

## *Kelly McGill Carroll*

### *Position*

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Forensic Scientist III

### *Employer*

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Johnson County Sheriff's Office Crime Laboratory  
11890 S. Sunset Dr.  
Olathe, KS 66061  
(913) 826-3250

### *Duties*

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Accepting evidence into the biology/ DNA section, utilizing necessary techniques for forensic examinations and evaluations, issuing written reports on findings, and testifying in court when necessary.

### *Education*

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**M.S. in Forensic Science**  
University of Illinois at Chicago  
July 2004

**B.S. in Chemistry (w/ honors)**  
University of Missouri-Columbia  
May 2003

### *Training*

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Completed biology/DNA training program at the Johnson County Sheriff's Office Crime Laboratory.

### *Relevant Work Experience*

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#### **Certified Technical Assessor (Body Fluid Analysis/DNA) – American Society of Crime Lab Directors/Laboratory Accreditation Board – 2012 to present**

Work as an independent assessor to perform assessments of crime laboratories doing forensic biological and DNA analysis. Confirming that labs are following the requirements of the Quality Assurance Standards for DNA testing laboratories, ISO/IEC 17025:2005, and the ASCLD/LAB-*International* supplemental requirements.

**DNA Technical Auditor – National Forensic Science Technology Center – 2009 to present**

Work as an independent contractor to perform DNA audits of laboratories doing forensic DNA analysis. Confirming that labs are following the requirements of the Quality Assurance Standards for DNA laboratories

**Adjunct Professor – Johnson County Community College – 2007 to present**

Teach a 3 hour lecture course – Introduction to Forensics – as part of the Administration of Justice degree program.

**Evidence Technician – Illinois State Police Forensic Science Center in Chicago – 2004**

Handled evidence in the biology/DNA section for the outsourcing projects, maintaining a satisfactory chain of custody. Organized and maintained records for all outsourced evidence. Prepared quality control cases for outsourcing.

**DNA Lab Technician – Paternity Testing Corporation – Columbia, MO – 2001 to 2003**

Performed STR/PCR and RFLP analysis on paternity and forensic case specimens.

**Teaching Assistant – University of Missouri-Columbia – 2002 to 2003**

Taught discussion sections and laboratory classes for Chemistry 15 – chemistry for non-majors.

**Research Assistant – University of Missouri-Columbia – 2001 to 2003**

Analytical Chemistry research w/ Dr. Sheryl Tucker – HPLC separations.

**Continuing Education**

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Mid-America 2013 Forensic DNA Conference

Columbia, MO – April 10-11, 2013

American Academy of Forensic Sciences 65<sup>th</sup> Annual Meeting

Washington, DC – February 18-23, 2013

ASCLD/LAB-International Assessor Training

Oklahoma City, OK – Oct 15-19, 2012

CODIS 7.0 Hands-on Training

Austin, TX – June 26-28, 2012

CODIS 7.0 Required Training Modules

Computer based – Completed June 21, 2012

Mid-America 2012 Forensic DNA Conference

Columbia, MO – April 11-12, 2012

The NIJ Conference 2011 – DNA grantee

Washington D.C. – June 20-22, 2011

Forensic Relationship Training

Presented by Kelly Beatty, MS of Marshall University

Huntington, WV – March 21-24, 2011

American Academy of Forensic Sciences 63<sup>rd</sup> Annual Meeting

Chicago, IL – February 23-26, 2011

Midwestern Association of Forensic Scientists 39<sup>th</sup> Annual Meeting

Kansas City, MO – October 7-8, 2010

Bloodstain Pattern Analysis for DNA Analysts Workshop

Presented by Michael Van Stratton and Kevin Weiner

Kansas City, MO – October 5, 2010  
Advanced GeneMapper® ID-X Software Training  
Mission, KS – August 10-12, 2010  
Mid-America 2010 Forensic DNA Conference  
Columbia, MO – April 7-8, 2010  
20<sup>th</sup> International Symposium on Human Identification  
Las Vegas, NV – October 12-15, 2009  
FBI DNA Auditor Training  
Washington D.C. – November 13-14, 2008  
14<sup>th</sup> National CODIS Conference - FBI  
Washington D.C. – November 10-12, 2008  
19<sup>th</sup> International Symposium on Human Identification  
Los Angeles, CA. – October 13-16, 2008  
NIJ 2008 Conference – DNA grantee  
Washington D.C. – July 21-23, 2008  
Mid America 2008 Forensic DNA Conference  
Columbia, MO – April 15-17, 2008  
Mixture Workshop – Mid-America DNA Conference  
Presented by George Carmody, PhD and Brian Harmon, PhD  
Columbia, MO – April 15, 2008  
Mid America 2007 Forensic DNA Conference  
Columbia, MO – April 3-5, 2007  
Y-STR Workshop – Mid-America DNA Conference  
Presented by Ruth Montgomery & Jason Wycoff  
Columbia, MO – April 3, 2007  
CODIS software training from FBI/SAIC  
Washington D.C. – March 26-30, 2007  
American Academy of Forensic Sciences 59<sup>th</sup> Annual Meeting  
San Antonio, TX – February 19-24, 2007  
Kansas City Police Department Crime Scene School  
Kansas City, MO – October 9-27, 2006  
Mid America 2006 Forensic DNA Conference  
Columbia, MO – April 3-5, 2006  
Paternity Statistics Workshop – Mid-America DNA Conference  
Presented by David Gjertson, PhD  
Columbia, MO – April 3, 2006  
DNA Statistics Workshop – Mid-America DNA Conference  
Presented by George Carmody, PhD  
Columbia, MO – April 3, 2006  
Workshop – Advanced Topics in STR DNA Analysis – AAFS Meeting  
Presented by John Butler, PhD and Bruce McCord, PhD  
Seattle, WA – February 20, 2006  
American Academy of Forensic Sciences 58<sup>th</sup> Annual Meeting  
Seattle, WA – February 20-25, 2006  
Paternity Statistics Workshop – Midwestern Assoc. of Forensic Scientists  
Presented by Dr. Martin Tracey

