

# Jason Kolowski, Ph.D., F-ABC

Washington D.C. Department of Forensic Sciences  
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Washington D.C. 20024  
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## EMPLOYMENT

### **Director, Forensic Science Laboratory.**

Department of Forensic Sciences, Washington D.C.  
*November 13, 2012- Present*

### **Acting Director, Forensic Science Laboratory.**

Department of Forensic Sciences, Washington D.C.  
*October 15<sup>th</sup>, 2012- November 13, 2012*

**Laboratory Manager/ DNA Technical Leader.** Forensic Biology Unit, Trace Evidence Unit, Department of Forensic Sciences, Washington D.C.  
*October 1<sup>st</sup>, 2012- November 5<sup>th</sup>, 2012*

**Laboratory Manager/ DNA Technical Leader.** Department of Forensic Biology, Metropolitan Police Department, Washington D.C.  
*May 21<sup>st</sup>, 2012- September 30<sup>th</sup>, 2012*

**LIMS Administrator.** New York City Department of Health  
Office of Chief Medical Examiner. 421 E 26<sup>st</sup> St. New York, NY 10016  
*November 17<sup>th</sup>, 2011 to May 11<sup>th</sup>, 2012.*

**Criminalist IV.** Dept. of Forensic Biology. New York City Department of Health  
Office of Chief Medical Examiner. 421 E 26<sup>st</sup> St. New York, NY 10016  
*April 23<sup>rd</sup>, 2007 to May 11<sup>th</sup>, 2012.*

**Criminalist III.** Mitochondrial DNA Lab. New York City Department of Health  
Office of Chief Medical Examiner. 520 1<sup>st</sup> Ave. New York, NY 10016  
*January 14<sup>th</sup>, 2004 to April 23<sup>rd</sup>, 2007.*

**Criminalist II.** Mitochondrial DNA Lab. *October 14<sup>th</sup>, 2003 to January 14<sup>th</sup>, 2004.*  
Dept. of Forensic Biology. *October 14<sup>th</sup>, 2000 to October 14<sup>th</sup>, 2003.*  
New York City Department of Health. Office of Chief Medical Examiner. 520 1<sup>st</sup> Ave. New York, NY 10016

**Criminalist I.** Dept. of Forensic Biology. New York City Department of Health  
Office of Chief Medical Examiner. 520 1<sup>st</sup> Ave. New York, NY 10016  
*October 12<sup>th</sup>, 1999 to October 14<sup>th</sup>, 2000.*

## PROFESSIONAL AFFILIATIONS

- Member - American Academy of Forensic Sciences. *January 2001*  
Fellow - American Board of Criminalistics. *February 2002*  
Member - American Board of Criminalistics Credentials Committee.  
*July 2011*  
Member - Northeastern Association of Forensic Sciences. *January 2003*  
Member - Disaster Mortuary Operational Response Team, NDMS.  
*August 2003*  
Member - American Chemical Society. *March 2008*  
Reviewer - Forensic Science International : Genetics. *May 2009*

## EDUCATION

**Doctor of Philosophy.** Graduate Center, City University of New York.  
Course of Study: **Biochemistry**  
*June 2012*  
Dissertation- "*Characterization of Mitochondrial DNA Heteroplasmy at Five Hotspots within the HVI Region of Post-Mortem, Formalin Fixed Paraffinized Human Liver Cells*"

**Master of Philosophy.** Graduate Center, City University of New York.  
Course of Study: **Biochemistry**  
*February 2009*

**Master of Science.** John Jay College of Criminal Justice, CUNY.  
Course of Study: **Forensic Science**  
*October 2003*

**Bachelor of Arts.** Cornell College. Mount Vernon, Iowa.  
Majors: **Biochemistry/Molecular Biology and Philosophy**  
Minor: **Chemistry**  
*May 1998*

## PUBLICATIONS

"A Comparison Study of Hair Examination Methodologies." *Journal of Forensic Sciences*, November 2004. Vol. 49, No. 6.

