Evidence, Nassau County Medical Examiner Division of Forensic Services,

East Meadow, NY, Expires: February 2, 2018

- Forensic Scientist Trainee-Chemistry/Controlled Substances, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist Trainee-Firearms/Toolmarks/Ballistics, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist Trainee-Latent Prints, Nassau County Medical Examiner Division of Forensic Services, East Meadow, NY, Expires: February 2, 2018
- Forensic Scientist Trainee-Trace Evidence, Nassau County Medical Examiner, East Meadow, NY, Expires: February 2, 2018

Workplace Hazards
by Jane Northup

Required Information provided to lab personnel working with hazardous substances

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, and 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. This week we will cover topic 4) *Required Information to be provided to lab personnel working with hazardous substances*

- *Provide laboratory personnel information and availability of the Laboratory Standard and its appendices*. The Laboratory Standard is **29 CFR 1910.1450—Occupational Exposure to Hazardous Chemicals in Laboratories. This document may not be applicable to forensic labs in its entirety, but several chemicals listed in the standard do pertain to forensic lab use. For example, methanol, commonly used in forensic labs, is a chemical requiring OSHA consideration.**
- *The labs location and availability of the employer's CHP must be addressed in policies.* As discussed in previous installments, the CHP (Chemical Hygiene Plan) is a written program stating the policies, procedures and responsibilities that protect workers from the health hazards.
- *Knowledge of the permissible exposure limits (PELs) for OSHA regulated substances or recommended exposure limits for other hazardous chemicals where there is no applicable OSHA standard.* Many chemicals used in a forensic lab have exposure limits. If proper procedures such as fume hoods are used, these limits would not be experienced by an analyst. This is of particular importance if a chemical is spilled and there is an inadvertent exposure to the chemical. Make sure that employees know which chemicals in use would trigger the need to know how much someone can be exposed without health ramifications.
- *Know the signs and symptoms associated with exposures to hazardous chemicals used in the laboratory.* Signs and symptoms of exposure to hazardous chemicals are explained in the SDS of each chemical. Make sure that all employees have read the SDS prior to working with the chemical and know where to go for the SDS's during an emergency. A person exposed to a chemical should go to the hospital with the SDS in hand so that all emergency personnel know how to treat the afflicted.
- *Know the n dfnes ne,eedlfsdnet,eyadmel*Lab personnel MUST know the location of the SDS's, have read them prior to using a hazardous chemical, know where all safety manuals, equipment and supplies are located, and have knowledge if the lab has additional reference material pertaining to the chemicals, such as reference manuals for procedures used. This information may be in hard copy or online, but the lab worker should have quick access and should not be password protected.

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
Permissible Exposure Limits
https://www.osha.gov/dsg/annotated-pels/
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
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.forensicmag.com/article/2004/06/osha-and-forensic-laboratory

TRAINING OPPORTUNITIES

In 2018, the Forensic Science Training Institute will be offering a week-long course in Advanced Fabrics Bloodstain Pattern Analysis Training on March 19-23.

The class size is limited to twelve, so please register early to ensure your seat.

For registration and full details on the course requirements, visit the Forensic Science Training Institute website here: http://www.cedarcrest.edu/forensic/16/1.htm

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

SWGDAM Interpretational Guidelines

https://forensiccoe.org/webinar/ascld-webinar-dna-standards-and-guidelines/

Proposed Quality Assurance Standards (QAS) changes

https://forensiccoe.org/webinar/ascld-webinar-series-dna-standards-and-guidelines-webinar-part-2/

Forensic Training in 2018!

Quick Links to ANAB

ANSI-ASQ National Accreditation Board (ANAB)

ANSI-ASQ National Accreditation Board (ANAB) is a member of the ANSI-ASQ National Accreditation Board family of brands and the new home of ASCLD/LAB. ANAB provides accreditation for ISO/IEC 17025 forensic test laboratories and ISO/IEC 17020 forensic inspection agencies and a wide variety of training, workshops, and academic programs.

