



# Priority Action Report

## **Bloodstain Pattern Analysis Subcommittee**

Physics/Pattern Interpretation Scientific Area Committee

Toby L. Wolson, M.S., F-ABC

August 14, 2019

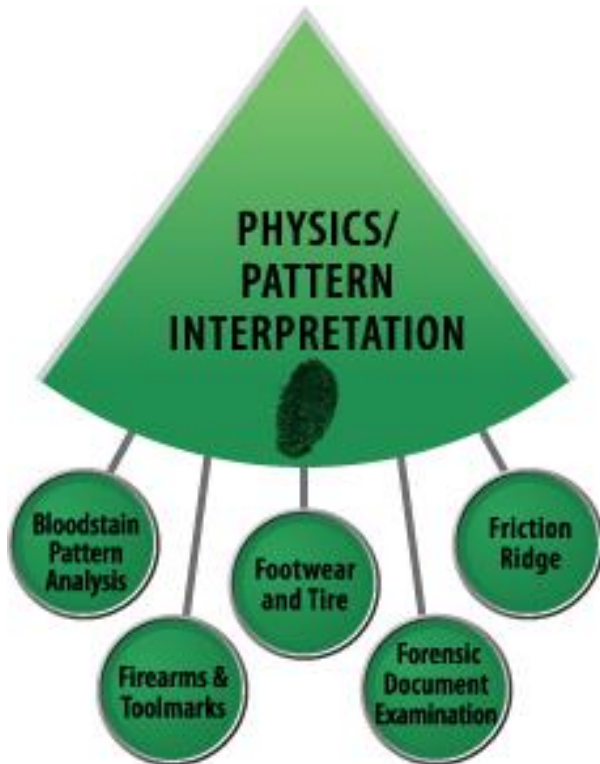
International Association for Identification

104<sup>th</sup> International Educational Conference

Reno, NV



# Bloodstain Pattern Analysis



- The Bloodstain Pattern Analysis Subcommittee will focus on standards and guidelines related to the scientific detection and analysis of bloodstain patterns present at crime scenes and on associated evidence.

# BPA SUBCOMMITTEE MEMBERSHIP & AFFILIATES

- All members are limited to 2 consecutive terms. After which they must step away for 1 year\*.
- The 1<sup>st</sup> cycle of members leaving the BPA Subcommittee due to term limits is occurs on September 30, 2019.
- To become an OSAC member, you must complete an OSAC application at <https://www.nist.gov/forensics/osac-application.cfm>.
- The BPA Subcommittee currently has 50+ BPA experts that have volunteered to be affiliates. They represent 6 countries, public, private, academia, law enforcement, crime scene investigations, crime laboratory, and judicial sectors.
- \*Term limited members may return immediately if appointed to a different committee or subcommittee. For all members, appointment to a new committee or subcommittee starts the term limit clock over at zero.



# BPA Subcommittee Leadership



Position	Name	Organization	Term	Email
Chair	<b>Toby L. Wolson, M.S.*</b>	Noslow Forensic Consultations, LLC	2019	toby.wolson@gmail.com
Vice Chair	<b>Jeff Gurvis</b>	National Forensic Support Laboratory	2021	Jeff.gurvis@nflslab.com
Executive Secretary	<b>Holly Latham*</b>	Kansas Bureau of Investigation	2019	bloodstainanalyst@live.com

\*2019 Term limited member of the Physics/Pattern Interpretation Scientific Area Committee (PSAC)

