

Curriculum Vitae

Tomas A. Wahl

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ACADEMIC QUALIFICATIONS

1972 – 1977

University of Wisconsin-La Crosse

La Crosse, WI.

Bachelor of Science in Medical Technology Minor: Chemistry

ACCOMPLISHMENTS AND ACHIEVEMENTS

- Experience in setting up Forensic DNA Analysis Laboratories (both private and government sectors)
- 31 years experience in Forensic Genetics/Human Identification /Paternity DNA analysis
- 8 years experience in forensic comparative hair analysis
- Board certified by the American Board of Criminalistics (ABC) in Molecular Biology – ABC Fellow
- Court qualified as expert witness in 22 U.S. and 2 Canadian jurisdictions ; over 300 testimonies given
- 11 years experience providing Forensic consultation to clients (private sector)
- 4 years experience as Quality Assurance Manager of a Forensic Genetics/Human ID laboratory
- Training instructor for lab personnel and college interns (both private and government sectors)
- Research experience in development, validation, and implementation of new DNA genetic markers
- Experience in devising, manufacturing and quality control of forensic analytical kits
- Experience in sales and technical support of company products and services
- Ability to read, write and converse in Spanish

PROFESSIONAL EXPERIENCE

April 2011 to present

Forensic DNA Consultant

42 Meadowlark Lane N.

Fargo, ND 58102

701-412-3222

dnaguy@cableone.net

- Perform review of DNA case files (criminal & civil)
- Write clear and concise reports of findings if required
- Testify as expert witness in courts of law
- Provide consultation and/or training to attorneys
- Assist forensic DNA laboratories on a contract basis

Nov. 2010 to April 2011

DNA Labs International

240 Natura Avenue

Deerfield Beach, FL 33441

954-426-5163

Title: Forensic DNA Analyst

- Perform technical reviews of DNA case files (criminal & civil)
- Write clear and concise reports of findings
- Testify as expert witness in courts of law

July 2006 to November 2010

North Dakota State University

Dept. of Chemistry & Molecular Biology

Forensic DNA Facility

IACC Building, Room 326

Fargo, ND 58108

701-231-8670

Title: Senior Forensic DNA Analyst/Quality Assurance Manager

Duties & Responsibilities:

- Oversee the casework operation of an ISO 17025 accredited Forensic DNA Laboratory
- Examine physical evidence collected in criminal and civil investigation cases
- Perform DNA analysis of biological evidence
- Write clear and concise reports of findings
- Testify as expert witness in courts of law
- Perform independent case review of Forensic DNA cases for clients
- Validate new techniques and instrumentation to be implemented in casework analysis
- Provide training to new employees, NDSU graduate school students and clients
- Serve as Quality Assurance and Safety Manager of an ISO 17025 accredited Forensic DNA Laboratory

Achievements:

- Set up an operational Forensic DNA Laboratory at North Dakota State University (NDSU)
- Obtained ISO 17025 accreditation for the NDSU Forensic DNA Facility

1995 - 2006

Las Vegas Metropolitan Police Dept. (LVMPD)

Criminalistics Bureau - Forensic Laboratory

5605 Badura Ave., Suite 120 B

Las Vegas, NV. 89118

702-828-3949 (DNA LAB)

Title: Criminalist II/DNA Analyst

Duties & Responsibilities:

- Examine physical evidence collected in criminal investigation cases
- Perform PCR STR DNA Analysis of biological evidence
- Write clear and concise reports of findings
- Testify as expert witness in courts of law
- Provide training to new hire forensic DNA analysts, law enforcement and judicial personnel
- Validate new techniques and instrumentation to be implemented in casework analysis

Achievements:

- Hired to set up Forensic DNA Laboratory for LVMPD
- Trained existing personnel in Forensic DNA Analysis methods & techniques
- Validated and implemented DNA analysis techniques used in LVMPD DNA Lab

1993 - 1995

Genelex Corporation

2203 Airport Way South, Suite 350

Seattle, WA. 98134

206-382-9591

Title: Forensic Supervisor

Duties and Responsibilities:

- Supervised the Forensic Division of company
- Examine physical evidence collected in criminal & civil cases
- Perform RFLP & PCR DNA analysis of biological evidence
- Write clear and concise reports of findings
- Testify as expert witness in various courts of law

- Train lab personnel in forensic analysis of evidence

• Validate new techniques and instrumentation to be implemented in casework analysis

- Perform external case review and consultation services to clients
- Member of the Genelex Corp. Management Committee
- Represent company at exhibitor's booth at professional meetings
- Give oral & poster presentations at professional meetings

Achievements:

- Hired to set up Forensic DNA PCR Laboratory for Genelex Corp.
- Trained existing personnel in Forensic DNA Analysis methods & techniques
- Validated and implemented DNA techniques used in Genelex Corp.
- Testified in first PCR admissibility case in Canada
- Largely responsible for increasing revenue growth of Forensic Division of Genelex Corp.

