CURRICULUM VITAE: JULIE A. HEINIG

ADDRESS: DNA Diagnostics Center

One DDC Way, Fairfield, Ohio, 45014 phone: (513) 881-7806 ext.# 2283

jah@dnacenter.com

EMPLOYMENT:

09/13-present DNA Technical Leader- Forensics

DNA Diagnostics Center

Fairfield, Ohio

01/03-present Assistant Laboratory Director - Forensics

DNA Diagnostics Center

Fairfield, Ohio

10/98-10/02 Senior Forensic Scientist/DNA Analyst

Cuyahoga County Coroner's Office

Cleveland, Ohio

01/96 **Instructor**, Department of Life Sciences, Scarborough Campus, University of

Toronto - "Cell Junction" component of Cell Biology, upper level undergraduate

course.

09/89-09/94 **Teaching Assistant**, Department of Life Sciences, Scarborough Campus,

University of Toronto. Prepared materials, presented lectures, and assisted students with undergraduate lab coursework in Introductory Biology, Plant

Morphology and Histology.

04/91 **Research Technician II**, Bedford Institute (SS Dawson Research Vessel),

Dartmouth, Nova Scotia. Conducted experiments on the gills of scallops and

prepared the gill tissue for electron microscopy.

EDUCATION:

2003 **Online Coursework** - University of Florida

Structure and Function of Nucleotides PHA5436.

May 12 - August 4, 2003

Scientific Evidence and Statistics (Univ. of Edinburgh)

August 25 - December 8, 2003

2001 **Ph.D.** University of Toronto, Toronto, Ontario

Department: Anatomy and Cell Biology

Area of Study: Molecular Endocrinology and Development

Title: "Molecular Studies of Pituitary Hormones During the Life Cycle of the

Lamprey"

1993 **M.S.** University of Toronto, Toronto, Ontario

Department: Zoology.

Area of Study: Physiology and Morphology

Title: "The Morphology of the Anterior Intestine in Juvenile Anadromous Sea Lampreys, *Petromyzon marinus* L., Following Gradual Acclimation and Direct

Transfer to Seawater"

EXPERIENCE:

Case Review and Consultation - provide case review for defense attorneys by reviewing all pertinent discovery material to ensure the results are reliable, and the interpretation of the results support the conclusions. Consult with attorneys about their case, explain serological and DNA analysis (if requested) and provide litigation questions for cross examination.

Observe DNA Testing at Crime Laboratories – observe the entire DNA analysis process of evidentiary samples at other laboratories to ensure the results and conclusions are reliable.

Forensic Accreditation – Prepare for and obtain accreditation from NFSTC ISO/IEC 17025 and DAB standards (September 23, 2003); obtain NYSDOH to perform forensic casework in N.Y. (July 28, 2004); obtain ASCLD/LAB-*International* (June 10, 2005).

DNA Analysis – examine evidence, perform serology, extract DNA, quantify DNA (slot blot and RT-PCR), perform DQ-A1 and Polymarkers, Restriction Fragment Length Polymorphism (RFLP), STR (Profiler Plus, Cofiler, PowerPlex 16, Identifiler) and Yfiler DNA typing for casework.

Bring Short Tandem Repeat (STR) (ABI 3100 and 310) Online for forensic casework - set up the STR analysis (Profiler Plus and Cofiler) at CCCO; validate the STR typing method; write the STR protocol and training manual; develop proper documentation; train DNA analysts on the 310 instrument. Validate the NT system with the 310 instrument.

Set up the forensic lab at DDC; perform forensic validations for serology, DNA analysis, RT-PCR, STRs (Profiler Plus, Cofiler, Identifiler, Globalfiler) and Yfiler (Yfiler Plus), using the 3130 (GeneMapper IdX v. 1.4) and 310 ABI instruments (GeneMapper v. 3.2); write the forensic standard operations manual and training manual and co-write the Quality Assurance manual; recruit and train forensic DNA analysts.

Hand Examination and Analysis of Evidentiary Material for Trace Evidence – while at CCCO examined hands of victims (homicide, suicide, or suspicious death) for blood, defects, hairs, fibers, gun shot residue and trace metal detection; analyzed clothing and evidentiary material visually and with an alternate light source; performed preliminary and confirmatory serological tests on blood/body fluid stains.

Crime Scene Investigation - documentation and collection of evidence.