Navigating the New ISO/IEC 17025:2017 – Comparison to ISO/IEC 17025:2005 (Web-based)
ONLINE
Cost: $200

Forensic ISO/IEC 17025 Internal Auditor Training
February 6-9, 2018
San Diego, CA
Cost: $850

May 8-11, 2018
Cary, NC
Cost: $850

Forensic ISO/IEC 17025 Assessor Training (Testing)
January 8-12, 2018
Largo, FL
Cost: $1,195

April 9-13, 2018
Springfield, VA
Cost: $1,195

Practical Applications for Forensic Measurement Confidence
March 13-14, 2018
Alexandria, VA
Cost: $600

Root Cause Analysis for Forensic Service Providers (Web-based)
January 29- February 1, 2018
ONLINE
Cost: $395

Forensic Measurement Confidence (Web-based)
January 16-18, 2018
ONLINE
Cost: $140 per day, or $395 for all 3 days

Forensic ISO/IEC 17025 Preparation for Testing Laboratories
January 8-10, 2018
Largo, FL
Cost: $695

April 9-11, 2018
Springfield, VA
Cost: $695

Web-based courses also available.

ISO/IEC 17020 and Audit Preparation for Forensic Agencies
April 11-12, 2018
San Francisco, CA
Cost: ASQ member $650, non-ASQ member $700

October 15-16, 2018
Cincinnati, OH
Cost: ASQ member $650, non-ASQ member $700

Roadmap to Transition: Forensic AR 3028
Available as an on-site course
Contact training@anab.org or 414-501-5466 for more information

For more information about these workshops, contact 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

Forensic Science in the News

What new forensic science reveals about JFK assassination
One of the main questions around the Kennedy assassination was whether Lee Harvey Oswald was the only person shooting at the president in Dallas that November day in 1963. Investigators had found three bullet casings on the sixth floor of the Texas School Book Depository, where Oswald had been shooting from. Audio evidence found there had been another shooter who had fired once.

New NIST forensic tests to ensure high-quality copies of digital evidence
The software suite, referred to collectively as federated testing tools, is designed to help law enforcement and forensic practitioners with a critical early step in evidence collection: making a copy of the data from a seized electronic device. Because a suspect's guilt or innocence can hang in the balance, both the prosecution and the defense must agree that the digital forensic process did not introduce any unseen errors into the data, and that the methods they are using work as expected.

Orange County's Informant Scandal Yields Evidence of Forensic Science Deception in Murder Trials
Except for a disturbing fact—the presence of Nicholas, a bloody, bound, diaper-soiled, crying 2-year-old sitting on the kitchen floor without supervision—Catherine Tameny's modest one-bedroom apartment situated between the Disneyland and Knott's Berry Farm amusement parks looked deceptively neat upon opening the front door.

Scientists Shoot Human Heads Filled With Cow Blood for Science
The researchers successfully filled one of the heads up with 200 mL of cows blood, specially treated so as not to clot. The other head couldn't be fully re-infused, probably due to some decomposition. The team then placed both the cadavers and a blood-soaked sponge in front of white, open, and upright boxes and shot a fixed pistol from behind the box to measure the backspatter patterns left by the head and sponge.

5 Important Tools Used by Forensic Scientists
Crimes are rarely solved exclusively by police patrol officers, although they are usually first to arrive on the scene. Often, they are accompanied and assisted by detectives, medical examiners, and crime scene investigation units to investigate, conduct post-mortem analysis as needed, and document the crime scene, respectively. The latter, in particular, plays a key role as forensic scientists gather and analyze information that is oftentimes vital to the resolution of the case and the rightful apprehension of the perpetrators.

Delight at University of Cumbria's forensic science recognition
A lecturing team is celebrating the news that their hard work has paid off, resulting in accreditation by the Chartered Society of Forensic Sciences.

