Millington Hingley
Forensic Scientists

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POLLY AYRES
FORENSIC SCIENTIST

Professional Profile

I began my training as a Forensic Scientist with the Forensic Science Service (FSS) in London, in 2000, and worked as a Senior Forensic Scientist, specialising in body fluid interpretation, blood pattern analysis and DNA interpretation. I have been involved in the forensic investigation of many cases including major incidents and complex cases. I have provided expert scientific evidence on numerous occasions in courts across England, including high-profile investigations. I now work as a Forensic Scientist within Millington Hingley Ltd. and provide comprehensive review of forensic casework.

My areas of expertise include the interpretation of body fluid staining, bloodstain pattern analysis, interpretation of complex DNA results, transfer and persistence of DNA and body fluids, and the contextual evaluation of biological evidence.
I also have a strong background in academia and held a lecturing position at the University of Winchester delivering teaching on modules within the BSc (Hons) Forensic Investigation and Forensic Science programmes.

Academic Profile

I have a Bachelor of Science Honours degree and Master of Science in Palaeobiology. I hold a postgraduate qualification in Teaching and Learning in Higher Education and am a Fellow of the Higher Education Academy. I supplement this foundation with on-the-job training and CPD. I am also a professional member of the International Association of Bloodstain Pattern Analysts. I deliver teaching at various UK universities on their forensic education programmes, and I am a contributing author to forensic textbook/articles.

Scientific Expertise

I am a forensic biologist specialising in the interpretation and evaluation of body fluid evidence, complex DNA results and bloodstain pattern analysis. I am driven by delivering high quality, evidence-based forensic science and provide comprehensive scientific reports which clearly communicate the relevant forensic issues and provide contextual evaluation.

My key skills are:

- Evidence-based interpretation of forensic science
- Evaluation of scientific evidence
- Body fluid analysis and interpretation, including transfer and persistence issues
- DNA interpretation (including complex mixtures), specialist statistical analysis (STRMix, LiRa)
- Blood Pattern Analysis (BPA), including interpretation of bloodstain distribution evidence and expectations of blood transfer in case scenarios
- Laboratory examination of items in a DNA-controlled environment
- Case review, including cold case, sexual offences and major/critical incidents
- Expert witness [UK experience]
- Scientific Advisor

I also offer:

- BPA Training
- Case Assessment and Interpretation Training
- Customer-focused knowledge transfer & CPD