Prepare Written Case Report and Testify as Expert Witness - interpret Short Tandem Repeat (STR) and Y-STR results; generate probability statistics; write case reports and perform technical review of other scientist's analysis and reports; inform attorneys, forensic analysts and law enforcement officials of our results; testify to my casework and that of other DNA scientists in the lab.

Accreditation Preparation - ensure compliance with ISO 17025 ANAB and NYDSOH standards which includes lab maintenance, proper documentation of

lab and equipment maintenance, critical reagents, STR validations, employee proficiencies; preparation of Protocol, Training, and Quality Assurance manuals.

CODIS Manager and Quality Assurance Manager at CCCO - upload DNA profiles to the Combined DNA Information System (CODIS) at CCCO; maintain the CODIS system and perform administration; assign and monitor proficiency testing; oversee equipment maintenance; manage and maintain quality assurance in the lab.

Seminars, Tours, Workshops and Mock Crime Scenes - Provide seminars, tours, workshops and mock crime scenes at DDC and offsite, as well as previously at CCCO, to various groups (ie. attorneys, schools, universities, law enforcement agencies).

Computer Skills - Microsoft Word; Word; Adobe Photoshop; PowerPoint; Excel; Oligo; Geneworks; DNA Strider; Netscape; statistics programs; DNA and protein databases (ie. GenBank); ABI 310, 3100, and 3130 Collection; Genotyper; Genescan; GeneMapper; CODIS; Popstats; Sequence Navigator; Sequencing Analysis; DNA View.

SPECIALIZED TRAINING:

TRAINING:	
2019	"The Y-HRD Database: How it Works and How To Use It In Casework" Online Webinar – Promega Dr. Lutz Roewer May 8 th , 2019
2019	"Statistical Genetics and the Mechanisms of Probabilistics Genotyping" Online Webinar – NIJ (Forensic Technology Center of Excellence) Drs. David Balding, Michael Coble, John Buckleton, and Steven Myers May 8 th , 2019
2019	"The Elements of DNA Profile Interpretation and Probabilistic Genotyping" Online Webinar - NIJ (Forensic Technology Center of Excellence) Drs. Tamyra Moretti and Peter Gill May 5 th , 2019
2018	Promega 29 th International Symposium on HID Phoenix, AZ – September 23-September 25, 2018
2018	Promega 29 th International Symposium on HID Phoenix, AZ – September 24, 2018 Attended: Workshop: "Systems Thinking and DNA Mixtures: Dynamic Models, Optimization, Validation and Inference"
2017	Midwestern Association of Forensic Scientists 46 nd Annual Meeting Cincinnati, OH – September 18-22, 2017
2016	Promega 27 th International Symposium on HID Minneapolis, MN – September 26-September 29, 2016
2016	Promega 27 nd International Symposium on HID

	Attended: Workshop: "Validation and Mixture Interpretation Standard Operating Procedures" Minneapolis, MN – September 26, 2016
2014	Promega 25 nd International Symposium on HID Phoenix, AZ – September 29-October 2, 2014
2014	Promega 25 nd International Symposium on HID Attended: Workshop: "NGS Advances in Human Forensic Genomics" Phoenix, AZ – September 29, 2014
2013	DNA Mixture Interpretation & Statistics using Likelihood Ratios MAFS 42 nd Annual Meeing Dayton, OH Instructor: B. Heidelbrecht Sept. 30-Oct. 1, 2013
2013	Midwestern Association of Forensic Scientists 42 nd Annual Meeting Dayton Convention Center, Dayton, OH October 3-4, 2013
2012	Promega 23nd International Symposium on HID Nashville, TN – October 15-19, 2012
2012	Promega 23 nd International Symposium on HID Attended: Workshop: "Mixtures Interpretation" Nashville, TN – October 15, 2012
2012	Life Technologies "HID Future Trends in Forensic DNA Technology Workshop" Columbus, OH – September 6, 2012
2012	Innocence Network Conference Kansas City, MO – March 30-31, 2012
2011	Innocence Network Conference Cincinnati, OH – April 7- 10, 2011
2010	Innocence Network Conference Atlanta, GA – April 16- 18, 2010
2009	Promega 20 th International Symposium on HID Overview given by Tom Reid, Ph.D. DDC – October 30, 2009
2009	Mike Shiver, Ph.D. Ancestry DNA/DNA Witness DDC – October 7, 2009
2009	UC Law School/Rosenthal Institute for Justice/ Ohio Innocent Project Cincinnati Museum Center – August 17, 2009
2009	Innocence Network Conference Houston, TX – March 20 - 22, 2009