Forest dept staff train to capture leopards using forensic science
"Over the past few years we have come across citizens in Aarey attacked by leopards. These incidents brought to light the fact that we have no way of scientifically knowing which leopard has attacked the person and whether it has attacked people in the past. While we use camera trappings, it is not foolproof. This is why we decided to look towards forensic science and roped in a Bangalore-based wildlife forensic expert, Dr Prayag H S and experts from Kalina Forensic Lab. A workshop was conducted," said Dr Jitendra Ramgaokar, deputy conservator of forests (Thane).

What's the deal with Saint Lucia's Forensic Science Lab?
Though a new year is approaching, bringing with it a clean slate for crime statistics, residue from 2017's most hideous crimes will surely spill into 2018. For family and friends of victims, as well as members of the wider public fixated on justice, the outcome of rape, murder and other ongoing cases will continue to be anticipated, hopefully soon, with the added assistance of a fully functioning Forensic Science Laboratory.

New NIST Forensic Tests Help Ensure High-Quality Copies of Digital Evidence
Washington, DC - Data found on a suspect's computer, cell phone or tablet can prove to be crucial evidence in a legal case. A new set of software tools developed at the National Institute of Standards and Technology (NIST) aims to make sure this digital evidence will hold up in court.

Vernon cold-case unit seeking help with teen's 1980 murder
Vernon Parish Sherif Sam Craft's new cold case investigative team is seeking help solving the 1980 murder of a Sandy Hill-area teenager as well as other unsolved homicides in the parish.

This machine that analyses art can also be used to solve crime
One of the shortfalls of traditional forensic science is the struggle to detect and image biological traces, like blood and sperm, from a surface too dark or fluorescent. This new CSI technique, however, can detect traces on any surface with ease, and it could even help to solve old crimes.

Defense Takes Over During Eighth Day of the Civil Trial of the Homicide of Shirley Carter
The defense then called their first witness, Independent Forensic Science Consultant Gary Rini to the stand. Rini told the jury about the different methods used for investigating a crime scene and was asked questions regarding the crime scene photos. Rini told the jury he had no opinion as to if the scene was a staged burglary but during cross examination was shown that he had stated in a November report he believed the scene to be staged. Rini suggested that there were problems with the DCI investigation of the scene.

San Joaquin Co. attorneys call for separation of sheriff, coroner's offices
16 attorneys practicing in San Joaquin County submitted a signed letter today to the San Joaquin County Board of Supervisors and County Administrator's Office today calling for the separation of the county's sheriff's and coroner's office.

More than 34,000 family court cases 'may have been hit by forensic tampering scandal'
This week the National Police Chiefs Council announced 10,000 criminal cases in England and Wales dating back to 2010, including rapes and murders, are being reviewed after two forensic scientists were arrested on suspicion of manipulation of drug and alcohol tests.

A New Scientific Technique Reveals How Ancient Humans Made Art
Developed by Loanna Kakoulli, a professor of materials science and engineering at UCLA, and John Delaney, an imaging scientist at the National Gallery of Art, the technique allows researchers to map the molecular and elemental composition of a painting's surface and determine the materials used by the artist and the order in which they were applied. It also puts the work into historical and geographical context, revealing how and when the artist's paints were made.

Real-life CSI: New device could help bomb squads 'catch the bad guys'
Some in law enforcement have called it a game-changer: one state-of-the-art portable device that could be used in investigations of bomb blasts and violent crime scenes, and maybe even in space explorations.

State crime lab braces for impact of new DNA profiling law
Starting in January, suspects arrested on probable cause for any felony charge will open themselves to scrutiny in other cases, thanks to Indiana's new DNA profiling legislation.

New York City Council Members Grill Crime Lab Officials About Unregulated DNA Database
New York police and crime lab officials faced tough questions Thursday about whether a large, unregulated DNA database built in part to solve more gun cases violates the civil rights of the people whose profiles are in it.

Sheriff's office will continue to manage Hennepin Co. Crime Lab
At a Hennepin County Board of Commissioners meeting Tuesday, Commissioner Marion Greene backed off on her proposal to put county administrators in charge of the crime lab, which is responsible for processing evidence for 44 cities in Hennepin County

Local crime lab to add forensic robot
The Anoka County Board Oct. 24 accepted a 2017 DNA capacity enhancement and background reduction program grant from the U.S. Department of Justice, Office of Justice Programs, totaling $150,000 effective Jan. 1, 2018 through Dec. 31, 2019.