St. Louis, MO – October 4, 2005  
Mid America 2005 DNA Conference  
Columbia, MO – March 22-23, 2005  
Statistics Workshop presented by Charles Brenner, PhD  
Columbia, MO – March 23, 2005  
American Academy of Forensic Sciences 57<sup>th</sup> Annual Meeting  
New Orleans, LA – February 21-26, 2005  
American Academy of Forensic Sciences 56<sup>th</sup> Annual Meeting  
Dallas, TX – February 2004

### **Research Publications and Presentations**

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- Kelly McGill Carroll**, “Forensic Science for the 21<sup>st</sup> Century: Advances in DNA Technology”, presented for the Kansas County and District Attorneys Association Meeting, Overland Park, KS, October 21, 2008.
- Kelly McGill Carroll**, Johnson County Crime Lab DNA Section, “Update on NIJ DNA Grants at Johnson County”, poster presentation for the NIJ Conference, Washington D.C., July 21-23, 2008.
- Kelly E. McGill**, “Interesting Case Presentation: If a Gun Could Talk”, presented at the 2007 Mid-America DNA Conference, Columbia, MO, April 4, 2007.
- Kelly E. McGill**, “Advances in DNA Technology / Genetic Application to Forensic Science”, presented for Penn Valley Community College, Kansas City, MO, March 8, 2007.
- K.E. McGill**, A. Karl Larsen, “Validation Study for the Separation and Identification of BZP and Other Piperazine-Derived Designer Drugs for Forensic Application Using Liquid Chromatography/Mass Spectroscopy” Master’s Project, Univ. of Illinois at Chicago, July 2004.
- K.E. McGill**, C. Mao, S.A. Tucker, “Micellar Liquid Chromatography of Polycyclic Aromatic Hydrocarbons: Alkylpyridinium Chloride as Mobile Phase Modifier and Selective Fluorescence Quencher”, presented at the American Chemical Society National Meeting, New Orleans, March 24, 2003.
- C. Mao, **K.E. McGill**, S.A. Tucker, “Optimization of Micellar Liquid Chromatographic Separation of Polycyclic Aromatic Hydrocarbons by the Addition of a Second Organic Additive”, submitted for publication in *J. Chromatogr. A*.
- C. Mao, **K.E. McGill**, S.A. Tucker, “Micellar Liquid Chromatography of Polycyclic Aromatic Hydrocarbons: Alkylpyridinium Chloride as Mobile Phase Modifier and Selective Fluorescence Quencher”, accepted for publication in *Journal of Separation Science*.
- K.E. McGill**, S.A. Tucker, “High Performance Liquid Chromatography Separation of Polycyclic Aromatic Hydrocarbons with Selective Fluorescence Quenching”, an Honors Thesis presented to the University of Missouri-Columbia Chemistry Dept., December 19, 2002.
- K.E. McGill**, S.A. Tucker, “High Performance Liquid Chromatography Separation of Polycyclic Aromatic Hydrocarbons with Selective Fluorescence Quenching”, presented for Arts and Science Undergraduate Research Mentorship Program, July 31, 2002.

### ***Professional Organizations***

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Midwestern Association of Forensic Scientists

Member – 2008 to present

Training and Education Committee member – 2008-2010

American Academy of Forensic Sciences

Full member – 2009 to present

Associate Member – 2007 - 2009

Trainee Affiliate – 2005 -2006

Student Affiliate – 2004

American Chemical Society

Student Affiliate – 2003 to 2004

Alpha Chi Sigma Chemistry Fraternity

Kansas City Professional Group – 2008 - present

President – Delta Chapter – 2002

Social Chair – Delta Chapter – 2001

Member – Delta Chapter – 2000 to lifetime

### ***Awards and Honors***

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Johnson County Sheriff's Office S.T.A.R. award for work in the DNA section – 2013

Johnson County Sheriff's Office Unit Citation for work on 2008 NIJ Cold Case DNA Grant –  
2008 to 2011

Member of the Forensic DNA Co-op for the Hurricane Katrina Identification Effort –  
Baton Rouge, LA – June 2006

ACS Kolthoff Award for Undergraduate Research - 2003