2009 Mike Coble, Ph.D. "mtDNA Testing at AFDIL" (Armed Forces DNA Identification Laboratory) DDC - March 10, 2009 2009 Cassie Johnson, M.S. "STR Analysis in Forensic Casework and Paternity Testing" Workshop on Y-STR Mixtures DDC - March 5, 2009 **AAFS 61th Annual Meeting** 2009 **Denver Convention Center** ABI Forum included Denver, Colorado - February 18 - 20, 2009 Promega 19th International Symposium on HID 2008 Attended: Workshop 10-16-08 "Troubleshooting Common Laboratory Problems" Hollywood, California - October 13 - 16, 2008 2008 Dr. Odell Owens, M.D. Hamilton County Coroner – "Educate the Living" DDC - March 12, 2008 2007 Dr. T. Reid, Ph.D. Associate Director, DDC "Review of International Society for Forensic Genetics Meeting-Copenhagen" DDC - September 6, 2007 2007 Dr. P. Lepont, Ph.D. "Applications of Directional Cell Migration" DDC - June 29, 2007 2007 Dr. J. Sun, Ph.D. "Gene Polymorphisms of Natural Killer Cell Receptors" DDC - June 1, 2007 2007 Dr. Conneally, Ph.D. "The Role of DNA in Forensics and Mass Tragedies" DDC - May 18, 2007 2007 L. Farris "Internalization and Metabolic Activation of E. Coli O157:H7" DDC - May 11, 2007 2007 Forensic e-Symposium, Human Identification "Profiling of Degraded and Low Amounts of DNA" Live and Online - March 27, 2007 2006 **DDC Workshop** Review of Meetings and Workshops attended by staff American Society of Human Genetics, AABB, Promega, MAFS DDC - November 10, 2006 2006 Dr. L. Maddox "Validation and Application of a Duplex qPCR Assay" DDC - October 16, 2006

2006	MAFS 36 th Annual Meeting Indianapolis, Indiana October 9, 2006 - October 13, 2006 Workshops attended: Promega's Integrated Solutions in Forensic DNA Technology, October 9, 2006 Review of DNA Testing Results, October 11, 2006
2006	ABI Real Time 7500 Training - Chemistry and Software FAS Catherine Caberello DDC - August 17, 2006
2006	Dr. Charles Brenner "DNA View and Kinship" DDC - August 14, 2006
2006	ABI Real Time 7500 - Installation and Training Service Engineer Greg LaCrosse DDC - August 8, 2006
2006	Dr. R. Cotton "Testing Fundamentals and Preparation for Trials" DDC - May 17, 2006
2006	ABI Trends Meeting Westin Hotel Cincinnati, Ohio - April 5, 2006
2005	Promega 16 th International Symposium on HID Attended: Statistics workshop; Automated DNA testing workshop; Promega Trends seminar; SWGDAM meeting Dallas, Texas - September 25 - 29, 2005
2005	National Association of Criminal Defense Lawyers Conference Barry Scheck New Orleans, Louisiana - February 10, 2005
2005	ABI 310 Training and GeneMapper v. 3.2 FAS Catherine Caberello DDC - January 18, 2005
2004	Paternity Testing Dr. Chakraborty (University of Cincinnati) DDC - April 2, 2004
2004	SNPs Applied Biosystems DDC - February 27, 2004
2004	Profitable Exhibiting & Better Booth Staffing Skyline Exhibits Springdale, Ohio - February 5, 2004
2003	National CODIS Conference National Conference Center Lansdowne, Virginia - November 3 - 6, 2003