"A Modified Hair Extraction Technique for Mitochondrial DNA Analysis." *Proceedings from the American Academy of Forensic Sciences Annual Meeting*, February 2005. Vol. 11, B130.

*Forensics Demystified.* Textbook, McGraw-Hill Companies. Copyright 2007.  
Co-author, along with Dave Fisher and Barry Fisher.

## **GRANTS AND AWARDS**

Lucas Grant- from The Forensic Sciences Foundation, Incorporated. 2009

Doctoral Student Research Grant- from the Research Grant Program for CUNY  
Doctoral Students. 2010.

## **LABORATORY EXPERIENCE**

Internship for Lab Research in Internal Medicine. *Summer 1993*

Internship in Forensic Biology. *Summer 1999*

Employment in Forensic Biology Laboratory. OCME-NYC. *Fall 1999-Spring 2012*

WTC recovery effort /family reference sample identification.  
*September 11, 2001-February 23, 2005*

American Airlines flight 587 victim identification.  
*November 12, 2001 - December 13, 2001*

Mitochondrial DNA Analysis. OCME-NYC. *October 13<sup>th</sup>, 2003 – May 11<sup>th</sup>, 2012*

LIMS testing and implementation team, OCME-NYC. *August 2010 – May 2012*

## **HONORS**

Eagle Scout. Troop 331 Omaha, Nebraska. *Class of 1991*

Founding Member, U.S. Department of Homeland Security. *March 1<sup>st</sup>, 2003*

Young Alumni of the Year. Cornell College, Mt. Vernon, Iowa. 2008

## **MEETINGS/WORKSHOPS/LECTURES ATTENDED**

Population Statistics- *OCME - April 2000*

Laboratory Instrumentation Seminars- *OCME - May 2000*

CODIS Workshop- *OCME - May 2000*

Blood Spatter Interpretation Workshop- *OCME - June 2000*

F.B.I. mitochondrial DNA analysis course- *FBI Academy - 7/22/01 to 8/3/01*

Forensic Science Educational Conference- *Pace University- 10/25/02 to 10/27/02*

Presented by the American Academy of Forensic Sciences:

-Steering Committee Member

-Roundtable Discussion Leader- Criminalistics

-Workshop Presenter : Pattern Matching & Impression Evidence  
: Forensic DNA Analysis

Northeastern Association of Forensic Scientists (NEAFS)-

Annual Meeting- *Atlantic City, NJ - 11/5/02- 11/7/02*

Awareness Level HAZMAT training- *Dept. of Justice/OCME - 4/24/03 to 5/15/03*

Operations Level HAZMAT training- *Dept. of Justice/OCME - 7/13/03*

American Academy of Forensic Sciences (AAFS)-

Annual Meeting- *New Orleans, LA - 2/21/05 - 2/26/05*

Forensic Hair Analysis Workshop- *Cedar Crest College - 5/25/05*

DNA Auditor Training Workshop- *FBI/OCME - 11/28/07-11/29/07*

Professionalism in the Forensic Sciences- *NY state DCJS/OCME- 4/1/08 - 4/3/08*

ASCLD/LAB International Preparation Course- *New York City- 5/6/08 - 5/8/08*

NIJ Annual Conference- *Crystal City, VA- 6/18/12-6/19-12*

## PRESENTATIONS

ABI 310 Capillary Electrophoresis

To the NYC OCME Dept. of Forensic Biology. *May 3<sup>rd</sup>, 2000*

To NYC OCME Criminalist II's- Training Lecture. *Sept. 1<sup>st</sup>, 2000*

DNA & Electrophoresis- at Queens College Science Fair. *January 10<sup>th</sup>, 2002*

Forensic Science & DNA-

To Millard West High School - Omaha, NE. *April 6<sup>th</sup>, 2001*

To Jerico High School - Hicksville, NY. *February 8<sup>th</sup>, 2002*

To Grover Cleveland High School - Queens, NY. *February 15<sup>th</sup>, 2002*

Pattern Matching & Impression Evidence- at Pace University for the AAFS Forensic Science Educational Conference. *October 25<sup>th</sup>, 2002*

