

**LYNNE HINGLEY BSc (Hons)**  
**Senior Forensic Scientist**

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## **Professional Profile**

I am a Senior Forensic Scientist with over 19 years experience in the field of forensic science, which includes 13 years experience of high profile multi-disciplinary complex casework. My career started at the Forensic Science Service, Lambeth Laboratory where I was employed in the DNA unit as an analyst processing both PACE and crime scene samples, and subsequently as a Forensic Scientist in the Sexual Offences team. Most recently I was employed at LGC Forensics Ltd, Teddington Laboratory as a Lead Scientist, Sexual Offences Forensic Advisor and DNA lead for Teddington. I currently hold the position of Senior Forensic Scientist at ArroGen Forensics Ltd.

Over my career, I have been involved in the forensic investigation of hundreds of major incidents. I have reported all aspects of forensic biology including, evaluation and interpretation of body fluids, DNA interpretation and evaluation, using both standard and specialist methods and blood pattern analysis (BPA). I have given expert scientific evidence, including in many high-profile forensic investigations, in courts across England and Wales and also via video link to New Zealand for the prosecution and defence. I have received commendations and letters of appreciation from the Metropolitan Police Service, The British Transport Police, Bedfordshire Police, CPS and judiciary which demonstrate my tenacity, professionalism and my commitment to delivering excellence.

I specialise in the review of sexual offence cases and the evaluation of DNA profiling results, including complex mixtures and those generated using high sensitivity techniques.

I have a track record of delivering training and guidance to Defence Counsel, Crown Prosecutors and Police Officers in areas of Forensic Biology and the Interpretation and Evaluation of Scientific Evidence. I am also a visiting lecturer at South Bank University, London on their Undergraduate programme.

## **Academic Qualifications**

### **Graduate Qualification**

1994 – 1997 BSc(Hons) Biological Sciences (Genetics and Zoology) University of Wales, Swansea, UK

## **Forensic Science Career**

I am an experienced forensic practitioner with extensive experience in forensic casework. I am currently a senior scientist at ArroGen Forensics Ltd and a member of the training team, including in Sexual Offences, DNA interpretation and BPA. I began my career at the Forensic Science Service and moved to LGC Forensics, where I was a Lead Scientist (Biology) before joining ArroGen Forensics. I am also a visiting lecturer at South Bank University.

### **Areas of Expertise**

- Body fluid analysis & interpretation, including transfer & persistence
- DNA interpretation, including NGM, specialist techniques such as YSTR & statistics
- Blood Pattern Analysis (BPA), including expectations of blood transfer
- Sexual Offences Forensic Advisor
- Quality management and validation of new DNA processes.
- Utilisation of the National DNA and Missing Persons Database and Interpol.
- Trainer and mentor - DNA interpretation, report writing and DNA mixture interpretation, expert witness.

## Key Achievements

- Part of the DNA Interpretation Group who derived the national guidelines for the interpretation of DNA profiles.
- SPOC during operation Withern (London Riots) [Director of Forensic Services, Metropolitan Police Service recognition].
- Lead role in Operation Webform (series of high value armed robberies), following my identification of flaws in the processes followed by a previous forensic service provider. Provided written reports covering this and three other cases I identified in a timely manner for disclosure to the regulator and re-opening of the entire operation. I received a commendation from the Metropolitan Police Service for my 'tenacity and professionalism' in this complex operation.
- Providing training to multi-agency practitioners and university students on the topics of DNA profiling interpretation and evaluation and body fluid identification and interpretation
- Provided extensive training courses and presentations covering range of topics including case assessment, mixture interpretation, sexual offences and best practice for recovery of DNA to a number of Police Forces.
- Key LGC scientific contact for the Metropolitan Police and British Transport Police contracts

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## Recent Invited Contributions

2016 and 2017      ArroGen Seminar CPD Program: Sexual Offence Investigation  
**Gordon Museum, Guy's Hospital, London, UK**

2017                BPA Training for Universities course  
**London South Bank University**

Intermediate BPA Training (40-hour IABPA Course)  
**Gendarme and Police Forensic Training Facility, Turkey**

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## Key BPA Training Courses

2016	Advanced BPA Training	Thames Valley Police Training College, UK
2015	Intermediate BPA Training (40-hour IABPA course)	Thames Valley Police Training College, UK
2005	BPA Training (40-hour IABPA course)	Metropolitan Police Service, UK [P. Kish & S. James, USA]

## Awards and Commendations.

- Metropolitan Police Service, Operational Command Unit Commendation (2013) for tenacity, professionalism and operational support in a complex investigation – Operation Webform