

**SARAH JACOB BSc, DPhil, BSc (Double Hons)**  
**Reporting Forensic Scientist**

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## **Professional Profile**

A highly competent Reporting Forensic Scientist with over 17 years' experience in marks and trace evidence, having successfully dealt with numerous high profile complex cases. An experienced lecturer and trainer in forensic science who has taught at a number of universities and has devised and delivered numerous training courses for police, the armed forces and foreign law enforcement agencies.

## **Academic Qualifications**

Post-Doctoral Research Associate

Arizona State University, Department of Chemistry and Biochemistry, Tempe, Arizona, USA

DPhil, Physical Chemistry

Christ Church, University of Oxford, UK

CASE (Collaborative Award in Science and Engineering) studentship awarded by Shell UK Ltd

BSc (Double Hons), Chemistry with Professional Training

Registered Forensic Practitioner (CRFP) from 2003 to close of CRFP in 2009

Awarded the Institute of Leadership and Management (ILM) Endorsed Award for Trainer Skills

Infrared Spectroscopy Training Course run by Infrared and Raman Consultants Geoffrey Dent and John Chalmers

ENFSI training course Quantitative Analysis of Glass Fragments

ENFSI training course Microscopic Examination of Paint Fragments

## **Forensic Science Career**

### **CAREER SUMMARY**

#### **Reporting Forensic Chemist**

Forensic Access (formerly Arrogen Forensics Ltd, formerly Manlove Forensics) (2013-Present)

#### **Reporting Forensic Chemist**

Forensic Access (2012-2013)

#### **Lecturer in Forensic Science**

London Metropolitan University (2010-Present)

University of the West of Scotland (2013)

University of Abertay, Dundee (2013)

London South Bank University (2006-2012)

#### **Forensic Trainer for Kenyan Government Chemist Laboratory in Nairobi**

Geos International Consulting (2012)

#### **Senior Forensic Scientist**

Forensic Science Service Ltd (2005-2012)

#### **Forensic Scientist**

Forensic Science Service Ltd (2001-2005)

SARAH JACOB

Reporting Forensic Scientist

### **Forensic Science Casework**

- Expertise covers a wide range of marks (footwear, tyre and glove marks) and trace (glass, paint, lachrymators, sexual lubricants and other chemical and particulate traces) evidence
- Recognised as highly skilled in the assessment, strategy setting, comparison and detailed interpretation of complex cases. Has successfully completed numerous cases at the laboratory including complex murder and other serious high profile cases incorporating joint examinations with other evidence types
- Successfully carried out scene examination at high profile crime scenes including recovery of footwear mark evidence
- Performed critical findings checks on active casework including footwear mark evidence to provide quality assurance that observations and conclusions were scientifically accurate and robust
- Provided clear and concise presentation of results as statements and orally at Court including high profile murder cases at the Central Criminal Court (Old Bailey). Ensured that evidence was clearly presented in terms understandable to the layman, while maintaining scientific accuracy
- Routinely provided scientific expertise on behalf of the defence which was subsequently used as part of the defence case at Court

### **Any other relevant information**

- Designed and delivered training courses for police forces, SO15 Counter Terrorism Command and the armed forces, resulting in an improved quality in forensic submissions with excellent feedback received
- Extensive experience in the training and mentoring of colleagues including those who went on to successfully pass footwear modules at the College of Policing
- Regularly gave articulate and interesting presentations to the media – interviews broadcast on BBC Radio 1 and Radio 4 and BBC1's 'Bang Goes the Theory'. Interviewed for a number of nationally circulated newspapers and 'Focus' magazine
- An invited speaker at a number of conferences including the ACPO (Association of Chief Police Officers) National Road Death Investigation Conference 2009 and the Spring Meeting of The Forensic Science Society 2010 which succeeded in raising the profile of Forensic Science Service Ltd to customers
- Consistently delivered high quality lectures to forensic science BSc and MSc students covering analytical techniques and marks and trace evidence with excellent feedback received from both students and the course leader on the engaging delivery style