



2105 University Park Drive, Suite A  
Okemos, Michigan 48864  
(517) 349-3528 (Voice)  
(888) 999-1009 (Toll Free)  
(517) 349-5538 (FAX)  
[www.4N6.com](http://www.4N6.com)

**Leonard A. Speckin**  
Retired Document Analyst

**Michael J. Sinke**  
Latent Print Specialist  
Crime Scene Reconstruction  
Forensic Document Analyst

**Robert D. Kullman**  
Forensic Document Analyst

**Larry A. Dalman**  
Computer Recovery Specialist

**Karl V. Ebner, Ph.D.**  
Forensic Toxicologist

**Erich J. Speckin**  
Forensic Document Analyst  
Ink Dating Specialist

**Roger J. Bolhouse**  
Laboratory Director  
Crime Scene Reconstruction  
Forensic Analyst & Consultant

**Marco A. Scarpetta, Ph.D.**  
DNA Analyst and Consultant

**David G. Townshend**  
Forensic Firearms Examiner

**Richard L. Brunelle**  
Retired Ink Dating Consultant

**Ann E. Chamberlain, M.S.**  
Serologist  
DNA Analyst & Consultant  
Crime Scene Reconstruction

**Laurence R. Simson, M.D.**  
Forensic Pathologist

**Jay A. Siegel, Ph.D.**  
Analytical Chemist

**Jason S. Harner, B.S.**  
Forensic Chemist

## **Marco A. Scarpetta, Ph.D.**

*(position title?)*

May 25, 2006

### **FORMAL EDUCATION**

- **Ph.D. (Biochemistry)** University of Maryland, College Park, MD, 1992
- **M.Sc. (Biochemistry)** University of Maryland, College Park, MD, 1989
- **B.S. (Biochemistry)** Pennsylvania State University, State College, PA, 1986

### **EXPERIENCE**

- **Laboratory Director (12/01-Present)**, Orchid GeneScreen East Lansing (formerly LifeCodes East Lansing)
  - Paternity Case Review
  - Expert Witness
  - Client Services
  - Train Associate Directors in above duties
- **Consultant (3/03-Present)**, Orchid Cellmark  
Scarpetta Forensic Consulting (SFC) was rolled into the forensic division of Orchid; I am in essence an offsite case reviewer for Orchid Cellmark. Duties as described for SFC.
- **President (6/00-3/03)**, Scarpetta Forensic Consulting, Inc.  
Privately owned venture to provide the legal community with unbiased, impartial opinions as to the content and relevance of forensic DNA reports
- **Associate Laboratory Director (6/98-12/01)**, LifeCodes East Lansing (formerly National Legal Laboratories, Inc.)
  - Paternity Case Review
  - Expert Witness
  - Client Services
  - Train Assistant Director in above duties
- **Assistant Laboratory Director (6/97-6/98)**, National Legal Laboratories, Inc.
  - Paternity Case Review

- Research and Development of New Methods
- Expert Witness
- Client Services
  
- **Senior Forensic Serologist (1/95-6/97)**, Detroit Police Crime Laboratory.
  - Technical Manager of the DNA Unit
  - Forensic casework and expert testimony
  - Implementation of novel DNA typing techniques for use in casework and subsequent training of laboratory personnel in these methods
  - Peer review of casework reports
  - Initiation of research projects and publication of results
  - Preparation of purchase requisitions for equipment and supplies
  - Maintaining chain of custody and integrity of evidence
  - Preparation, review and administration of Quality Assurance/Quality Control Program in preparation for ASCLD Accreditation
  
- **Postdoctoral Research Fellow (1/92-12/94)**, for Dr. Michael Uhler.  
 Dept. of Biochemistry, University of Michigan, Ann Arbor, MI. Research project involved the characterization of the isoforms of protein kinase inhibitor (PKI), a small protein effector of cAMP-dependent protein kinase (PKA). PKI was expressed in tissue culture to examine its role in modulating the activity of PKA *in vivo*. Also, the genomic structures and localization of the two PKI isoforms were studied for future use in transgenic mice.
  
- **Teaching Assistant (9/93 and 9/94)**, for Dr. Michael Uhler.  
 Assisted in the planning and instruction of experiments designed to characterize a novel isoform of cGMP-dependent protein kinase, in a course entitled The Physician Research Training Program. This course is designed to train physicians interested in research careers in the scientific method.
  
- **Graduate Research Assistant (1/90-1/92)**, for Dr. William Brusilow.  
 Dept. of Biochemistry, Wayne State University School of Medicine, Detroit, MI. Dissertation project studied the structure-function relationships of subunits of the proton-translocating ATPase of *E. coli*, and later involved an analysis of the energy coupling parameters of hybrid *E. coli-B. megaterium* ATPases.
  
- **Graduate Research Assistant (6/88-12/89)**, for Dr. William Brusilow.  
 Dept. of Chemistry and Biochemistry, University of Maryland, College Park, MD. Thesis work delineated the organization and sequence of the genes of the *B. megaterium* ATPase.
  
- **Teaching Assistant (7/86-5/88)**  
 Dept. of Chemistry and Biochemistry, University of Maryland, College Park, MD. Taught lecture and lab sections of a senior undergraduate biochemistry lab course and taught the recitation and lab sections of introductory freshman chemistry courses.

**PROFESSIONAL  
AFFILIATIONS**

- American Association for the Advancement of Science, 1992
- American Association of Blood Banks, 1999-present
- American Association of Forensic Sciences, 2003-present

**TECHNICAL  
EDUCATION**

- Forensic Amplitype PM + HLA DQA1 PCR Amplification and Typing Workshop. April 10-18, 1995; Perkin-Elmer Training Department, Foster City, CA.

- New Methods Forensic PCR Amplification and Typing Workshop. April 19-21, 1995; Perkin-Elmer Training Department, Foster City, CA.
- DNA Typing With STRs Workshop. May 22-23, 1995; Promega Corporation, Madison, WI.
- Statistics and Population Genetics for Forensic Science. June 16-18, 1996; Department of Statistics, North Carolina State University, Raleigh, NC.
- Court qualified expert witness in forensics and paternity
- Over 150,000 Paternity Tests reviewed
- Laboratory Assessor with the American Association of Blood Banks
- Certified to act as Laboratory Director in Paternity/Identity Testing and DNA Testing in the State of New York
- Completed validation of D1S80 and various STR loci for casework (FBI funded)
- Validation of the Hitachi FMBIO-100 (and FMBIO-2) Imaging System for use in casework
- Validation of the QIAamp protocol in place of Chelex for genomic DNA isolation
- Peer Review of over 200 Forensic DNA Analysis Reports
- Forensic DNA databasing experience
- Obtained National Institute of Justice funding for development of DNA typing program (in conjunction with the Michigan State Police)
- Preparation and delivery of seminars to train Assistant Prosecuting Attorneys and Evidence Technicians in DNA typing principles
- Community representative for the Michigan State University Office of Radiation, Chemical and Biological Safety. Responsible for review of Research Grant Proposals for environmental safety issues.
- Hands-on experience in: molecular cloning techniques, PCR, protein purification, DNA sequencing, phage-mediated transduction, DNase protection assays, *in situ* hybridization, SSLP typing, Southern, Western and Northern blotting, tissue culture techniques and general microbiological techniques.

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