2003 Association of Forensic Quality Assurance Managers (AFQAM) Conference **Embassy Suites** Indianapolis, Indiana - October 6 - 9, 2003 2003 Trends in Forensic DNA Technology Applied Biosystems Westin Cincinnati, Ohio - August 26, 2003 2003 **NFSTC Accreditation for Forensic Testing** In compliance with requirements of ISO/IEC 17025 and DAB standards Assessors Dr. Lodge and Lucy Davis Houck DDC - June 9 -10, 2003 2003 **Real Time PCR Seminar** Catherine Caberello, Applied Biosystems DDC - April 3, 2003 **AAFS 55th Annual Meeting** 2003 Hyatt Regency ABI Forum and HITA Meeting included; AAFS Chicago, Illinois - February 19 - 21, 2003 2003 3100 Training Carol Schurzinger, Applied Biosystems DDC - January 14 - 15, 2003 2002 Performance Level Auditing for the Crime Laboratory Workshop BCI&I National Forensic Science Technology Center Richfield, Ohio - April 17 - 18, 2002 2002 **CODIS Meeting** BCI&I Cindy Shannon Richfield, Ohio - March 11, 2002 2001 **CODIS Workshop** Cuyahoga County Coroner's Office Instructor: Cindy Shannon, BCI&I London, Ohio Cleveland, Ohio - April 4, 2001 2000 **Bloodstain Pattern Analysis Workshop** Cuyahoga County Coroner's Office Instructor: Toby Wolson Cleveland, Ohio - November 13 - 17, 2000 **Microscopy Training Workshop** 2000 Cuyahoga County Coroner's Office Instructor: Jay Mansbach Cleveland, Ohio - September 14 - 15, 2000

2000 STR Workshop - FBI

Cuyahoga County Coroner's Office

Instructors: Jill Smerick and Debbie Hobson, DNA Unit I, Washington, D.C.

Cleveland, Ohio - June 19, 2000

2000 Mitochondrial DNA Analysis Course

Intensive 2 week course including theory, practical laboratory training, mock

trials, sequence interpretation.

Instructors: Alice Isenberg and Mitochondrial Examiners, Unit II, FBI Academy,

Quantico, Virginia - June 5 - 16, 2000

2000 Mock Trial Training - Expert Testimony in DNA

Cuyahoga County Coroner's Office Cleveland, Ohio - April 5, 2000

2000 Short Tandem Repeat Workshop (ABI 310 capillary electrophoresis)

Cuyahoga County Coroner's Office

Course Instructors: Catherine Caberello, Perkin Elmer

Cleveland, Ohio - February 6 - 10, 2000

1999 Mock Trial Training - Expert Testimony in DNA

DQA1 and Polymarkers and RFLP. Cuyahoga County Coroner's Office,

Cleveland, Ohio - July 10, 1999

1999 Short Tandem Repeat (ABI 310) Workshop - MAFS

Interpretation of STR data on the ABI 310 CE. Illinois State Police,

Chicago, Illinois - March 9 - 12, 1999

1998 **Population Statistics in DNA Analysis**

Cuyahoga County Coroner's Office, Cleveland, Ohio

Course Instructors: Dr. George Carmody, University of Carleton, Ottawa, Canada

and Dr. Jennifer Smith, DNA Unit I, FBI Washington, D.C. - December 8 - 9, 1998

1998 Mock Trial Training - Expert Testimony in Serology and DNA

Cuyahoga County Coroner's Office Cleveland, Ohio - November 22, 1998

1998 Forensic Polymerase Chain Reaction Typing Method D1S80

Cuyahoga County Coroner's Office-Cleveland, Ohio

Course Instructors: Dr. Mohammed Tahir and Dr. K. Ballamurugan, Marion

County Forensic Laboratory

Indianapolis, Indiana - October 17 - 20, 1998

INVITED INSTRUCTOR/ GUEST LECTURER

2019 Lake County Criminal Defense Lawyers Association

CLE Presentation: "DNA Today and Beyond"

Kirtland, OH – October 25, 2019

2017 IL Association of Criminal Defense Lawyers

CLE Presentation: "Behind the DNA Report"

East St. Louis, IL – March 24, 2017

2015	Ohio Association of Criminal Defense Lawyers CLE Presentation: "Behind the DNA Report" Cleveland, OH – October 23, 2015
2015	Ohio Innocence Project – Law Student Lab Tour and Workshop DDC – September 18, 2015
2014	Lake County Criminal Defense Lawyers Association CLE Presentation: "Behind the DNA Report" Kirtland, OH – September 26, 2014
2014	KY Innocence Project– Law Student Lab Tour and Workshop DDC – March 28, 2014
2013	Northern Kentucky University/KY Innocence Project Highland Heights, KY – March 29, 2013
2012	Ohio Association of Criminal Defense Lawyers Death Penalty Seminar Presentation: "DNA: Basics & Legal Applications" Columbus, OH – November 15, 2012
2012	Innocence Network Conference Expert Panelist – Advanced Topics in DNA Kansas City, MO – March 30-31, 2012
2012	Northern Kentucky University/KY Innocence Project Highland Heights, KY – February 17, 2012
2011	Innocence Network Conference Expert Panelist – Advanced Topics in DNA Cincinnati, OH – April 7-10, 2011
2011	Northern Kentucky University/KY Innocence Project Highland Heights, KY – February 11, 2011
2011	University of Kentucky/KY Innocence Project Lexington, KY – February 18, 2011
2010	Dayton Bar Association Dayton, OH – November 10, 2010
2010	Greater Cincinnati Criminal Defense Lawyers Association Workshop/Tour - November 8, 2010
2010	Ohio Innocence Project Director Mark Godsey August 16, 2010
2010	Ohio Innocence Project – Law Student Lab Tour and Workshop DDC - August 12, 2010
2010	Innocence Network Conference Expert Panelist – Advanced Topics in DNA Atlanta, GA – April 16 - 18, 2010
2010	University of Kentucky/KY Innocence Project

