

Greetings to all of you. I hope this CLM finds you healthy. Below you will find a list of resources that perhaps you can share with your employees who are working from home. I am not advocating for any company, organization, or group. If you come across other classes, webinars, websites, etc., that may be of value, please feel free to share and we will add to the list. I realize some of the webinars have already occurred, but many companies provide an archived version, so I still kept them on the list. Thank you to all of you who have helped put the list together.

Brooke

List of Resources for Working from Home

STATISTICS

- Stanford's Professional Development Center. <https://stanford.io/2Ha7Blb>. Access to Live and On-demand webinar

Also, you can earn a Certificate in Medical Statistics by completing all three courses. You can also earn CME credits. The courses are self-paced, and you can enroll at any time. For more information: Program webpage: <https://stanford.io/2Ha7Blb>
Introductory Webinar ("How to Be aStatisticalDetective"): <https://stanford.io/31FSkIP>

WRITING

- Writing in the Sciences. <https://www.coursera.org/learn/sciwrite/>.

QUALITY ASSURANCE

- ANAB Free Webcasts
 1. [Top 10 Nonconformities in ISO/IEC 17025 Laboratories](#)
 2. [What are Soft Skills and Why Do I Need Them?](#)
 3. [Overview of ISO/IEC 17025:2017 Clause 7.7 - Ensuring Validity of Results](#)
 4. [The Top 5 Issues in Transition to ISO/IEC 17025:2017](#)
 5. [The DOs and DON'Ts of an ISO/IEC 17025:2017 Internal Audit and Management Review](#)
 6. [Introduction to ISO/IEC 17020 Accredited Inspection](#)
 7. [Cause Analysis and Corrective Action](#)
 8. [Competency and Training: Methods, Actions, and Requirements](#)
- Method Validation/Method Verification Reference Documents:
 1. NATA Guidelines for the validation and verification of quantitative and qualitative test methods

<https://www.nata.com.au/phocadownload/gen-accreditation-guidance/Validation-and-Verification-of-Quantitative-and-Qualitative-Test-Methods.pdf>

2. Eurachem Guide: The Fitness for Purpose of Analytical Methods – A Laboratory Guide to Method Validation and Related Topics (2nd ed. 2014)
https://www.eurachem.org/images/stories/Guides/pdf/MV_guide_2nd_ed_EN.pdf
3. Agilent Technologies Analytical Instrument Qualification and System Validation
<https://www.agilent.com/cs/library/eseminars/public/5990-4781EN.pdf>
4. SWGTOX Standard Practices for Method Validation in Forensic Toxicology
https://asb.aafs.org/wp-content/uploads/2018/09/036_Std_Ballot02.pdf
5. SWGDRUG Supplemental Document SD-2 For Part IVB: Quality Assurance/Validation of Analytical Methods
<http://www.swgdrug.org/documents/Supplemental%20Document%20SD-2.pdf>
6. EP17-A, Volume 24: Protocols for Determination of Limits of Detection and Limits of Quantitation; Approved Guideline
<http://demo.nextlab.ir/Organization/Documents/CLSI-Standards/CLSI-EP17-A.aspx>
7. SWGFAST Document #17: Standard for the Validation and Performance Review of Friction Ridge Impression Development and Examination Techniques (Latent/Tenprint)
https://www.nist.gov/system/files/documents/2016/10/26/swgfast_validation-performance-review_2.0_121124.pdf
8. SWGFAST: Validation of Research and Technology
http://www.swgfast.org/documents/validation/010808_Validation_1.0.pdf

- Accreditation/Auditing/ISO 17025
A2LA- <https://www.a2lawpt.org/events>
ANAB- <https://www.anab.org/training/forensic>
- Risk Assessment and Root Cause Analysis
ANAB- <https://www.anab.org/training/forensic>
<https://www.thinkreliability.com/>
- ANAB web-based training: <https://anab.ansi.org/training/web-based-training>

MULTI DISCIPLINE/SUBJECT

- Forensic Testing Center of Excellence <https://forensiccoc.org>.
- NFSTU at FIU: https://www.nfstc.org/service/forensics-training/free-online-training/?mc_cid=bb2322c152&mc_eid=286591f48f
- ANAB (cost involved) <https://anab.ansi.org/training/live-web-based-training>
- <https://www.west-technology.co.uk/forensic/>
- <http://www.fosterfreeman.com/index.php>
- <https://www.microscopyu.com/>
- <https://onin.com/fp/index.htm>

- Past NIST conferences <https://www.nist.gov/topics/forensic-science/conferences-and-events>
2018 Impression, Pattern and Trace Evidence Symposium
<https://forensiccoc.org/workshop/18-ipes/>
- NIST Forensic Technology Center of Excellence Research and Development Symposium 2020: <https://forensiccoc.org/workshop/18-ipes/>
2019: <https://forensiccoc.org/workshop/2019-nij-forensic-science-rd-symposium/>
- NIJ on-demand webinars and meetings <https://nij.ojp.gov/events/on-demand>
- RTI International: <https://www.rti.org/impact/online-continuing-education-and-training-forensic-sciences>
- Also RTI: <https://forensicrti.org/training-programs/>
- Coursera: <https://www.coursera.org/>
- Mooc.org: <https://www.mooc.org/>
- Amped Software Blog: <https://blog.ampedsoftware.com/>
- iINPUT-ACE training videos: <https://vimeo.com/inputace>
- Forensic Training- Webinars, courses, reports, podcasts
<https://forensiccoc.org/>
<https://www.nist.gov/topics/forensic-science>
<https://www.forensicscienceeducation.org/forensic-education/>
- Ion Chromatography: <http://www.chromatographyonline.com/>
- The Forensic Technology Center of Excellence has an archived webinar series from the end of last year that focuses on the opioid crisis with 13 different webinar topics.
https://forensiccoc.org/webinar/opioid-crisis-a-public-health-enemy-webinar-series/?utm_source=Forensic+COE+Weekly+Newsletter&utm_campaign=b25c43f08b-Newsletter_10%2F26%2F16_COPY_01&utm_medium=email&utm_term=0_32592f10b8-b25c43f08b-13590881
- Agilent Technologies <https://www.agilent.com/en/training-events>

