

KEITH E. PETERSEN INMAN
Assistant Professor
California State University, East Bay

PROFESSIONAL EXPERIENCE

Keith Inman holds a B.S. and MCrim., both from the University of California at Berkeley. He has been a Fellow of the American Board of Criminalistics. In his professional career he has been employed as a criminalist by the Orange County Sheriff's Department, the Los Angeles County Sheriff's Department, the Los Angeles County Chief Medical Examiner-Coroner, the Oakland Police Department, and the California Department of Justice DNA Laboratory. He was in private practice for six years at Forensic Science Services of CA Inc., as well as Forensic Analytical Sciences, Inc. Both were private crime laboratories which undertook prosecution and defense work. He currently is an Assistant Professor in the Criminal Justice Administration department at California State University, East Bay. He has also taught a variety of general forensic science and forensic DNA courses for the University of California at Berkeley Extension and on-line. He has co-authored [*An Introduction to Forensic DNA Analysis*](#), a book that has become a preeminent reference for both attorneys and crime laboratories, and [*Principles and Practice of Criminalistics: The Profession of Forensic Science*](#), a book aimed at practicing criminalists. He is frequently invited to speak at various legal symposia and forensic conferences and is active as an independent consultant and expert witness in forensic DNA.

PROFESSIONAL AFFILIATIONS

California Association of Criminalists

EDUCATION

B.S., Criminalistics, University of California, Berkeley 1974
M.Crim (Criminalistics), University of California, Berkeley 1978

**ADDITIONAL ACADEMIC AND SPECIALIZED TRAINING COURSES
(CREDITED)**

Forensic Application of DNA Technology to Forensics, FBI Training Academy, 1990
General Genetics, University of California, 1991

SPECIALIZED TRAINING COURSES (NON-CREDITED)

Bloodstain Pattern Institute, Elmira College, 1980
Basic Microscopy, McCrone Research Institute, 1981
Advanced Forensic Microscopy, McCrone Research Institute, 1982
Non-Isotopic Analysis of DNA, Allo-Type Genetic Testing Center, 1988
DNA in Forensic Science, University of California, Riverside, 1990
Cetus PCR Amplitype Course, 1991
Advanced DNA Methods, FBI, 1991
Population Genetics and Statistics for Forensic Biology, 1992

DNA-PCR AFLP: D1S80, 1996
DNA-PCR STR Analysis and Typing, 1998
STR Training, 1998
CODIS/SDIS Training, 1998
Shooting Incident Reconstruction, 2004

OTHER PROFESSIONAL EXPERIENCE

2008-Present Assistant Professor, California State University, East Bay, Department of Criminal Justice Administration, Hayward, CA
2003-2011 Senior Forensic Scientist, Forensic Analytical Specialties, Inc. Hayward, CA
1997-2008 Instructor, California State University East Bay, Dept of Criminal Justice Administration, Hayward, CA
2001: Invited Lecturer, University of Lausanne, Institut de police scientifique et de Criminologie, Switzerland
1995-2003 Senior Criminalist, California Department of Justice, DNA Laboratory, Berkeley. CA
1994 Oakland Police Department, Oakland, CA
1990-1994 Senior Criminalist California Department of Justice DNA Laboratory, Berkeley
1983-1990 Criminalist Forensic Science Services of California, Inc., Signal Hill, CA
1982-1983 Research Criminalist Los Angeles County Chief Medical Examiner-Coroner Los Angeles, CA
1982 Criminalist III Los Angeles County Sheriff's Department Los Angeles, CA
1978-1982 Criminalist II Los Angeles County Sheriff's Department Los Angeles, CA
1978 Criminalist Orange County Sheriff-Coroner Santa Ana, CA

PEER-REVIEWED PUBLICATIONS

Mnookin, JL. Cole, SL. Dror, IE. Fisher, BAJ. Houck, MN. Inman, K. Kaye, DH. Koehler, JJ. Langenburg, G. Risinger, DM. Rudin, N. Siegel, J. & Stoney, DA. The Need for a Research Culture in the Forensic Sciences. *58 UCLA L. REV.* 725

Jason R. Gilder, Keith Inman, William Shields, and Dan E. Krane, Magnitude-dependant variation in peak height balance at heterozygous STR loci. *International Journal of Legal Medicine*. 10.1007/s00414-009-0411-2. Published on-line Feb. 10, 2010

Jason R. Gilder; Travis E. Doom; Keith Inman; and Dan E. Krane. Run-Specific Limits of Detection and Quantitation for STR-based DNA Testing. *Journal of Forensic Sciences* 52 p.97-101 2007

Inman, K., and Rudin, N. The origin of evidence. *Forensic Science International* 126 p.11-16 2002

Rudin, N. and Inman, K. Exonerated by Science. Invited editorial. *Jurimetrics J.* 37: 319-323 (1997)