	Lexington, KY – February 5, 2010
2010	Northern Kentucky University/KY Innocence Project Highland Heights, KY – January 29, 2010
2009	Kentucky Innocence Project LaGrange, KY - November 3, 2009
2009	Ohio Criminal Defense Lawyers Association Seminar Columbus, OH – October 23, 2009
2009	New Orleans Innocence Project New Orleans, LA – September 23, 2009
2009	Greater Cincinnati Defense Lawyers Association Cincinnati, OH – August 12, 2009
2009	Kentucky Innocence Project: RFP Presentation Frankfort, KY – May 13, 2009
2009	Florida Association of Criminal Defense Lawyers Death Penalty Seminar - CLE Seminar: Orlando, Florida - March 26, 2009
2009	Innocence Network Conference Expert Panelist – Advanced Topics in DNA South Texas College of Law; Houston, Texas March 21, 2009
2009	Kentucky Department of Public Advocacy Eastern Kentucky University Law School "Forensic DNA Basics & Legal Applications in Sexual Assault Cases" February 6, 2008
2009	Kentucky Department of Public Advocacy Northern Kentucky University Law School "Forensic DNA Basics & Legal Applications in Sexual Assault Cases" January 30, 2008
2008	Arkansas Association of Criminal Defense Lawyers CLE Seminar: "Forensic DNA Basics & Legal Applications" Fayetteville, Arkansas - November 21, 2008
2008	Ohio Innocence Project and University of Cincinnati Law School Laboratory Tour and DDC Overview DDC - July 29, 2008
2008	FBI - Cincinnati "Collection of Evidence for DNA Analysis and Mock Crime Scene Workshop" DDC - June 25, 2008
2008	Kentucky Department of Public Advocacy University of Kentucky Law School "Forensic DNA Basics & Legal Applications in Sexual Assault Cases" February 6, 2008

2008	Kentucky Department of Public Advocacy Eastern Kentucky University Law School "Forensic DNA Basics & Legal Applications in Sexual Assault Cases" February 1, 2008
2008	Kentucky Department of Public Advocacy Northern Kentucky University Law School "Forensic DNA Basics & Legal Applications in Sexual Assault Cases" January 30, 2008
2007	Lake County Bar Association's Criminal Law Committee Seminar "Forensic DNA Basics & Legal Applications in Sexual Assault Cases" Milwaukee, Wisconsin - October 5, 2007
2007	Union Township/Amelia Police Departments "Collection of Evidence for DNA Analysis and Mock Crime Scene Workshop" DDC - May 17, 2007
2007	University of Cincinnati Clinical and Lab Science Program "DNA Basics, Serology and Evidence Collection Workshop" DDC - April 12, 2007
2007	Harris County Criminal Defense Lawyers Association "Forensic DNA Basics, DNA Evidence Collection/Serology Workshop" Houston, Texas - March 29, 2007
2007	Lee County Sheriff Office and State Prosecutor Office "Collection of Evidence for DNA Analysis and Y-STR Roundtable Workshop" Ft. Myers, Florida - February 5 - 6, 2007
2006	Ohio Association of Criminal Defense Lawyers Death Penalty Seminar - CLE Seminar: "Forensic DNA Basics & Legal Applications" Columbus, Ohio - November 16, 2006
2006	Kentucky Department of Public Advocacy CLE Seminar: "Forensic DNA Basics & Legal Applications and Mock Crime Scene Workshop" DDC - August 25, 2006
2006	Indian Hill Student Program (AP Biology Class – Seniors) "DNA Basics, Serology and Evidence Collection Workshop" DDC - May 16, 2006
2006	Ohio Innocence Project and University of Cincinnati Law School Laboratory Tour and DDC Overview DDC - May 1, 2006
2006	University of Cincinnati Clinical and Lab Science Program "DNA Basics, Serology and Evidence Collection Workshop" DDC - April 20, 2006
2006	Kentucky Association of Criminal Defense Lawyers CLE Seminar:

