

BPA Training for Crime Scene Professionals

Lead Trainer

Jo Millington BSc (Hons) MSc PGCert MIABPA MCSFS, a BPA scientist with over 25 years experience in forensic science and more than 20 years in the design of BPA training courses which she has delivered to practitioners from all over the world.

Course Duration

Face-to-face training: 1-day

Course Structure

Lectures
Wet-blood practical sessions.

Lecture 1: Review of Blood Dynamics

Lecture 2: Main Bloodstain Pattern Types

Lecture 3: Documenting / Sampling BPA

Lecture 4: Scientific Approach to BPA

Practical 1: Blood Dynamics

Practical 2: Main Bloodstain Pattern Types

Practical 3: Simulated Assault Scenario

Course Language

English



Contact Details

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AIMS & LEARNING OUTCOMES

BLOOD DYNAMICS & BLOODSTAIN FORMATION

In this session we will review the key learning points from the Introduction to BPA online course as they relate to blood drops and bloodstain formation. Recap on the frameworks available to identify and classify bloodstain patterns, with reference to standardised terminology,

BLOODSTAIN CLASSIFICATION

In this session we will investigate the parameters that influence bloodstain morphology, including target surface characteristics and blood volume, using high-speed videos and in practice.

MAIN SPATTER PATTERNS

In this session you will build on your awareness of the main spatter patterns: drip, impact, gunshot-generated, expiration, cast-off & projected bloodstains and have an opportunity to observe and interpret some of the patterns in practice using Objective Criteria.

ALTERED BLOOD & TRANSFER PATTERNS

In this session you will build on your awareness of altered blood, including artefacts that are due to adulteration or insect activity, blood deposited as a result of contact and transfer mechanisms and blood enhancement techniques.

SCIENTIFIC APPROACH TO BPA

In this session you will further consider the scientific principles as they relate to BPA, including how to document BPA. You will also look at the ways in which BPA can be used in an investigation, using casework examples, in order to understand its strengths and limitations. The session includes a simulated-assault scenario in which you can consider your expectations of blood transfer.

RESOURCES

Crime Scene to Court: [The Essentials of Forensic Science \(Edition 5\)](#). N NicDaeid, P. White (ed). Chapter 4 - Bloodstain Pattern Analysis / Jo Millington. ISBN 978-1-83916-800-0

Strengthening Forensic Science in the United States: A Path Forward. National Research Council / [National Academy of Sciences Report 2009](#) (accessed 01-2024) ISBN: 0-309-13131-6

International Association of Bloodstain Pattern Analysts (IABPA) - [website](#) and [IABPA Resource Links](#)

The Organization of Scientific Area Committees (OSAC) for Forensic Science: [Bloodstain Pattern Analysis Subcommittee](#)

ASB Technical Report 033, First Edition 2017 [Terms and Definitions in Bloodstain Pattern Analysis](#)