LETTERS

Krane, et.al. Time for DNA Disclosure. *Science* 326 p. 1631 December 18, 2009

Krane, et.al. Sequential Unmasking: A Means of Minimizing Observer Effects in Forensic DNA Interpretation. *Journal of Forensic Sciences*. 53(4) p.1006-1007 2008

Brenner, C. and Inman, K. Commentary on: How the Probability of a False Positive Affects the Value of DNA Evidence. *Journal of Forensic Sciences* 49: p.192-193 2004

Inman, K., Hardin, G., Sensabaugh, GF, and Thornton, JI. Concerning the solubility of sugar in gasoline. *Journal of Forensic Sciences* 38: p.757 1993

NON-PEER REVIEWED PUBLICATIONS

Inman, K. Some Observations on Gene Frequency Data. *Forensic Serology News* 6: p.1 1980

BOOKS

Rudin, N. and Inman, K. 2002 An Introduction to Forensic DNA Typing, 2nd Edition CRC Press 292pp

Inman, K. and Rudin, N. 2000 Principles and Practice of Criminalistics CRC Press 392pp

Inman, K. and Rudin, N. 1997 An Introduction to Forensic DNA Typing CRC Press 285pp

Rudin, N and Inman, K. 1994 DNA Demystified: An Introduction to Forensic DNA Typing. 121pp

BOOK CHAPTERS

Inman, K. **The Collection and Preservation of Physical Evidence** in The Los Angeles County Protocol for the Treatment of Rape and Other Sexual Assaults. Los Angeles Commission on the Status of Women 1981

Inman, K. **Laboratory Examination of Physical Evidence** in The Los Angeles County Protocol for the Treatment of Rape and Other Sexual Assaults. Los Angeles Commission on the Status of Women 1981

Rudin, N., Inman, K., Stolovitsky, G, and Rigoutsos, I **DNA Based Identification in Biometrics: Personal Identification in Networked Society** Kluwer Academic Publishers 1999

Inman, K., and Rudin, N. **Scientific Basis of DNA Typing and Overview of Forensic DNA Typing in Forensic Evidence**. California District Attorneys Association 1999 (ISBN: 1-889110-13-2)

PRESENTATIONS

Inman, K. and Thornton, JI. 1973 Aspects of color perception in microscopy. California Association of Criminalists Abstracts

Inman, K. And Thornton, JI. 1976 Development of a discrimination index for use in forensics California Association of Criminalists Abstracts

Inman, K. And Sensabaugh, GF. 1976 Immunological cross-reactivity of prostatic acid phosphatase. California Association of Criminalists Abstracts

Inman, K. And Thornton, JI. 1977 Development of a discrimination index for use in forensics American Academy of Forensic Sciences Annual Meeting

Inman, K. 1977 Effectiveness of acid phosphatase determinations by acrylamide gel electrophoresis in sex offense cases California Association of Criminalists Abstracts

Inman, K. 1979 Problems in the use of amylase phenotyping in sexual assault evidence. California Association of Criminalists Abstracts

Inman, K. 1980 The forensic examination of feces. California Association of Criminalists Abstracts

Inman, K. 1980 The forensic examination of feces American Academy of Forensic Sciences Annual Meeting

Inman, K., White, J., and Linhart, R. 1981 Improved sensitivity and lowered cost in the sub-typing of PGM by isoelectric focusing. California Association of Criminalists Abstracts

Inman, K., and Fisher, B., 1982 Computer compilation of selected genetic marker phenotypic frequencies. American Academy of Forensic Sciences Annual Meeting

Inman, K. Crime Lab: Analysis of physical evidence in sexual assault cases. The Delphi 3: p.1 1982

Inman, K. 1984 Zapped by an aluminum painting pole. California Association of Criminalists Abstracts