	"Forensic DNA Basics & Legal Applications and Mock Crime Scene Workshop" DDC - March 16 - 17, 2006
2006	Indiana Public Defender's Office CLE Seminar: "Forensic DNA Basics & Legal Applications" Indianapolis, Indiana - February 24, 2006
2006	Law Enforcement (Cincinnati area) Workshop "Collection of Evidence for DNA Analysis and Mock Crime Scene Workshop" DDC - January 27, 2006
2005	Central Ohio Association of Criminal Defense Lawyers CLE Seminar: "DNA Trends and Forensic Applications" Columbus, Ohio - July 27, 2005
2005	International Association for Identification: 90 th International Educational Conference "Forensic DNA Technology"
2005	Dallas, Texas - August 9, 2005 Greater Cincinnati Criminal Defense Lawyers Association CLE Seminar: "DNA Trends and Forensic Applications" DDC - July 11, 2005
2005	Law Enforcement Agencies in Fredricksburg and Travis County, Texas "DNA Basics and Collection of Evidence for DNA Analysis" June 1 - 2, 2005
2005	Law Enforcement Agencies in Southern Ohio "Collection of Evidence for DNA Analysis and Mock Crime Scene Workshop" DDC - January 22, 2005; February 18, 2005; March 4, 2005; March 15, 2005; March 23, 2005; May 27, 2005; July 29, 2005
2004	DNA Diagnostics Center: Cincinnati Law Enforcement Agencies "Collection of Evidence for DNA Analysis and Mock Crime Scene Workshop" DDC Open House- August 19, 2004
2004	University of Cincinnati: Clinical Laboratory Science Program "Molecular Applications in Forensics" DDC - April 12, 2004
2004	Corporate Accounts "Forensics Overview" DDC - March 17, 2004
2004	HIT Conference (Homicide Investigators of Texas) "DNA Diagnostics Center Presentation" Ft. Worth, Texas - March 2, 2004
2003	DNA Diagnostics Center (upper management) "CODIS Presentation" November 12, 2003
2003	DNA Diagnostics Center (upper management) "AFQAM Presentation" October 10, 2003

2003	DNA Diagnostics Center (DDC departments) "2004 Forensic Overview"
2003	March 6, 2003 DNA Diagnostics Center (laboratory) "AAFS Presentation"
2002	February 27, 2003 DNA Diagnostics Center (upper management) "Collection of Evidence for DNA Analysis" December 8, 2002
2002	Police Academy - Cuyahoga County Coroner's Office "Collection of Evidence for DNA Analysis" Cleveland, Ohio - January 22, 2002
2002	CCCO Forensic Pathologists Meeting "STR Analysis and Probability Statistics" Cleveland, Ohio - January 4, 2002
2001	Independence School System (High school) "Forensic Science Techniques and DNA Analysis" Cleveland, Ohio - May 5, 2001
2001	Women In Science: Career Workshop "Hands-On Workshop in Forensics" Cuyahoga Community College Cleveland, Ohio - January 13, 2001
2000	Ohio State Coroner's Association Education Conference "DNA Collection: A How-To Guide and its Application in Forensics" Cleveland, Ohio - May 5, 2000
2000	Moreland Hills Police Department Tour of Cuyahoga County Coroner's Office "DNA Analysis in Forensics" Cleveland, Ohio - November 1, 2000 and November 7, 2000
2000	Solomon Schecter Day School of Cleveland (Middle school) "Forensic Science Techniques and DNA Analysis" Cleveland, Ohio - January 10, 2000
1999	Society of Applied Spectroscopy Conference "Forensic Science Techniques and DNA Analysis" October 28, 1999
1999	Broadview Heights Detectives and Patrolmen "Crime Scene Seminar and Forensic Science Workshop" Broadview Heights, Ohio - September 30, 1999
1999	Twinsburg High School "Forensic Science Techniques and DNA Analysis" Cleveland, Ohio - April 13, 1999
PROFESSIONAL ASSOCIATIONS:	International Society for Forensic Genetics
	INTERNATIONAL MOCIETY FOR POTENSIC LICENSTICS

