

## EDELYN O. ACKER

Massachusetts State Police Crime Laboratory  
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### EDUCATION

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M.S. Biotechnology, Johns Hopkins University, Baltimore, MD  
B.S. Biology, Cum Laude, Pontifical Catholic University of Puerto Rico, Ponce, PR

### LABORATORY EXPERIENCE

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#### **Forensic Scientist III, Massachusetts State Police Crime Laboratory Criminalistics Unit, Maynard, MA**

August 2013 – Present

- Supervision of Forensic Scientist IIs
- Assign cases to analysts
- Technical review of reports
- Analysis of evidence collected from Crime scenes or submitted by law enforcement agencies using approved chemical, physical, and microscopic protocols
- Write reports of laboratory examinations and results
- Assist in validation projects
- Respond to crime scenes and properly document and collect evidence as required
- Provide expert witness testimony in court

#### **Acting Forensic Scientist IV, Massachusetts State Police Crime Laboratory Criminalistics Unit, Maynard, MA**

June 2021 – January 2022

- Determine the content of training presentations to be delivered to internal and external personnel relative to analytic, testing and sampling procedures
- Conduct investigations of quality control within the unit
- Supervise validation studies for laboratory sections
- Conduct internal audits according to established procedures

#### **Forensic Scientist I/II (formerly Chemist I/II), Massachusetts State Police Crime Laboratory Criminalistics Unit, Maynard, MA**

July 2008 – August 2013

- Analysis of evidence collected from Crime scenes or submitted by law enforcement agencies using approved chemical, physical, and microscopic protocols
- Write reports of laboratory examinations, findings and results
- Technical review of reports
- Respond to crime scenes and properly document and collect evidence as required
- Provide expert witness testimony in court

#### **Criminalist I, Baltimore City Police Department Drug Analysis Unit, Baltimore, MD**

July 2006 – July 2008

- Certified by Maryland State Department of Health and Mental Hygiene to perform approved tests to identify marijuana, cocaine and heroin
- Provide expert witness testimony in juvenile and circuit court
- Write reports of laboratory examinations, findings and results

#### **Senior Research Technician, Johns Hopkins University, Baltimore, MD**

April 2002 – July 2006

- Perform PCR for cloning and analysis of genetic constructs

Mme 7/18/22

- Isolate and purify DNA and RNA from cell culture for sequence analysis
- Purify proteins using FPLC with various columns for the purpose of antibody production
- Present results and conclusions at lab meetings and annual departmental seminars

#### **PROFESSIONAL DEVELOPMENT**

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May 2019 The Fluid Dynamics of Bloodstain Pattern Analysis, Dr. Mark Jermy and Ms. Rosalyn Rough (40hrs)  
 March 2017 Advanced Bloodstain Pattern Analysis and Introduction to Bloodstain Pattern Analysis on Fabrics, LeeAnn Singley and Toby Wolson (40hrs)  
 August 2016 Sexual Assault Kit Backlog Training, Sorenson Forensics  
 May 2016 Basic Bloodstain Pattern Analysis Workshop, LeeAnn Singley (40hrs)  
 April 2016 Trace Evidence Awareness and Hair Examination Workshop, Ted R. Schwartz and Clyde Wells (40hrs)  
 February 2016 Biohazard Training, 24Hr Trauma  
 September 2015 Root Cause Analysis for Forensic Scientists, Sorenson Forensics (8hrs)  
 February 2015 Making the Transition from Staff to Supervisor, Fred Pryor Seminar (8hrs)  
 May 2014 Supervisor Leadership Training, Exceeda Consulting, Inc. (8hrs)  
 April 2013 What Makes a Credible Witness? Webinar: The Evidence Conference  
 November 2009 WMD Crime Scene Management for Emergency Responders, Acton Police Department (8hrs)  
 June 2009 Crime Scene Investigation and Introduction to Blood Pattern Analysis, John Black; Ron Smith and Associates (40hrs)  
 August 2005 – May 2006 Courses completed at the University of Baltimore Forensic Science Program: Forensic Science, Advanced Crime Scene Investigation, Instrumental Analysis, Serology and Trace Evidence

#### **PUBLICATIONS**

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First author publication in *Molecular Biology of the Cell*  
 Contributing author publications in *Journal of Muscle Research* and *Cell Motility and Circulation Research*

MRC 7118122