

## **CURRICULUM VITAE**

### **A. Dwayne Winston**

Laboratory Corporation of America  
1912 Alexander Drive  
Research Triangle Park, N.C. 27709

### **EDUCATION:**

- 1986 **Bachelor of Science, Environmental Biology**  
University of North Carolina at Asheville, Asheville, North Carolina
- 1982 **Associate of Science, Natural and Physical Sciences**  
Lees McRae College, Banner Elk, North Carolina

### **PROFESSIONAL EXPERIENCE:**

#### **ASSOCIATE TECHNICAL DIRECTOR, FORENSIC IDENTITY**

July 2002- Present

Laboratory Corporation of America  
Research Triangle Park, North Carolina

Responsibilities: Conduct forensic DNA analysis on biological samples using STR's (13 core loci) and mtDNA sequencing technologies, supervise laboratory technologist in the production of casework to ensure timely handling of cases and

QA/QC measures, prepare reports of results and provide expert testimony, assist in the marketing and sales aspect of the Forensic Identity department.

#### **LABORATORY SUPERVISOR, FORENSIC IDENTITY**

December 1998- July 2002

Laboratory Corporation of America  
Research Triangle Park, North Carolina

Responsibilities: Perform forensic DNA analysis on biological samples using PCR and mtDNA sequencing techniques, train and supervise laboratory technologists in the production of forensic DNA casework, ensure that case work and daily lab operations flow smoothly, ensure that all QA/QC measures are followed and requirements are met, coordinate inventories and act as QA/QC Officer for the Forensic Identity Lab.

**SENIOR FORENSIC TECHNOLOGIST, FORENSIC IDENTITY**

March 1994-December 1998

Laboratory Corporation of America (formerly Roche Biomedical Laboratories)  
Research Triangle Park, North Carolina

Responsibilities: Conduct evidence examination and preparation for nuclear and mtDNA PCR DNA analysis, operate ABI 377 sequencer, SYBR™ GREEN gel staining, Amplitype® PM and DQA1 strip detections, p32 hybridization, QA/QC Officer for the Forensic Identity Lab.

**TECHNOLOGIST II, AFP/BIOCHEMICAL GENETICS**

July 1990-March 1994

Roche Biomedical Laboratories  
Burlington, North Carolina

Responsibilities: Performed routine and stat RIA and EIA qualitative and quantitative assays, maintained QC data, instrumentation maintenance and Radiation Safety Officer for Diagnostic Genetics Laboratory.

**TECHNOLOGIST, FORENSIC DRUG TESTING**

November 1989-June 1990

Compuchem Laboratory  
Research Triangle Park, North Carolina

Responsibilities: Performed qualitative RIA Urine Drugs of abuse testing, maintained proper chain of custody and quality control data, maintained instrument maintenance, contamination checks and calibrations.

**TECHNOLOGIST, RESEARCH AND DEVELOPMENT**

February 1989-November 1989

Environmental Diagnostics Inc.  
Burlington, NC

Responsibilities: Worked under the supervision of the product development manager on EDI EZ-SCREEN quick card technology, duties included antibody and enzyme qualifications, standard and control formulations and cross reactivity studies.

**TECHNOLOGIST I, RIA**

November 1986-February 1989

Roche Biomedical Laboratories  
Burlington, North Carolina

Responsibilities: Performed on a routine and stat basis RIA and EIA assays.

**TRAINING:**

**INTERPRETING STR RESULTS OF MIXED SAMPLES WORKSHOP**

SAFS Fall Meeting, Myrtle Beach, South Carolina

September 1999

**ADVANCED 310 GENETIC ANALYZER AND AmpF/STER® TRAINING**

Applied Biosystems Training Dept., Foster City, CA.

September 2000

**GREAT SUPERVISION TRAINING**

Laboratory Corporation of America, Research Triangle Park, North Carolina

July 2000-March 2001

**COURTROOM COMMUNICATIONS: RECOGNIZING AND RESPONDING  
TO TRICK QUESTION WORKSHOP**

AAFS 54<sup>th</sup> Annual Meeting, Atlanta, Georgia

February 2002

**FORENSIC MITOCHONDRIAL DNA ANALYSIS: A COMMUNITY FOURM**

AAFS 54<sup>th</sup> Annual Meeting, Atlanta, Georgia

February 2002

**INTERPRETING DNA EVIDENCE**

2002 Summer Institute in Statistical Genetics, North Carolina State University

May 2002

**FORENSIC EXPERT WITNESS TRAINING IN A DAUBERT  
ENVIRONMENT WORKSHOP**

SAFS Fall Meeting, Biloxi, Mississippi

September 2002

**PRACTICAL PROBLEM SOLVING IN STATISTICS WORKSHOP**

13<sup>th</sup> International Symposium on Human Identification, Phoenix, Arizona

October 2002

**UNDERSTANDING DNA STATISTICS WORKSHOP**

16<sup>th</sup> International Symposium on Human Identification, Grapevine, Texas

September 2005

**HAIR EXAMINATION FOR DNA ANALYSTS**

SWAFS Fall Conference, Wichita, Kansas

October 2005

**STATISTICS IN DNA: Y-STR's**

SAFS Fall Meeting, Birmingham, Alabama

September 2006

## **PRESENTATIONS:**

Forensic Identity Technology and Casework at LabCorp  
LabCorp, CMBP, Speaker, July 2007

Forensic Identity Technology and Interesting Cases at LabCorp  
North Carolina State Society of American Medical Technologist and North Carolina Society  
of Clinical Laboratory Scientist, Fall Focus meeting, Speaker, October 2005

Alternative Y-STR Amplification Method for Minimal Male Concentration Samples  
16<sup>th</sup> International Symposium on Human Identification, Poster, September 2005

Forensic Identity Technology and Interesting Cases at LabCorp  
LabCorp Paternity Department, Speaker, March 2005

General topics of the Forensic Identity Department at LabCorp  
LabCorp Paternity Department, Speaker, March 2003

Validation of Multiplex STR Profiling Systems for Forensic Casework Specimen  
American Academy of Forensic Sciences, Poster, February 1998

## **PROFESSIONAL AFFILIATIONS:**

American Academy of Forensic Sciences, Associate Member

Southern Association of Forensic Scientists, Member

## **HONORS:**

Laboratorian of the Year, Roche Biomedical, 1994

Extra Mile Award, Roche Biomedical, 1994