Julie Heinig - CV

American Academy of Forensic Sciences Association of Forensic Quality Assurance Managers Midwestern Association of Forensic Scientists

TESTIFIED AS EXPERT WITNESS:

Battle Creek, MI 2019 – Defense Circleville, OH 2019 – Defense Painesville, OH 2018 – Defense Cleveland, OH 2018 – Defense Clearwater, FL 2018 – Defense; hearing Columbus, OH 2018 – Defense Cleveland, OH 2018 – Defense Athens, OH 2018 – Defense Columbus, OH 2018 - Defense Colorado Springs, CO 2017 – Defense Fairfield, OH 2017 – Prosecution; deposition Dayton, OH 2017 - Prosecution Fairfield, OH 2017 - Civil; deposition Fairfield, OH 2017 – Defense; deposition Delaware, OH 2017 – Defense Cherry Hill, NJ 2017 - Civil/Defense Covington, KY 2017 - Defense Delaware, OH 2017 – Defense Gainesville, FL 2017 – Defense Lebanon, OH 2017 – Defense; hearing New York, NY 2017 – Civil/Defense; deposition Canton, OH 2016 - Defense Cleveland, OH 2016 – Defense Cleveland, OH 2016 – Defense Cleveland, OH 2016 – Defense Lebanon, PA 2016 – Defense Warsaw, NY 2015 – Defense Columbus, OH 2015 – Defense Akron, OH 2015 - Defense Tampa, FL 2015 – Defense Ft. Lauderdale, FL 2015 – Defense Frankfort, KY 2015 - Defense West Palm Beach, FL 2015 – Defense West Palm Beach, FL 2015 – Defense Jacksonville, FL 2015 – Defense West Palm Beach, FL 2014 – Defense Fairfield, OH 2014 – Defense; deposition Tampa, FL 2014 – Defense Fairfield, OH 2014 – Defense; deposition Xenia, OH 2014 - Defense Orlando, FL 2014 – Defense Fairfield, OH 2014 – Defense; deposition Washington, DC 2014 - Defense Ft. Myers, FL 2014 – Prosecution Fairfield, OH 2014 – Defense; phone testimony Pampa, TX 2014 – Defense Columbus, OH 2014 – Defense Medina, OH 2014 – Defense Gainesville, FL 2013 – Defense

Zanesville, OH 2013 – Defense

Fairfield, OH 2013 – Defense; deposition

Cincinnati, OH 2013 – Defense

Akron, OH 2013 – Defense

Cincinnati, OH 2013 – Defense

Washington, DC 2013 - Defense

Lima, OH 2013 – Defense

Paducah, KY 2013 – Defense

Merrillville, IN 2013 – Defense

Fairfield, OH 2013 – Defense

Merrillville, IN 2013 – Defense

Washington, DC 2013 – Defense

Fayetteville, WV 2013 – Defense

Clearwater, FL 2013 – Defense

Portland, OR 2012 – Defense

Fairfield, OH 2012 - Defense

Fairfield, OH 2012 – Defense

Welland, ON 2012 – Defense

Akron, OH 2012 – Defense

Elyria, OH 2012 – Defense

Fairfield, OH 2012 – Defense

Fairfield, OH 2012 - Defense

Fairfield, OH 2012 – Prosecution

Taylorsville, KY 2012 – Defense

Wauseon, OH 2012 – Defense

Covington, KY 2012 – Defense

Accomac, VA 2012 - Civil

Fairfield, OH 2012 – Civil; deposition

Ottawa, IL 2012 – Prosecution/Defense

Fairfield, OH 2012 – Civil; deposition

Fairfield, OH 2012 – Defense; phone testimony

Columbus, OH 2012 – Defense

Fairfield, OH 2011 – Defense; phone testimony

Fairfield, OH 2011 – Defense; deposition

Aurora, IL 2011 – Defense

Eureka, CA 2011 – Defense

Toledo, OH 2011 – Defense

Toledo, OH 2011 – Defense

Fairfield, OH 2011 – Civil; deposition

Toledo, OH 2011 - Defense

Huntington, WV 2011 – Defense

Bradenton, FL 2011 – Defense

Crestview, FL 2011 – Defense

Jackson, TN 2011 - Prosecution

Fort Wayne, IN 2011 - Prosecution

Fairfield, OH 2010 – Defense; deposition

Covington, KY 2010 – Defense

Chagrin Falls, OH 2010 – Defense

Toledo, OH 2010 – Prosecutor

Lafayette, LA 2010 – Defense

Fairfield, OH 2010 – Defense; phone testimony

Akron, OH 2010 – Defense

Ft. Myers, FL 2009 – Prosecution

Cuyahoga County, Cleveland, OH 2009 – Prosecution

Wilmington, OH 2009 – Defense

Lake City, FL 2009 – Defense Cincinnati, OH 2009 – Defense Lake City, FL 2009 – Defense Cincinnati, OH 2009 – Prosecution

