

# JENNEFER GRAY

## FORENSIC SCIENTIST

### QUALIFICATIONS

- Bachelor of Science (Honours) in Molecular Biology & Biochemistry, Durham University (1998)
- Master of Science in Forensic Science, University of Strathclyde (1999)
- Member of The Royal Society of Chemistry
- Technician of the Institution of Fire Engineers
- Member of the UK Association of Fire Investigators
- Member of the International Association of Arson Investigators

### CONTACT

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### EXPERIENCE AND EXPERTISE

Ms Gray has been employed as a forensic consultant since 2001 and is instructed in around 300 forensic chemistry cases each year involving the following casework areas:

- **Alcohol and drink driving** - alcohol calculations and interpretation of breath, blood and urine analyses in relation to alcohol technical defences (post-driving drinking, laced drinks, drunk in charge, failure to provide).
- **Alcohol toxicology** – interpretation of toxicology analyses and effects of alcohol in criminal and civil cases.
- **Drug driving** - interpretation of blood and urine analysis in relation to Section 5A RTA drug driving (prescribed limit). Post-driving, effects of medications, and unwitting consumption of drugs/medications.
- **Fire investigations** – fire origin and cause determination; interpretation of ignitable liquid analysis.
- **Gunshot residues** – the interpretation and significance of reported findings.
- **Incapacitants sprays** – the use and effects of CS, PAVA and other irritant sprays. Interpretation of analyses of seized canisters.
- **Explosives** – improvised explosives and improvised explosive devices and their manufacture; assessment of functionality, viability and potential; interpretation of data from explosives analysis; explosives applications for domestic chemicals.

Ms Gray has completed the Bond Solon Court Skills course, and regularly attends Crown, Magistrates' and Sherriff's courts to advise and give expert evidence in the above casework areas. She has worked for both Prosecution and Defence, and has attended over 60 courts in the last 3 years. She is also responsible for the quality review of reports prepared by other experts at Keith Borer Consultants, totalling around 200 annually.

Keith Borer Consultants operates a Continuous Professional Development Scheme for all staff. Within this scheme Ms Gray attends conferences and training courses, keeps up to date with scientific literature, undertakes peer reviewed external competency assessments and provides internal training to colleagues.