1988 - 1993

Analytical Genetic Testing Center (AGTC) [note: company no longer in existence]

7808 Cherry Creek Drive South, # 201

Denver, CO. 80231

303-750-2023

Title: Senior Forensic Geneticist

Duties and Responsibilities:

- Examine physical evidence collected in criminal & civil cases
- Perform conventional & DNA PCR genetic marker analysis of evidence (forensic & paternity)
- Write clear and concise reports of findings
- Testify as expert witness in various courts of law
- Instructor of AGTC forensic training courses offered to outside agencies (private & government sectors)
- Validate new techniques and instrumentation to be implemented in casework analysis
- Provide forensic consultation to clients
- Devise, manufacture and conduct quality control of AGTC analytical kits and reagents
- Perform sales duties and provide technical support for clients
- Represent company at exhibitor's booth at professional meetings
- Give oral & poster presentations at professional meetings

Achievements:

- Set up Forensic Laboratory for AGTC
- Trained AGTC personnel and college interns in Forensic DNA Analysis methods & techniques
- Validated inorganic DNA extraction methods for forensic application
- Developed a series of Forensic kits for company to market
- Validated PCR AmpliType Kit (HLA DQA1 locus) for forensic casework implementation
- Validated PCR AFLP loci APOB & PAH for forensic casework implementation

1986 - 1988

Florida Dept. of Law Enforcement (FDLE)

Tampa Regional Crime Laboratory

4211-A North Lois Ave.

Tampa, FL. 33614

813-878-7301

Title: Crime Laboratory Analyst/Serology

Duties and Responsibilities:

- Examine physical evidence collected in criminal cases
- Perform conventional genetic marker analysis of biological evidence
- Write clear and concise reports of findings
- Testify as expert witness in courts of law
- Validate new techniques and instrumentation to be implemented in casework analysis

Achievements:

- Implemented isoelectric focusing technique of polymorphic enzyme genetic markers

1986

Humagen, Inc.

Charlottesville, VA.

Title: Research Associate

Duties and Responsibilities:

- Conduct forensic science research for Humagen, a start-up biotechnology company
- Validate forensic kits developed by Humagen
- Assist in marketing of forensic kits

1980 - 1985

Wisconsin State Dept. of Justice

Regional Crime Laboratory- Milwaukee

1578 South 11th Street

Milwaukee, WI. 53204-2860

414-649-2440

Title: Crime Laboratory Analyst-Micro/Serology

Duties and Responsibilities:

- Examine physical evidence collected in criminal cases
- Perform conventional genetic marker analysis of biological evidence
- Perform comparative hair analysis
- Write clear and concise reports of findings
- Testify as expert witness in courts of law
- Validate new techniques and instrumentation to be implemented in casework
- Provide training to law enforcement and judicial personnel

SPECIALIZED TRAINING

Research – Development and validation of ELISA based immunoassay commercial kit for detection of a human semen specific protein MHS-5 for forensic and clinical markets., Humagen, Inc., Charlottesville, VA.

Research – Development and forensic validation of Amplified Fragment Length Polymorphisms (AFLPs) for human genetic loci APOB, PAH at Analytical Genetic Testing Center , Denver, CO.

Teaching – Instructor of PCR AFLP course offered to the forensic and paternity testing science community

by Analytical Genetic Testing Center, Denver, CO.

Teaching - Instructor for U.S. Dept. of Justice International Criminal Investigative Training Assistance Program (ICITAP); Colombia Demonstrative Evidence Course, Cali, Colombia July 6th-10th, 2009.

Teaching - Instructor Forensic DNA analysis and evidence screening Center for Diagnostic and Research in Molecular Medicine (CDRMM); Dakar, Senegal, Africa, December 2009 to February 2010.

Teaching - Instructor for the American Bar Association's Rule of Law Initiative; "Oral Penal El Sistema Penal Acusatorio" held in Santiago, Veraguas Panama and Penonomé, Coclé Panama, August 30th and September 6th 2010.

MEMBERSHIPS AND ASSOCIATIONS

- Member, American Academy of Forensic Sciences (AAFS)
- Member, Midwest Association of Forensic Sciences (MAFS)
- American Board of Criminalistics (ABC); Certified in Molecular Biology - Diplomat and Fellow

PUBLICATIONS / PRESENTATIONS

Casework Presentation, "*APOB Amplified Fragment Length Polymorphism*"
Southwest Association of Forensic Scientists
Estes Park, CO/October 1992

"*Forensic Validation Studies on the APOB Amplified Fragment Length Polymorphism*"
American Academy of Forensic Sciences/Boston, MA.
February 1993, Dr. Moses Schanfield Presenter, Thomas A. Wahl Co-Author

"*HLA DQA1 Testing of Non-Human DNA*"
Northwest Association of Forensic Scientists
Bend, OR/April 1993

"*Forensic Validation Studies on the APOB Amplified Fragment Length Polymorphism*"
Northwest Association of Forensic Scientists
Bend, OR/April 1993

"*Qualitative and Quantitative Assessment of DNA Using Alpha Satellite DNA*"
Midwest Association of Forensic Scientists
Madison, WI/October 1993

"*Species Specificity Studies Using the Amplitype™ Polymarker PCR System*"
Fifth International Symposium on Human Identification, Promega Corporation
Scottsdale, AZ/October 1994

"*PCR on Trial*"
Joint Meeting: Canadian Society of Forensic Sciences and the Northwest Assoc. of Forensic Scientists

Forensic Use of PCR Analysis Workshop
Vancouver, B.C./November 1994

"*To Chelex or Not to Chelex, That Is the Question*"
American Academy of Forensic Sciences
Seattle, WA/February 1995