New State Crime Lab to Focus on Drug, DNA Evidence
State Attorney General Josh Stein attended last week the inauguration of the State Crime Lab office for western North Carolina in Edneyville this weekend. The new regional crime lab, unlike one in Asheville since the 1980's, relieves the burden of DNA evidence testing from the main lab in Raleigh, which was previously the only facility with that capacity.

Officials break ground on new Hamilton County crime lab
Hamilton County Coroner Lakshmi Sammarco has been pushing for a new crime lab for five years.

Indictment of Man Charged in 8 Killings Stalled by Crime Lab Shortage
Lincoln County District Attorney Dee Bates tells The Daily Leader that a shortage of pathologists at the state crime lab means autopsy reports haven't been finalized.

El Paso District Attorney asking for new chemist in crime lab to reduce DWI backlog
Facing a backlog of DWI cases, El Paso County leaders are discussing hiring a new chemist to test blood work.

Sentencing hearing scheduled Monday for woman accused in DUI crash that injured six children
A woman who investigators say was driving drunk, causing a crash that injured six children will have a sentencing hearing on Monday at 2 p.m.

Urbana police uncover large indoor marijuana operation
Multiple officers acting with a search warrant raided a home in the 300 block of Boyce Street on Thursday, Dec. 7, according to information from the Urbana Police Division. Police said they uncovered evidence of several drug crimes, including an alleged large indoor marijuana growing operation that took up a large portion of the building's interior.

Box containing children bones and teeth found in Missoula shed
Missoula Police have a "person of interest" concerning a box they found that contains bones and teeth, believed to be from three children, in a Missoula shed in September.

NM IJP in court on Monday: New DNA evidence proves innocence of client
The New Mexico Innocence and Justice Project at the UNM School of Law took the case in 1987, and on Monday, December 11, the Second Judicial District Court in Albuquerque heard IJP's Motion to Dismiss the case and conviction against Duran.

Suspect who sent 21-month-old to hospital for bruising, brain bleeds, faces child rape charges
A Spokane Valley man now faces first degree rape of a child charges in addition to assault of a child charges.

Virtual Case Notes: Raped Through the Internet—Swedish Man Convicted in Unprecedented Case
But the dark side of this connectedness was highlighted late last month, when a Swedish court ruled that a man who had coerced children in other countries to perform sex acts on a webcam was guilty of the crime of rape. On Nov. 30, Bjorn Samstrom, 41, became the first person in Sweden convicted of rape for offenses committed solely over the internet, according to the Associated Pres

Photographing Impression Evidence
For crime scene investigators, processing a scene entails recognizing evidence, note taking, scene photography, measurements, evidence collection and submission. It also includes searching for and developing impression evidence, such as fingerprints, palm prints, footprints, tool marks, footwear impressions, tire tracks and other forms of impressions. Not every impression can be collected in place, lifted or cast. While all evidence requires

photographic documentation prior to recovery, in many instances photography is the only way to recover the evidence itself. Anyone who has used photography to recover impressions knows the process is much more involved than simply taking a picture. In this article, I'll discuss some of the keys to photographing impression evidence.

Automated Sample Storage Methods Reduce Risk
Manually managing an extensive repository of evidentiary DNA samples and small biological samples can be time-consuming, contributing to a slowdown in overall laboratory efficiency. This issue is compounded in forensic laboratories by sample overcrowding due to legislation and best practice guidelines stipulating that DNA samples be retained throughout the incarceration period, until statute of limitations expiration or even indefinitely, depending on the crime and jurisdiction.

Dutch Police Make Arrest in Cold Case Murder After Mass DNA Collection from Over 100 Men
The man accused of raping and stabbing Milica van Doorn before dumping her body in a pond in the city of Zaandam in the Netherlands was one of only two men who refused to give a DNA sample after police asked 133 men to volunteer, but was discovered through a relative who did volunteer, according to DutchNews.