To register for either this, or any of our other premium webinar series, please refer to the links in the table below:

Webinar Series	Webinar Title	Date
Prepping your Lab for a Potential Shutdown	HPLC and LC/MS Analysis	March 24 & 31
	GC and GC/MS Analysis	March 25 & April 1

	ICP-OES and ICP-MS Analysis	March 26 & April 2
Chromatography and Mass Spectrometry	Strategies for Lipid Separation and Analysis	March 25
	Automated Delay Time Calibration for LC-UVC and MS Peak-Based Fraction Collection	April 1
GC & GC/MS Educational Series	An Agilent Guide to SPME Analysis	March 26
	Building Blocks for a Robust GC Method	April 23
LC & LC/MS Column Webinars	Getting off to a Good Start: Preparative Method Development Strategies	April 9
Academic Research: Proteomics and Proteoforms	Improving Separation and Characterization of Proteoforms and Protein Complexes Using CEMS and ECD Fragmentation	March 24
Cannabis and Hemp Testing Solutions	Heavy Metals Analysis by ICP-MS Tips & Tricks	April 15

- LC-GC: <http://www.chromatographyonline.com/>
- Spectroscopy Magazine: <http://www.spectroscopyonline.com/>
- RTI International: <https://forensicrti.org/>
- ChromACADEMY: <https://www.chromacademy.com/>
- Search This Site : <https://www.labroots.com/webinars>

SEARCH ENGINES AND DATA BASES RESOURCES

- Google Scholar: <https://scholar.google.com/>
- Zeno's home page: <https://forensic.to/index.php>
- Reddy's Home Page: <http://www.forensicpage.com/>
- CSAFE – Center for Statistics and Applications in Forensic Evidence <https://www.forensicstats.org/>
- CCI- California Criminalistics Institute: <https://oag.ca.gov/cci>

PUBLISHERS AND ORGINIZATIONS

- California Association of Criminalists: <https://www.cacnews.org/news/2ndq20.pdf>
- American Society of Trace Evidence Examiners ASTEE Journal: <https://www.asteetrace.org/>
- AAAS American Association for the Advancement of Science: <https://science.sciencemag.org/>

- [American Academy of Forensic Science \(AAFS\)](#)
- [American Association of Laboratory Accreditation \(A2LA\)](#)
- [American Board of Criminalistics \(ABC\)](#)
- [American Society of Crime Laboratory Directors \(ASCLD\)](#)
- [ANAB \(ANSI-ASQ National Accreditation Board\)](#)
- [Association of Firearms and Toolmarks Examiners \(AFTE\)](#)
- [American Society for Testing and Materials \(ASTM\) International](#)
- [American Society for Quality](#)
- [California Association of Criminalists \(CAC\)](#)
- [Canadian Society of Forensic Science \(CFS\)](#)
- [Federal Bureau of Investigation \(FBI\)](#)
- [Forensic Science Communications](#)
- [International Association of Identification \(IAI\)](#)
- [Mid-Atlantic Association of Forensic Scientists \(MAAFS\)](#)
- [Mid-western Association of Forensic Scientists \(MAFS\)](#)
- [National Institute of Justice \(NIJ\)](#)
- [North East Association of Forensic Scientists \(NEAFS\)](#)
- [National Forensic Science Technology Center \(NFSTC\)](#)
- [Northwest Association of Forensic Scientists \(NWAFS\)](#)
- [Society of Forensic Toxicologists \(SOFT\)](#)
- [Southern Association of Forensic Scientists \(SAFS\)](#)
- [Southwestern Association of Forensic Scientists \(SWAFS\)](#)

SCIENTIFIC WORKING GROUPS

- [SWGDRUG – SWG for the Analysis of Seized Drugs](#)
- [SWGDE – SWG for Digital Evidence](#)
- [SWGFAST – SWG for Friction Ridge Analysis, Study and Technology](#)
- [SWGGUN - <https://afte.org/resources/swggun-ark>](#)
- [SWGIT – SWG for Imaging Technologies](#)

PUBLISHERS

- <https://www.elsevier.com/>
- <https://taylorandfrancis.com/>
- <https://www.wiley.com/en-us>

POD CASTS

- Just Science: <https://forensiccoe.org/just-science-podcast/>
- AAAS: <https://www.sciencemag.org/podcasts>
- Scientific American Team: www.scientificamerican.com

- Double Loop Podcast: <http://doublelooppodcast.com>

ADDITIONAL RESOURCES AND INSTRUCTIONS

- www.tandfonline.com
- ONLINE WILEY: <http://onlinelibrary.wiley.com>.
- Forensic Science International (1979-Current)
Forensic Science (1972-1978)
Science & Justice (1995 –Current)
Journal of the Forensic Science Society (1960 – 1994)
<http://www.sciencedirect.com>
- Nature: <http://www.nature.com>
- ASTM Access: <http://www.nist.gov/customcf/astmlaunchcode.htm>