

# STATEMENT OF QUALIFICATIONS

(Use additional sheets if necessary)

**Name of Lab:** NCSBI Crime Laboratory  
(Raleigh)

**Date:** November 8, 2002

**Name:** David Allen  
Freeman

**Job Title:** Forensic Molecular Geneticist II

**Discipline(s):** Indicate all areas in which you do casework.

☐ Controlled Substances

☒ DNA

☐ Toxicology

☐ Firearms/Toolmarks

☐ Trace Evidence

☐ Questioned Documents

☐ Serology

☐ Latent Prints

## **Education:** List all higher academic institutions attended.

Institution	Dates Attended	Major	Degree Completed
NC State University	1983-1987	Biochemistry	BS
NC State University	1987-1989	Microbiology	MS
NC State University	1989-1992	Microbiology	Ph.D.

## COURSE WORK FOR DNA: (all courses taken at NC State Univ.)

Genetics 411

Biochemistry 451, 490 , 501A & B, 657

Molecular Biology and Genetics 558

Statistics 311

## **Other Training:** List continuing education, workshops, in-service and other formal training received.

**See Attached SBI Transcript**

## **Courtroom Experience:** List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

Molecular Genetics/DNA    1998-Present    45    Courtroom Testimonies

**Professional Affiliations:** List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

American Society of Microbiology - Previous Member

**Employment History:** List all scientific or technical positions held, particularly those related to forensic science. List current position first. Give a brief summary of principal duties and tenure in each position.

Job Title: Forensic Molecular Geneticist II      Employer: NCSBI Crime Laboratory

Principal Duties: Conduct STR based DNA testing on evidentiary samples submitted by Section analysts and testify to these results in court. Laboratory and Section Safety Officer. DNA Training Officer. DNA Technical Leader.

Tenure: Nov., 1995 to present

Job Title: Senior Scientist      Employer: Amsco Scientific

Principal Duties: Validation of medical devices including experimental design, protocol, and report writing, raw data interpretation and supervision of technical support.

Tenure: Nov., 1991 to Nov., 1995

**Other Qualifications:** List below and scientific publication and/or presentation you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist. (Use additional sheets if necessary)

Author of One Patent (Rapid Read-Out Biological Indicator)  
Presentation at Fall 1995 SAFS Meeting - Validation of CTTA STR Systems  
Participation in FBI STR Standardization Program  
Validation of STR Loci (CTTA, PowerPlex 1.1 and PowerPlex 2.1 Systems) at NCSBI  
Armed Forces DNA Identification Laboratory - training for mtDNA typing  
DAB Auditor Training  
Participation in Hitachi FMBIO User=s Group Meeting (1997, 1998, 1999, 2001)  
NCSBI Crime Laboratory Safety Officer  
Completed FBI Course on Mitochondria DNA  
Presentation of DNA Technology to Various Groups (ME=s office, Universities, and Community Colleges)  
Presentation at 11<sup>th</sup> International Symposium on Human Identification (2000)

## Publications

Eleni N. Levedakou,<sup>1</sup> Ph.D.; David A. Freeman,<sup>1</sup> Ph.D.; Michael J. Budzynski,<sup>1</sup> B.S.; Buddy E. Early,<sup>1</sup> B.S.; Elizabeth Amriott<sup>2</sup>, B.S.; Kevin C. McElfresh<sup>3</sup>, Ph.D.; James W. Schumm<sup>3</sup>, Ph.D.; Suzanna R. Ulery<sup>3</sup>, M.S.; Dayse Silva<sup>4</sup>, M.S.; Amy Jo Townley<sup>5</sup>, B.S.; Anne Pollard<sup>5</sup>, B.S.; Jennifer Lewis<sup>5</sup>, B.S.; Jennifer Gombos<sup>5</sup>, B.S.; Jeff Sailus<sup>6</sup>, B.S.; Jeff D. Ban<sup>5</sup>, B.S.; Cecelia A. Crouse<sup>4</sup>, Ph.D.; and Mark S. Nelson<sup>1</sup>, M.S. (2000) Allele Frequencies for Fourteen STR Loci of the PowerPlex™ 1.1 and 2.1 Multiplex Systems and Penta D Locus in Caucasians, African-Americans, Hispanics and Other Populations of the United States of America and Brazil. *J. Forensic Sci* 2001:46(3):736-761.

Eleni N. Levedakou,<sup>1</sup> Ph.D.; David A. Freeman,<sup>1</sup> Ph.D.; Michael J. Budzynski,<sup>1</sup> B.S.; Buddy E. Early,<sup>1</sup> B.S.; Amy Jo Townley,<sup>2</sup> B.S.; Anne Pollard,<sup>2</sup> B.S.; Jennifer Lewis,<sup>2</sup> B.S.; Jennifer Gombos,<sup>2</sup> B.S.; Frank Kist,<sup>3</sup> B.S.; Mary Hockensmith,<sup>3</sup> B.S.; Michelle Terwillinger,<sup>3</sup> B.S.; Elizabeth Amriott<sup>4</sup>, B.S.; Kevin C. McElfresh<sup>5</sup>, Ph.D.; James W. Schumm<sup>5</sup>, Ph.D.; Suzanna R. Ulery<sup>5</sup>, M.S.; Felipe Konotop,<sup>6</sup> B.S.; Tara Hockenberry,<sup>6</sup> B.S.; Jeff Sailus<sup>7</sup>, B.S.; Cecelia A. Crouse,<sup>6</sup> Ph.D.; Christine S. Tomsey,<sup>3</sup> M.S.; Jeff D. Ban<sup>2</sup>, B.S.; and Mark S. Nelson,<sup>1</sup> M.S. (2000) Characterization and Validation Studies of PowerPlex™ 2.1, a Nine-Locus Short Tandem Repeat (STR) Multiplex System, and Penta D Monoplex. *Journal of Forensic Sciences*, in review.