- Inman, K. 1984 Vertical discontinuous acrylamide electrophoresis: a valuable forensic tool. Proceedings of the International Symposium on Electrophoresis (FBI)
- Inman, K. 1985 Levels of exclusion on semen analysis. California Association of Criminalists Abstracts
- Inman, K. 1985 A different approach to the use of P30 quantitation in the estimate of semen dilution. California Association of Criminalists Abstracts
- Inman, K. 1989 Determining the order of deposition of a dried bloodstain and a fingerprint is not reliable. American Academy of Forensic Sciences Annual Meeting
- Inman, K. , and Shanfield, MS. Discovery of a new Gm*F B0,S haplotype in the Mexican-American population . American Academy of Forensic Sciences Annual Meeting
- Inman, K. , and Sugiyama, DM A modified wedge-shaped polyacrylamide iso-electric focusing gel for PGM subtyping in blood and semen. American Academy of Forensic Sciences Annual Meeting
- Inman K., Konzak K., Brewer L., Buoncristiani M., Gima L., Horne M., Pierson M., Rudin N., Sims G., and Bashinski J. 1992. Establishing a Matching Guideline within the California Department of Justice DNA Laboratory. AAFS Meeting Abstracts. 85.
- Rudin N, Konzak K, Gima L, Brewer L, Buoncristiani M, Horne M, Inman K, Ma M, Pierson M, Sims G, and Bashinski J. 1992. A Systematic Study of the Effect of Various Environmental Abuses on RFLP and PCR Analysis of Forensic Samples. AAFS Meeting Abstracts. 85.
- Rudin N, Buoncristiani M, Horne M, Inman K, Myers, S, Sims G, and Bashinski J. 1992. A Systematic Study of the Effect of Various Environmental Abuses on RFLP and PCR Analysis of Forensic Samples. Proc. Third Int'l Symposium on Human ID. 421-422.
- Rudin N, Konzak K, Gima L, Brewer L, Buoncristiani M, Horne M, Inman K, Ma M, Pierson M, Sims G, and Bashinski J. 1992. A Systematic Study of the Effect of Various Environmental Abuses on RFLP and PCR Analysis of Forensic Samples. J. For. Sci. Soc. **32**:274-275.
- Horne ME, Inman KP , Brewer LM , and Pierson ML. 1992. DNA Extraction by Organic and Non-organic Procedures from Blood Standards Dried on Cloth and Filter Paper. J. For. Sci. Soc. **32**:263
- Inman, K. Konzak, K. Gima L., Buoncristiani M., Dowden D., Bashinski J., Thompson L., Gregonis D., and Jones D. 1993. Demonstration of Concordance of RFLP Results Between Laboratories Contributing to the CAL-DNA Profiling Data Bank. Proc. of the Second International Symposium of the Forensic Aspects of DNA Analysis. 22.
- Rudin, N. and K. Inman. 1993. Development of Minisatellite Variant Repeat (MVR) analysis for Forensic Samples. Proc. Fourth International Symposium on Human ID. 235.

Rudin, N. and K. Inman. 1993. Evaluation of Minisatellite Variant Repeat (MVR) analysis for Forensic science. J. For. Sci. Soc. **33**:192.

Inman, K. 1993. Quantitative Variation in Molecular Weight of Environmentally Abused Samples Subjected to RFLP Analysis. J. For. Sci. Soc. **33**:125-126

Lee, S.B., M. Ma, B. McNamee, G. Sims and K. Inman. 1995. Rapid Microwave Extraction and Quantitation of DNA from blood for RFLP and PCR. AAFS meeting Abstracts. 36.

Inman, K. and Kung, Y. 1996 Case Report: The Identification of Brothers in a Single Rape Evidence Semen Sample California Association of Criminalists 1996 Spring Semi-Annual Seminar

Rudin, N. and K. Inman. 1999 The Evolution of Forensic Science California Association of Criminalists 1999 Spring Semi-Annual Seminar

Inman, K., and Rudin, N. 1999 The Origins of Evidence California Association of Criminalists 1999 Spring Semi-Annual Seminar

Inman, K. 1999 Hit Confirmation Protocols for state of California 1999 CODIS Conference Washington DC November 1999

Inman, K. 2001 Education of the Forensic DNA Analyst. Conference on DNA and the Law Duquesne University

Inman, K. 2004 The historical development of the practice of forensic science: By what standards do we practice our discipline? Forensic Bioinformatics 3rd Annual Conference

Inman, K. 2006 Objective characterization of degradation/inhibition Forensic Bioinformatics 5th Annual Conference

Inman, K. 2006 Run-specific limits of quantitation and detection (an alternative to minimum peak height thresholds) California Association of Criminalists 2006 Fall Semi-Annual Seminar

Inman, K. 2008 Crime lab fundamentals: What to expect from a crime lab from design to record keeping. Forensic Bioinformatics 7th Annual Conference

Krane, et.al. 2008 Implementing sequential masking procedures International Association of Forensic Sciences

Inman, K 2008 Facilitating Communication and Collaboration Between the Forensic Science Community and the Innocence Movement (Panel Moderator) California Association of Criminalists 2008 Fall Semi-Annual Seminar

Krane, et.al. 2009 Sequential Unmasking: Determining What Information is Crucial and What is Extraneous in a Forensic Analysis American Academy of Forensic Sciences 2009 Annual Meeting

PROFESSIONAL ORGANIZATIONS AND ACTIVITIES

California Association of Criminalists

Chair, DNA Committee, California Association of Criminalists (1994 - 1995)

Speaker, NRC Committee on DNA in Forensic Science, November 1994

Author, Amicus Curiae Brief to the California Supreme Court from the California Association of Criminalists

AWARDS

Distinguished Service Award, California Association of Criminalists, May 2009

Distinguished Member Award, California Association of Criminalists, October 2009

COURT TESTIMONY

Expert testimony in the following subjects

DNA

Serology

Hair

Shoeprints

Bloodstain Pattern Interpretation

Crime Scene Evidence Collection

Crime Scene Reconstruction

Expert testimony in the following jurisdictions

Testimony has been delivered in state municipal and superior courts, and three grand juries in California; in federal courts in California and Nevada; and in superior courts in Arizona, Idaho, Michigan, Nevada, Ohio, Oklahoma, and Washington.

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