\*2019 Term limited member of the BPA Subcommittee



# BPA Subcommittee Members



‡End of first term September 30, 2019

\*2019 Term limited member of the BPA Subcommittee

#	Name	Organization	Term	Email
1	Tom J. Griffin	Bevel, Gardner & Associates	2020	grifclue@comcast.net
2	Cristina Gonzalez‡	Los Angeles Sheriff's Department	2019	ccgonzal@lasd.org
3	Kenneth Martin, MS*	Bevel, Gardner & Associates	2019	kf.martin@verizon.net
4	Stephen Michielsen, PhD	North Carolina State University	2021	smichie@ncsu.edu
5	Jeremiah Morris	Johnson County Sheriff's Office	2020	jeremiah.morris@jocogov.org
6	Elizabeth Pierri, MSFS	Naval Criminal Investigative Service	2020	elizabeth.pierri@ncis.navy.mil
7	Susan Rinehart	LAPD Crime Laboratory	2021	g9670@lapd.online
8	Elizabeth Richards, PhD	USAF Office of Special Investigations	2020	elizabeth.richards@us.af.mil
9	Celestina Rossi	Montgomery County Sheriff's Office	2020	celestina.rossi@mctx.org
10	Jason S. Simser, PhD*	MN Bureau of Criminal Apprehension	2019	jason.simser@state.mn.us
11	LeeAnn Singley, MS	Grayson Singley Associates	2021	lsingleygsa@msn.com
12	Gabriele Suboch, PhD*	Northcentral University	2019	forensics25@hotmail.com
13	Peter Valentin, PhD	University of New Haven	2020	pvalentin@newhaven.edu
14	Haonan Wang, PhD	Colorado State University	2021	wanghn@stat.colostate.edu
15	Gary Wilgus	Ohio Bureau of Criminal Investigation	2020	gary.wilgus@ohioattorneygeneral.gov
16	Kevin Winer	Kansas City Police Department	2021	kevin.winer@kcpd.org
17	Vacant as of May 2019			

# New BPA Subcommittee Members: October 1, 2019



#	Name	Organization	Term	Email
	<b>BPA SC Chair</b>			
1	<b>Holly Latham</b>	Kansas Bureau of Investigation	2022	bloodstainanalyst@live.com
	<b>BPA SC Members</b>			
2	<b>Nicole Blackwell</b>	Kansas City Police Department	2022	Nicole.Blackwell@kcpd.org
3	<b>Todd Crosby</b>	Georgia Bureau of Investigation	2022	Todd.Crosby@gbi.ga.gov
4	<b>Rebecca Hooks</b>	Illinois State Police	2022	Rebecca_Hooks@isp.state.il.us
5	<b>Lauren Sautkulis</b>	San Diego County Sheriff's Dept.	2022	Lauren.Sautkulis@sdsheriff.org
6	<b>Toby L. Wolson, M.S.</b>	Noslow Forensic Consultations, LLC	2022	Toby.Wolson@gmail.com



# Past BPA Subcommittee Members



#	Name	Organization	Served	
1	<b>Almon Brown</b>	S.C. Law Enforcement Division (SELD)	2014-2016	
2	<b>Kim Clements, MSFS</b>	D.C. Consolidated Forensic Laboratory	2014-2018	
2	<b>Peter De Forest, DCrim</b>	Retired Professor/Consultant	2014-2017	
3	<b>Leah Innocci</b>	Wyoming State Crime Laboratory	2014-2019	
4	<b>James O. Pex, MS</b>	International Forensic Experts, LLC	2014-2016	
6	<b>Ralph R. Ristenbatt, III</b>	The Pennsylvania State University	2014-2016	
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				

# AAFS Academy Standards Board (ASB)

<https://www.asbstandardsboard.org/>



The OSAC BPA Subcommittee is using the Academy Standards Board as the Standards Development Organization (SDO) for completed documents. The ASB has three types of documents.

- Standards (S)
- Technical Report (TR)
- Best Practice Recommendations (BPR)





# Documents Published by the ASB

- ASB Technical Report 033, Terms and Definitions in Bloodstain Pattern Analysis, 1<sup>st</sup> Edition, 2017
- ANSI/ASB Standard 072, Standard for Validation of Procedures in Bloodstain Pattern Analysis, 1<sup>st</sup> Edition, 2019

<http://www.asbstandardsboard.org/published-documents/bloodstain-pattern-analysis-published-documents/>



# Documents at the ASB

- ANSI/ASB Standard 030, Standard for a Quality Assurance Program in Bloodstain Pattern Analysis, 1<sup>st</sup> Edition; Ready for public comment
- ANSI/ASB Standard 031, Guidelines for Report Writing in Bloodstain Pattern Analysis, 1<sup>st</sup> Edition - Awaiting publication approval
- ANSI/ASB Standard 032, Standards for a Bloodstain Pattern Analyst's Training Program, 1<sup>st</sup> Edition; Open for recirculation\* public comment until 09/23/19 ‡

‡ <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>

\* Re-circulation is only accepted on revised sections of a document, comments made to text not revised from the original public comment period will not be accepted.

