

Carl A. Sobieralski Jr.
550 West 16th Street, Suite C
Indianapolis, in 46202

Education: Indiana University at South Bend
Degree: Bachelor of Science
Major: Biology

Indiana University-Purdue University at Indianapolis
Degree: Masters of Science
Major: Biology

Articles Published:

Greenspoon, S.A., Ban, J.D., Pablo, L., Crouse, C.A., Kist, F.G., Tomsey, C.S., Glessner, A.L., Mihalacki, L.R., Long, T.M., Heidebrecht, B.J. Braunstein, C.A., Freeman, D.A., Sobieralski, C., Bruesehoff, N., Amin, A.S., Douglas, E.K., and Shumm, J.W. ., "Validation and Implementation of the PowerPlex® 16 Bio System STR Multiplex for Forensic Casework," *J. Forensic Sci.* Vol. 49, January 2004, pp. 71-80.

Comey, C.T., Koons, B.W., Presley, K.W., Smerick, J.B., Sobieralski, C.A., Stanley, D.M., and Baechtel, F.S., "**DNA Extraction Strategies for Amplified Fragment Length Polymorphism Analysis,**" *Journal of Forensic Sciences, JFSCA*, Vol. 39, No. 5, September 1994, pp.1254-1269.

Epperson, K.S., and Sobieralski, C.A., "**DQ Alpha Validation and Population Study for Indiana,**" *Midwestern Association of Forensic Scientists, Inc.*, Vol. 23, No. 2, April 1994, pp. 21-25.

Bille, T.W., Epperson, K.S., Sobieralski, C.A., Steinbruck, J.M., Mayer, S.F., Hertle, G.E., Conley, R.S., Foroud, T. and Conneally, M., "**Validation Studies on the PM System and Population Database for Indiana,**" *Crime Laboratory Digest*, Vol. 22, No. 4, October 1995, pp. 116-122.

Career Enhancements:

- Currently DNA Supervisor of the DNA South Zone Unit
- Currently Statewide Technical Leader for the DNA unit.

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- Currently performing DNA casework for the Indiana State Police Laboratory.
- ASCLD/ LAB Legacy and international Assessor.
- Diplomat of The American Board of Criminalists (D-ABC) since July 2000
- DAB Audit Document Auditor
- NFSTC Inspector
- FQS ISO Assessor
- Attended and successfully completed ASCLD/ LAB Inspector School. (October 2001)
- Attended and successfully completed DNA Audit Document Auditor Training. (October 2001, December 2004 and May 2008)
- Instructor in Forensics at Concordia University and Ivy Tech State College (Since 2002)
- Attended and successfully completed Instructor Development School (March 2002)
- Completed 40 hour course in Blood Spatter (April 2002)
- Performed Trace casework for the Indiana State Police Laboratory (ISP). (July 1999 – June 2001)
- Currently work as a Chemist on the ISP Clandestine Laboratory Team.
- Member of Clandestine Laboratory Investigating Chemists (CLIC)

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- Member of International Association of Bloodstain Pattern Analysts (IABPA)
- Testified as an expert witness over 100 times, which include the areas of Glass, DNA, Serology, Arson Clandestine Lab Recognition, Lamps and Hair.
- Statistics Workshop (November 2004)
- Capillary gel Analysis training (August 2004)
- Attended and successfully completed the DEA Clandestine Laboratory Investigation and Analysis Certification course. (August 2000).
- Attended and successfully completed Basic Mass Spectral Interpretation (May 2000).
- Attended and successfully completed Methamphetamine Clandestine Laboratory Investigation and Analysis (June 2000).
- Worked on the Internal Validation and population studies for PowerPlex 1.1, DQA1, PM, and D1S80 systems.
- Lectured numerous times of Forensic Science and DNA.
- Worked on the Internal Validation studies for PowerPlex 16
- Attended the Advanced DNA technology Workshop (May 03 and May 04)
- Attended the Megaplex STR Meetings (March 02 through March 04)
- Attended the Promega STR Meetings (1996, 2001 2003, 2007)

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- Attended the Promega STR Educational Forum (September 2001 and 2003)
- Petroleum Refinery Process Workshop (April 2001)
- Chemistry of Color Workshop (April 2001)
- Examination of trace evidence with FT-IR workshop (October 1999)
- Microtomy for trace evidence workshop (April 2000)
- Color Analysis for Trace Evidence workshop (April 2000)
- Attended and successfully completed Annual Clan Lab Recertification (2000-2006)
- Attended the American Academy Meeting. (February 1997)
- Attended the Promega STR Workshop. (May 1997)
- Attended the Promega Statistics Workshop. (September 1996 and October 2001)
- Member of Member of Midwestern Association of Forensic Scientists (MAFS). Attended the 90, 94, 95, 96, 99 and 2006 meetings.
- Attended the SAFS 1999 meeting.
- Attended the MAAFS/ SAFS 2001 meeting.
- Worked full time with the FBI on projects for the development of Amp-flps as a visiting scientist. (February 1992-June 1992)
- Attended and successfully completed the FBI Advanced aspects of forensic DNA analysis course. (March 1992)

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- Attended and successfully completed the FBI Forensic Application of DNA Typing Methods Course (along with lab). (January 1992-February 1992)
- Attended and successfully completed the Roche Molecular Systems Forensic AmpliType PCR Amplification and Typing Workshop. (March 1993)
- Working serological and hair cases for the ISP Laboratory. (June 1992-present)
- Successfully completed the ISP training program in forensic serology and hair comparisons. This included enzyme typing and traditional hair comparisons.
- Attended and successfully completed the FBI Basic Forensic Serology Course. (February 1991)
- Attended and successfully completed the Analytical Genetic Testing Center's Isoelectric Focusing course. (June 1991)
- The Indiana University Medical Center employed me as a Sr. Research Technician, which exposed me to DNA analysis. The work required the DNA analysis of leukemia patients for abnormalities in Chromosomes 9 and 22. This required the manipulation of DNA with restriction enzymes. The ability to get vectors in and out of plasmids which are contained in bacteria. The ability to perform Southern Blots and the subsequent development of autoradiograms. To label probes with ³²P. An understanding of biochemistry, molecular biology, tissue culture, restriction enzymes, and radioactive

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probes as it pertains to DNA isolation, purification, and examination. Learned the techniques, application, and uses for PCR as it pertains to DNA and RNA. (November 1989-May 1990)

- Successfully completed radiation safety course and was lab room radiation safety officer. (December 1989)