Swedish Serial Shooter 'Laserman' Transported to Germany for Trial in 1992 Unsolved Murder
The far-right terrorist who shot 11 people in and around Stockholm in the early 1990s has been shipped to Germany to stand trial for the unsolved 1992 murder of an elderly Holocaust survivor.
John Ausonius, dubbed "Laserman" for the laser-sighted rifle he initially used for his attacks, is already serving a life term in a Swedish prison for the attacks in his home country, which left one dead and 10 seriously wounded from August 1991 to January 1992.

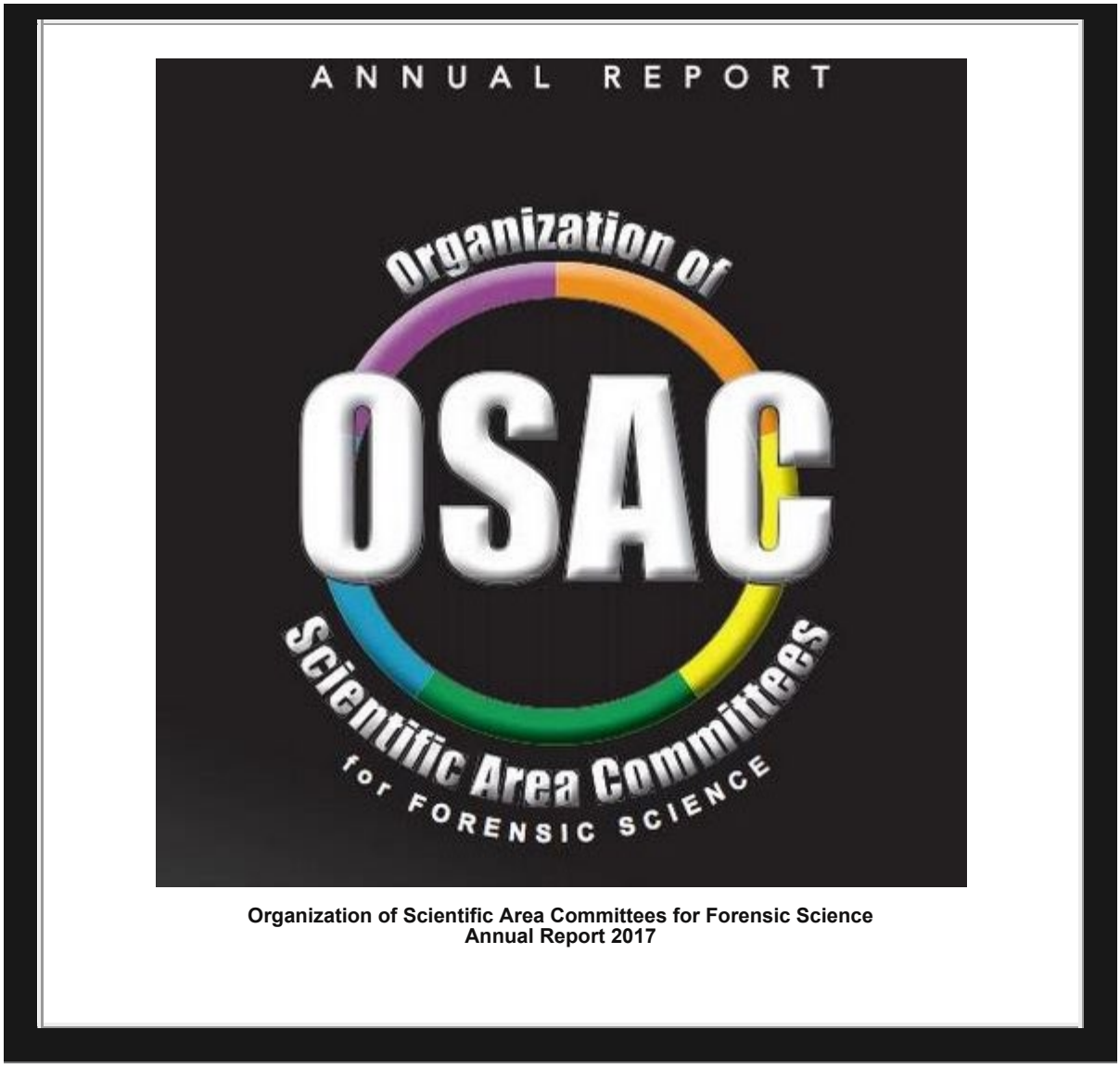
LA Police Probe Claim Roman Polanski Molested Girl in '75
Los Angeles detectives said Tuesday they are investigating a woman's claim that Oscar-winning director Roman Polanski molested her in 1975, when she was 10 years old. But the allegations are so old that criminal charges couldn't be brought, even if proven.

