

# ALLIANCE FORENSICS LABORATORY & CONSULTANTS

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Areas of  
Expertise:

Firearms Identification - Microscopic examinations and comparisons of ammunition/components with suspected firearms  
Tool mark Identification - Microscopic examinations and comparisons of tool marks with suspected tools  
Firearms design, operability, defects, alterations and conversions, modifications and accidental discharge  
Ammunition Examinations - Cartridge manufacture and source determination of ammunition components  
External/terminal ballistics calculations/determinations (trajectory, ricochet, penetration, etc.)  
Distance determination (range of fire) from GSR deposits or pellet patterns on skin, clothing, or other objects  
Gunshot residue testing involving the chemical analysis for lead or nitrite residues  
Gun Range Consultations - design, safety, etc.  
Examinations of Locks, safes, alarm mechanisms, etc. for signs of tampering, toolmarks, etc.  
Shooting Scene Reconstruction  
Shooting Accidents  
Firearms Product Liability Testing  
Computer Animations, Illustrations and Simulations of shooting related incidents  
Firearms Explosions  
Demonstrative Evidence

Services:

We offer the services of experienced Forensic Scientists for the legal and insurance community.

Professional  
Experience:

Every expert at Alliance has many years of experience in the Forensic Sciences and courtroom experience in their field of expertise.

Education/  
Training:

All consultants at Alliance are college degreed graduates in the physical sciences.

Professional  
Affiliations:

American Academy of Forensic Sciences  
Distinguished member, Association of Firearms & Toolmarks Examiners  
Southern Association of Forensic Scientists  
Southwestern Association of Forensic Scientists  
American Society of Crime Lab Directors

Contact:

**FOR MORE DETAILED CURRICULA VITAE OR RESUMES CALL OR CONTACT MR. RICHARD ERNEST, LISTED ABOVE.**