



Priority Action Report

Bloodstain Pattern Analysis Subcommittee

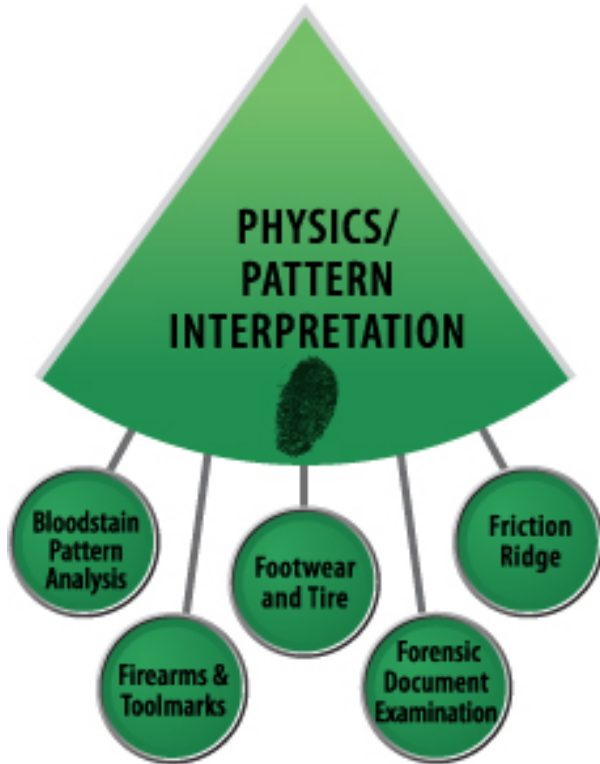
Physics\Pattern Scientific Area Committee

Peter Valentin, PhD

February 14, 2017



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.



Subcommittee Leadership

Position	Name	Organization	Term	Email
Chair	Toby L. Wolson, M.S.	Noslow Forensic Consultations, LLC	2019	toby.wolson@gmail.com
Vice Chair	Jeff Gurvis	National Forensic Support Laboratory	2018	Jeff.gurvis@nflslab.com
Executive Secretary	Holly Latham	Kansas Bureau of Investigation	2019	bloodstainanalyst@live.com

*3 year terms started October 1, 2016



Subcommittee Members



#	Name	Organization	Term	Email
1	Kim Clements, MSFS	D.C. Consolidated Forensic Laboratory	2017	kimberly.clements@dc.gov
2	Peter De Forest, DCrim	Retired Professor/Consultant	2018	prdeforest@gmail.com
3	Tom J. Griffin	Bevel, Gardner & Associates	2017	grifclue@comcast.net
4	Cristina Gonzalez	Los Angeles Sheriff's Department	2019	ccgonzal@lasd.org
5	Leah Innocci	Wyoming State Crime Laboratory	2019	Innocci1@gmail.com
6	Kenneth Martin, MS	Bevel, Gardner & Associates	2019	kf.martin@verizon.net
7	Stephen Michielsen, PhD	North Carolina State University	2018	smichie@ncsu.edu
8	Jeremiah Morris	Johnson County Sheriff's Office	2017	jeremiah.morris@jocogov.org
9	Elizabeth Pierri, MSFS	Naval Criminal Investigative Service	2017	elizabeth.pierri@ncis.navy.mil
10	Elizabeth Richards, PhD	USAF Office of Special Investigations	2017	elizabeth.richards@us.af.mil
11	Jason S. Simser, PhD	MN Bureau of Criminal Apprehension	2019	jason.simser@state.mn.us
12	LeeAnn Singley, MS	Grayson Singley Associates	2018	lsingleygsa@msn.com
13	Gabriele Suboch, PhD	Northcentral University	2019	forensics25@hotmail.com
14	Peter Valentin, PhD	University of New Haven	2017	pvalentin@newhaven.edu
15	Haonan Wang, PhD	Colorado State University	2018	wanghn@stat.colorado.edu
16	Gary Wilgus	Ohio Bureau of Criminal Investigation	2017	gary.wilgus@ohioattorneygeneral.gov
17	Kevin Winer	Kansas City Police Department	2018	kevin.winer@kcpd.org

Past Subcommittee Members



#	Name	Organization	Term	Email
1	Almon Brown	S.C. Law Enforcement Division (SELD)		
2	James O. Pex, MS	International Forensic Experts, LLC		
3	Ralph R. Ristenbatt, III	The Pennsylvania State University		
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BPA SUBCOMMITTEE AFFILIATES

- 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.
- Addition of affiliates to task groups is based on the needs of the task group and the specific BPA expertise of the affiliate.
- To become an OSAC affiliate, it is recommended that you complete an OSAC application at <https://www.nist.gov/forensics/osac-application.cfm>.





AAFS Standards Board (ASB)

The OSAC BPA Subcommittee will be using the AAFS Standards Board (ASB) 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)





Terminology Task Group

Priority Level: **High**

- OSAC identified terminology as a priority.
- The task group has reviewed and updating the BPA terminology that was developed by the Scientific Working Group on Bloodstain Pattern Analysis (SWGStain) and has started working on several new documents.

Task Group Name: Terminology

Task Group Chair Name: Jeremiah Morris

Task Group Chair Contact Information:

jeremiah.morris@jocogov.org





Terminology Task Group

Work Product

Title	Origin of Document(s)	Suggested OSAC Process
BPA Terminology	SWGStain	ASB: Technical report
Development of Conclusion Statements for Bloodstain Pattern Identifications	OSAC	ASB: Technical report
Development of Conclusion Statements for Bloodstain Pattern Reconstructions	OSAC	ASB: Technical report
Development of BPA Taxonomy	OSAC	ASB: Technical report





Terminology Task Group

Work Product Update:

- **The BPA terminology document was reformatted for submission to the ASB and has been submitted to the Physics\Pattern Scientific Area Committee (P\P SAC) for review and comment.**
- The task group has developed conclusion statements for bloodstain pattern identifications. The conclusion statements have been uploaded to KAVI for review and have been discussed during several virtual meetings of the subcommittee.
- The task group is working on developing conclusion statements for BPA reconstructions.
- The task group is developing BPA taxonomy for use in classification of bloodstain patterns.