Photos Can Be Traced to Individual Smartphones, Opening Up New Ways to Prevent Cybercrime
"Like snowflakes, no two smartphones are the same. Each device, regardless of the manufacturer or make, can be identified through a pattern of microscopic imaging flaws that are present in every picture they take," says Kui Ren, the study's lead author. "It's kind of like matching bullets to a gun, only we're matching photos to a smartphone camera."

Defendant in Football Player's Death Says He Fired Into Air
Jurors in a murder trial involving the 2015 death of a Tennessee high school football player who shielded friends from gunfire heard an interview Monday in which one defendant tells police he fired shots in the air without aiming at anyone that night.

'Making a Murderer' Nephew's Confession Upheld by Federal Court
More than a year after the murder conviction of Brendan Dassey was tossed by a federal judge, a split appeals court has now upheld the pivotal confession the then-16-year-old made to two Wisconsin detectives—one of the details in the case that fueled the arguments made in the popular Netflix series "Making a Murderer" two years ago.

New Stanford Study Analyzes Recent Research on Causes of Gun Violence
Researchers from Stanford and Duke University examined recent studies on the causes of gun violence in the United States in an effort to find consensus in a body of research that often covers different states or different time periods, making conclusions difficult to draw.



Organization of Scientific Area Committees for Forensic Science
Annual Report 2017

Forward

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

OXFORD GLOBAL

Genetics in Forensics Congress

Oxford Global Conferences: www.oxfordglobal.co.uk

Oxford Global Training Seminars: www.oxfordglobaltraining.co.uk

The Forensic Science Leadership Series at Cedar Crest College

2018 Workshops

CEDAR CREST COLLEGE

Cedar Crest College, Allentown, Pennsylvania
March 19th to 23rd, 2018

Course Instructors

Dr. Mark Reynolds
Mr. Edmund (Ted) Silenieks

Introduction

This course is designed primarily for practitioners who routinely examine blood stained clothing and other textiles and are required to assess, interpret, and report on bloodstain patterns as part of those examinations. The course is delivered through a combination of "face to face" instruction and self-directed learning. A minimum 80 hours of structured learning activities is required, inclusive of a 40 hour "face to face" residential component. The course will review the underpinning principles of BPA, and apply these principles to the

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.

CFSO Consortium of Forensic Science Organizations

Establishment of an Office of Forensic Sciences and a Forensic Science Board Within the Department of Justice
Revision 2/14/17

http://thecfso.org/advocacy/20170214_CFSO_OFS_Proposal_Rev.pdf

Formed in 2000, CFSO is an association of six forensic science professional organizations: American Academy of Forensic Sciences; American Society of Crime Lab Directors; International Association for Identification; International Association of Forensic Nurses; National Association of Medical Examiners; and Society of Forensic Toxicologists - American Board of Forensic Toxicology. These professional organizations together represent more than 21,000 forensic science professionals across the United States.

Read the CFSO Newsletter here.

Grant Assistance for DNA

analysis and interpretation of bloodstains on clothing and other textiles.