Ft. Myers, FL 2009 – Prosecution; deposition

Fairfield, OH 2009 – Defense New York, N.Y. 2009 – Defense St. Petersburg, FL 2009 – Prosecution

Cuyahoga County, Cleveland, OH 2009 – Prosecution

Ft. Myers, FL 2008 – Prosecution Iron Mountain, MI 2008 – Defense Washington, D.C. 2008 – Defense

Fairfield, OH 2008 – Prosecution; deposition

Davenport, IA 2008 – Defense

Cuyahoga County, Cleveland, OH 2008 – Prosecution

Toledo, OH 2008 – Defense

Cuyahoga County, Cleveland, OH 2007 – Prosecution

Prestonburg, KY 2007 – Defense

Whitman County, WA 2007 – jury trial; testify by phone; listen to 3 experts – Defense

Livingston County, Pontiac, IL 2007 – Prosecution

Cuyahoga County, Cleveland, OH 2007 – Voir Dire -Prosecution

Washington, D.C. 2007 – Defense

Cuyahoga County, Cleveland, OH 2006 – Prosecution

Lima, OH 2006 – Defense

Cincinnati, OH 2006 – Civil Matter; deposition

Hamilton County, Cincinnati, OH 2006 Juvenile Court – Defense

Lucas County, Toledo, OH 2005 – Defense

Naval Station, Bremerton, WA, 2005 – Prosecution Hamilton County, Cincinnati, OH, 2005 – Defense

State Attorneys Office Lee County, Ft. Myers, FL 2005 – Prosecution

Ashland County and Richland County, OH 2002

Cuyahoga County, Cleveland, OH 1999, 2000, 2001 and 2002

RECOGNITION/AWARDS:

1998 **Open Scholarship**, University of Toronto

1994 Seminar Series Award for Best Speaker, Department of Anatomy and Cell

Biology, University of Toronto.

1992 **Open Scholarship**, University of Toronto

1991 Scarborough College Graduate Student Award, University of Toronto.

PUBLICATIONS:

Sheets, K.M., M. L. Baird, **J. A. Heinig**, D. Davis, M. Sabatini, D. B. Starr. 2017. A Case of Chimerism-Induced Paternity Confusion: What ART Practitioners can do to Prevent Future Calamity for Families. Journal of Assisted Reproduction and Genetics. https://doi.org/10.1007/s10815-017-1064-6

Heinig, J.A. (2007) *The Use and Significance of Y-STR Testing*, The DDC Link: Forensic Newsletter, Fall, 2007.

- Heinig, J.A. (2007) DNA from Fingerprints. Columbus Bar Association; Lawyer's Quarterly, Fall 2007.
- **Heinig, J.A.** (2007) One DNA Test.. Many Interpretations.. Reasonable Doubt? The DDC Link: Forensic Newsletter, July, 2007.
- Heinig, J.A. (2007) DNA from Fingerprints. The DDC Link: Forensic Newsletter, April, 2007.
- Youson, J.H., **Heinig, J.A.**, Khanam, S.F., Sower, S.A., Kawauchi, H., and Keeley, F.W. (2006) Patterns of propiomelanocortin and proopiocortin gene expression and immunohistochemistry for gonadotropin-releasing hormones (1GnRH-I and III) during the life cycle of a nonparasitic lamprey: Relationship to this adult life history type. *Gen Comp Endo.*, 148:54-71.
- Heinig, J.A. (2005) DNA from Fingerprints. Northern Kentucky Bar Association; August/September 2005.
- **Heinig, J.A.**, Keeley, F.W., Kawauchi, H., and Youson, J.H. (1999) Expression of proopiocortin and proopiomelanotropin during the life cycle of the sea lamprey (*Petromyzon marinus*). *J. Exp. Zool.*. 283:95-101.
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