Forensic DNA Analysis- at Pace University for the AAFS Forensic Science Educational Conference. *October 27<sup>th</sup>, 2002*

A Modified Hair Extraction Technique for Mitochondrial DNA Analysis- at the Annual Meeting for the American Academy of Forensic Sciences. *February 25<sup>th</sup>, 2005*

Week-long lecture series on Forensic Science & DNA Analysis at Cornell College, to the Forensic Science chemistry 102/263 classes. *May 22<sup>nd</sup> to May 26<sup>th</sup>, 2006*

Aftermath: Forensic Science & the NYC 2001 Disasters

To Cornell College - Mt. Vernon, IA. *March 5<sup>th</sup>, 2002*

To Millard West High School - Omaha, NE. *March 7<sup>th</sup>, 2002*

To Coe College - Cedar Rapids, IA. *May 23<sup>rd</sup>, 2006*

To Cornell College - Mt. Vernon, IA. *May 25<sup>th</sup>, 2006*

To the NYC OCME Dept. of Forensic Biology. *August 9<sup>th</sup>, 2011*

To Skutt Catholic High School - Omaha, NE. *October 10<sup>th</sup>, 2011*

To Millard West High School - Omaha, NE. *October 11<sup>th</sup>, 2011*

The ABC's of DNA

To the Office of the Bronx County District Attorney, NYC. *May 22, 2008*

To the Office of the Kings County District Attorney, NYC. *October 22, 2008*

To the Office of Attorney General, Washington D.C. *August 23, 2012*

Characterization of Mitochondrial DNA Heteroplasmy at Five Hotspots within the HVI Region of Post-Mortem, Formalin Fixed Paraffinized Human Liver Cells

To the NYC OCME Dept. of Forensic Biology. *May 2<sup>nd</sup>, 2012*

## **TESTIMONY EXPERIENCE**

- Grand Jury- Bronx District Attorneys Office:  
*November 26<sup>th</sup>, 2002; December 4<sup>th</sup>, 2003; June 30<sup>th</sup>, 2005;  
July 6<sup>th</sup>, 2005; August 24<sup>th</sup>, 2005; May 14<sup>th</sup>, 2007;  
September 14<sup>th</sup>, 2010*
- Grand Jury- Brooklyn District Attorneys Office:  
*April 21<sup>st</sup>, 2003; April 30<sup>th</sup>, 2003; November 16<sup>th</sup>, 2004;  
November 14<sup>th</sup>, 2007; December 17<sup>th</sup>, 2007;*
- Grand Jury- Manhattan District Attorneys Office:  
*October 17<sup>th</sup>, 2002; February 5<sup>th</sup>, 2004; January 27<sup>th</sup>, 2006;*
- Grand Jury- Queens District Attorneys Office:  
*April 2<sup>nd</sup>, 2002; July 18<sup>th</sup>, 2002; August 6<sup>th</sup>, 2002; May 7<sup>th</sup>, 2003;*
- Supreme Court- Bronx District Attorneys Office:  
*September 17<sup>th</sup>, 2002; July 10<sup>th</sup>, 2003; July 11<sup>th</sup>, 2003;  
July 14<sup>th</sup>, 2003; December 3<sup>rd</sup>, 2009;*
- Supreme Court- Brooklyn District Attorneys Office:  
*April 4<sup>th</sup>, 2006; March 19<sup>th</sup>, 2008; May 20<sup>th</sup>, 2009;*
- Supreme Court- Manhattan District Attorneys Office:  
*April 19<sup>th</sup>, 2011; October 26<sup>th</sup>-27<sup>th</sup>, 2011;*
- Supreme Court- Queens District Attorneys Office:  
*June 22<sup>nd</sup>, 2006; June 23<sup>rd</sup>, 2006; December 2<sup>nd</sup>, 2010;*