When examining clothing, the practitioner must be mindful of influences such as the fibre type, texture, treatments, all of which may affect the final appearance of bloodstains. The primary focus of the course is to develop those skills required for the examination of bloodstain patterns found on clothing items, including the use of microscopy to discriminate between spatter and transfer bloodstains

Evidence Technology Magazine
http://www.evidencemagazine.com

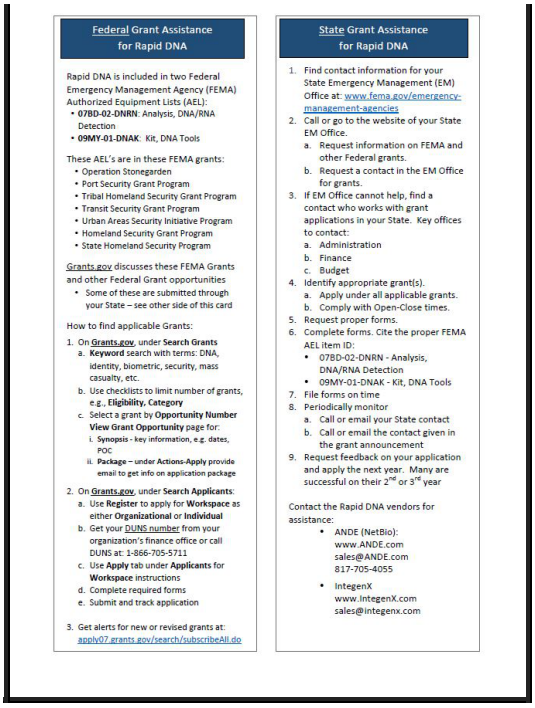
FORESIGHT 20/20

Greetings from the Project FORESIGHT team. We invite you to join us and submit data for the past fiscal year.
FORESIGHT is a business-guided self-evaluation of forensic science laboratories across the globe. The participating laboratories represent local, regional, state/provincial, and national agencies. Faculty from the WVU College of Business and Economics provide assistance, guidance, and analysis. We link financial information to work tasks and functions. Laboratory managers can use these functions to assess resource allocations, efficiencies, and value of services—the mission is to measure, preserve what works, and change what does not. **FORESIGHT is open to any forensic laboratory that completes and submits a LabRAT form. There is no charge for participation.** Attached you will find an example of an individualized report prepared for a participating laboratory.

To participate, simply complete the attached LabRAT workbook and submit to Paul Speaker at email paul.speaker@mail.wvu.edu. Please send any questions to the same email address. For additional information, please visit the program web site http://be.wvu.edu/forensic/foresight.htm. We are targeting a submission date of December 15, 2017.

Foresight 20/20

Impression, Pattern and Trace Evidence Symposium January 22-25, 2018



Federal Grant Assistance for Rapid DNA

Rapid DNA is included in two Federal Emergency Management Agency (FEMA) Authorized Equipment Lists (AEL):
- **07BD-02-DNRN**: Analysis, DNA/RNA Detection
- **09MY-01-DNAK**: Kit, DNA Tools

These AEL's are in these FEMA grants:
- Operation Stonegarden
- Port Security Grant Program
- Tribal Homeland Security Grant Program
- Transit Security Grant Program
- Urban Areas Security Initiative Program
- Homeland Security Grant Program
- State Homeland Security Program

Grants.gov discusses these FEMA Grants and other Federal Grant opportunities
- Some of these are submitted through your State – see other side of this card

How to find applicable Grants:
1. On **Grants.gov**, under **Search Grants**
   a. **Keyword** search with terms: DNA, identity, biometric, security, mass casualty, etc.
   b. Use checklists to limit number of grants, e.g., **Eligibility, Category**
   c. Select a grant by **Opportunity Number View Grant Opportunity** page for:
      i. **Synopsis** - key information, e.g. dates, POC
      ii. **Package** – under **Actions-Apply** provide email to get info on application package
2. On **Grants.gov**, under **Search Applicants**:
   a. Use **Register** to apply for **Workspace** as either **Organizational** or **Individual**
   b. Get your DUNS number from your organization's finance office or call DUNS at: 1-866-705-5711
   c. Use **Apply** tab under **Applicants** for **Workspace** instructions
   d. Complete required forms
   e. Submit and track application
3. Get alerts for new or revised grants at: apply07.grants.gov/search/subscribeAll.do