Reports and Validation Task Group

Priority Level: **High**

- The task group has reviewed and updated the report writing and validation guidelines that were originally developed by SWGStain.

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





Work Product

Title	Origin of Document(s)	Suggested OSAC Process
Guidelines for Report Writing in Bloodstain Pattern Analysis	SWGStain	ASB: Best practice recommendation
Guidelines for the Validation of New Procedures in Bloodstain Pattern Analysis	SWGStain	ASB: Standard





Update:

- **The Report writing document was reformatted for submission to the ASB and has been submitted to the P\P SAC for review and comment.**
- The task group has completed review and update of the validation document. The document has been uploaded to KAVI for review and will be discussed by the entire BPA subcommittee at a future virtual meeting.





Training and Education Task Group

Priority Level: **High**

- The task group has reviewed and updated the SWGStain guidelines for the minimum training and educational requirements of a bloodstain pattern analyst.
- The task group will be developing guidelines for a BPA certification program as its next document.

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





Work Product

Title	Origin of Document(s)	Suggested OSAC Process
Guidelines for the Minimum Education and Training Requirements For Bloodstain Pattern Analysts	SWGStain	ASB: Standard
Guidelines for a BPA Certification Program	New	ASB: Standard





Training and Education Task Group

Work Product Update:

- The training and education document is being reformatted for submission to the ASB and will be put up for a final vote by the subcommittee upon completion. The projected date for the document to be forwarded to the P\P SAC is March 1, 2017.
- The task group will begin document development of guidelines for a BPA certification program upon completion of the training and education document.





Quality Assurance and Standard Operating Procedure Task Group

Priority Level: **High**

- The task group has reviewed and updated the SWGStain guidelines for a BPA quality assurance program, the SWGStain guidelines for standard operating procedures in BPA, and the SWGStain guidelines for a BPA proficiency test.

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



QA and SOP Task Group



Work Product

Title	Origin of Document(s)	Suggested OSAC Process
Guidelines for a Quality Assurance Program in Bloodstain Pattern Analysis	SWGStain	ASB: Standard
Guidelines for Developing Standard Operating Procedures for Bloodstain Pattern Analysis	SWGStain	ASB: Standard
Guidelines for Proficiency Testing in Bloodstain Pattern Analysis	SWGStain	ASB: Standard





QA and SOP Task Group

Work Product Update:

- The task group has reviewed and updated the SWGStain QA guidelines. The QA guidelines were forwarded to the OSAC Resource Committees (RC) for comment. RC comments were adjudicated during the OSAC meeting in Phoenix, AZ. **The document has been reformatted for ASB submission and the BPA subcommittee has voted to return the document to the P/P SAC for review and comment.**
- The task group has completed review and update of the SOP and the proficiency test documents. The documents have been uploaded to KAVI for review and will be discussed by the entire BPA subcommittee at a future virtual meeting.





Research Task Group

Priority Level: **High**

- The task group is responsible for the identification of BPA research needs and identifying existing published BPA research.

Task Group Name: BPA Research

Task Group Chair Name: Kevin Winer

Task Group Chair Contact Information:

kevin.winer@kcpd.org





Research Task Group

Work Product

Title	Origin of Document(s)	Suggested OSAC Process
Identify BPA research needs		
Identify published BPA research articles		
BPA Process Map	SWGStain	BPA OSAC Webpage



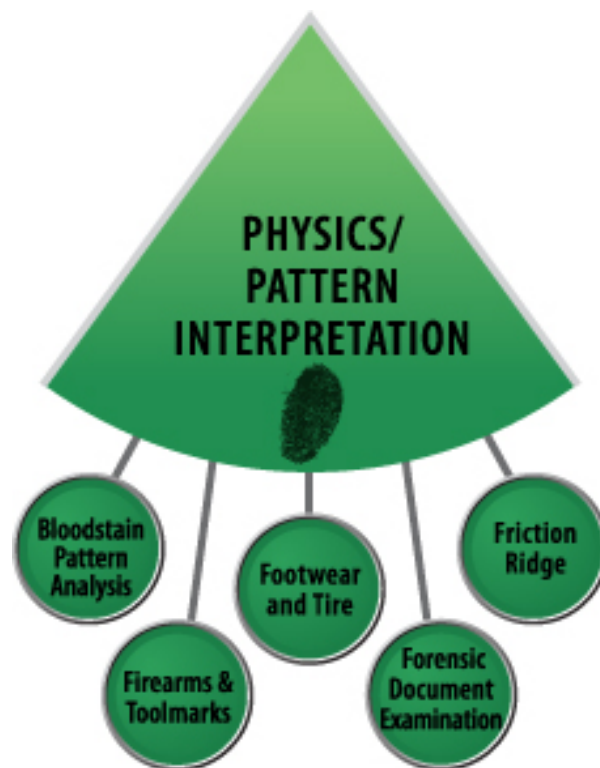


Research Task Group

Work Product Update:

- The task group continues to identify BPA research needs. The current list of BPA research needs is available on NIST.gov (<https://www.nist.gov/topics/forensic-science/osac-research-development-needs>)
- The task group continues to identify BPA research publications.
- The task group is updating and completing a BPA process map that was started by the SWGStain Training and Education Subcommittee.





Questions?