# Documents in the OSAC Registry Approval Process



- ASB Technical Report 033, Terms and Definitions in Bloodstain Pattern Analysis, 1<sup>st</sup> Edition, 2017
- ANSI/ASB Standard 072, Standard for Validation of Procedures in Bloodstain Pattern Analysis, 1<sup>st</sup> Edition, 2019



# Documents at the PSAC for Review and Comment\*



- Guideline for Proficiency Testing in Bloodstain Pattern Analysis
- Standards for Developing Standard Operating Procedures in Bloodstain Pattern Analysis

\*The documents are also sent to the 3 OSAC resource committees for review and comment.

- Human Factors Committee
- Legal Resource Committee
- Quality Infrastructure Committee



# Terminology Task Group



- Methodology for the classification of bloodstain patterns (Taxonomy): Nearing 1<sup>st</sup> draft completion for discussion by the SC

**Task Group Name:** Terminology

**Task Group Chair Name:** Jeremiah Morris

**Task Group Chair Contact Information:**

[jeremiah.morris@jocogov.org](mailto:jeremiah.morris@jocogov.org)



# Reports and Validation Task Group

- Methodology for performing bloodstain pattern analysis: 1<sup>st</sup> draft nearing completion

**Task Group Name:** Reports and Validation  
**Task Group Chair Name:** Tom Griffin  
**Task Group Chair Contact Information:**  
grifclue@comcast.net

# Training and Education Task Group

- Standard for a Certification Program for Bloodstain Pattern Analysts: 1<sup>st</sup> draft nearing completion

**Task Group Name:** Training and Education  
**Task Group Chair Name:** Kenneth Martin  
**Task Group Chair Contact Information:**  
kf.martin@verizon.net

# Quality Assurance and Standard Operating Procedure Task Group



- Standard for technical review of BPA reports: 1<sup>st</sup> draft nearing completion

**Task Group Name:** QA and SOP  
**Task Group Chair Name:** LeeAnn Singley  
**Task Group Chair Contact Information:**  
lsingleygsa@msn.com





# Research Task Group



- Standard for Documentation and Review of Case Experimentation: Work in progress
- BPA Research needs: Updated July 2019
- BPA Process Map: Being tested for gaps
- BPA Bibliography: Updated through December 2018

**Task Group Name:** BPA Research

**Task Group Chair Name:** Kevin Winer

**Task Group Chair Contact Information:**

kevin.winer@kcpd.org

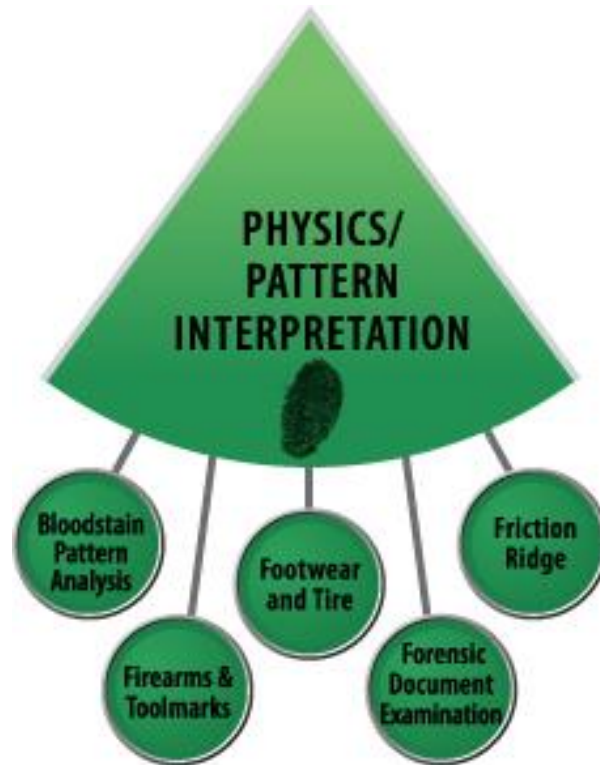


## **OSAC BPA Subcommittee Webpage**

- <https://www.nist.gov/topics/forensic-science/bloodstain-pattern-analysis-subcommittee>

## **OSAC Webpage**

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



Questions?