State Grant Assistance for Rapid DNA

1. Find contact information for your State Emergency Management (EM) Office at: www.fema.gov/emergency-management-agencies
2. Call or go to the website of your State EM Office.
   a. Request information on FEMA and other Federal grants.
   b. Request a contact in the EM Office for grants.
3. If EM Office cannot help, find a contact who works with grant applications in your State. Key offices to contact:
   a. Administration
   b. Finance
   c. Budget
4. Identify appropriate grant(s).
   a. Apply under all applicable grants.
   b. Comply with Open-Close times.
5. Request proper forms.
6. Complete forms. Cite the proper FEMA AEL item ID:
   - 07BD-02-DNRN - Analysis, DNA/RNA Detection
   - 09MY-01-DNAK - Kit, DNA Tools
7. File forms on time
8. Periodically monitor
   a. Call or email your State contact
   b. Call or email the contact given in the grant announcement
9. Request feedback on your application and apply the next year. Many are successful on their 2nd or 3rd year

Contact the Rapid DNA vendors for assistance:
- ANDE (NetBio):
  www.ANDE.com
  sales@ANDE.com
  817-705-4055
- IntegenX
  www.IntegenX.com
  sales@integenx.com

Two excellent job opportunities are available at JusticeTrax; Come join our Great Team! We have a Software Tester position and a Customer Care IT Support Specialist II position open.

Please read about the openings at https://justicetrax.com/employment/

Also, please consider attending the 2017 User Group Meeting: https://justicetrax.com/sales/2017-user-group-meeting/

www.JusticeTrax.com
(800) 288-5467

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

NIJ Forensic Science R&D Reports for 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

Renaissance Arlington Capital View Hotel<https://www.marriott.com/hotels/travel/waspy-renaissance-arlington-capital-view-hotel/>
2800 South Potomac Ave Arlington Virginia 22202 USA
<https://www.marriott.com/hotels/maps/travel/waspy-renaissance-arlington-capital-view-hotel/>

CALL for ABSTRACTS and CALL for WORKSHOPS are now open

Call for ABSTRACTS closes October 13th, 2017<x-apple-data-detectors://3>

Call for WORKSHOPS closes October 18<x-apple-data-detectors://4>th<x-apple-data-detectors://4>, 2017<x-apple-data-detectors://4>

Registration for attendees and presenters is FREE!

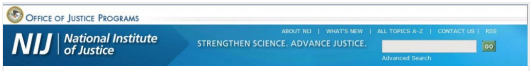
Attendee Registration will be opening soon.

All selected domestic presenters, except federal employees, will be funded for this event. Funding includes airfare and lodging that is arranged and prepaid by RTI. Other travel related expenses such as meals (at per diem rate), taxi, mileage and parking will be reimbursed following the workshop. Further detail will be provided to those selected with acceptance letters. International travel will not be funded.

For more information and to submit your abstract(s) or workshop proposal(s) please go to<http://www.forensiccoe.org/workshop/18-IPTES>www.forensicCOE.org/workshop/<http://www.forensiccoe.org/workshop/18-IPTES>18-IPTES<http://www.forensiccoe.org/workshop/18-IPTES>

For questions please contact forensicCOE@rti.org<mailto:forensicCOE@rti.org>.

West Virginia University Forensic Management Academy



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

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 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

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.

National Institute of Justice Awards

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.

Canadian Forensic Science Journal

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

Leadership series instructors and modules available.

Jody Wolf
Modules: Generations, Cultural Diversity, Leadership Principles and Concepts

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Dr. Terry Anderson
Modules: Personal Leadership, Practical Emotional Intelligence, Moral Compass

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Dean Gialamas
Modules: Leadership and Ethics, Leadership and Power

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

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

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

American Society of Crime Laboratory Directors