

Jeffery L. Zehnder
Forensic Toxicologist, B.S.F.S.

Clinical Toxicologist Scientist
 Forensic Alcohol Supervisor
 California Dept. of Health Services

Curriculum Vitae

Revised: March 10, 2016

EDUCATION:

Bachelor of Science in Forensic Science
 Chemistry Teaching Minor
 California State University, Sacramento, Jan 1976
 AA Degree, Cosumnes River College, 1973

LICENSE/CERTIFICATES:

Clinical Toxicologist Scientist

California Department of Health Services 1977

Forensic Alcohol Supervisor

California Department of Health Services 1985

Forensic Alcohol Analyst

California Department of Health Services 1976

Forensic Urine Drug Testing (FUDT) Laboratory Scientific Director

College of American Pathologists, 1992 -2002

Certified Diplomat

American College of Forensic Examiners, 1996

Standardized Field Sobriety Testing

National Highway Traffic Safety Administration (NHTSA)

Qualified as an Administrator of Standardized Field Sobriety tests (2006)

Qualified as an Instructor of Standardized Field Sobriety tests (2011)

FUDT LABORATORY INSPECTOR CERTIFICATE

COLLEGE OF AMERICAN PATHOLOGISTS, JANUARY 2000

ROBERT BORKENSTEIN COURSE ON THE EFFECTS OF DRUGS ON HUMAN PERFORMANCE AND BEHAVIOR

INDIANA UNIVERSITY STUDIES OF LAW IN ACTION NOVEMBER 2013

EXPERIENCE:

March 2016 to Present:

Forensic Toxicologist Consultant: Jeffery L. Zehnder, Forensic Toxicologist



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February 1984 to March 2016:

Laboratory Director/Founder, Drug Detection Laboratories, Inc.
 Forensic Alcohol Laboratory (1985 to Present)
 Licensed Forensic Urine Drug Testing (FUDT) Laboratory 1992-2000

July 1983 to September 1985:

Clinical Toxicologist, University of California Davis Medical Center.

1981 to 1983:

Supervising Toxicologist: Roche/Consolidated Biomedical Laboratories.
 Supervision of 6 Toxicologists, R&D of new testing methods, Routine testing of
 Clinical/Forensic Specimens.

1975 to 1981:

Forensic / Clinical Toxicologist: Sacramento Clinical Laboratories. Forensic
 and clinical toxicology testing on biological and solid dose materials.

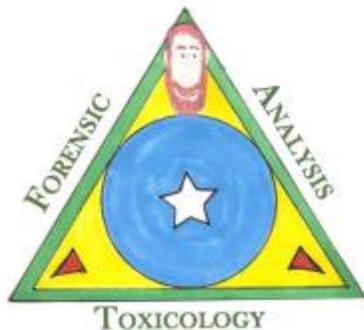
Forensic Toxicology Experience and Research:

Ethanol and drug analysis on over 100,000 specimens (blood, urine and solid dose). Experience includes participation in organized seminars and police department ride-a-longs, studying and observing the effects of alcohol on human performance. Personal experience in conducting controlled experiments on over 75 individuals evaluating the effects of alcohol on field sobriety tests and driving tests. In addition, correlation tests involving alcohol metabolism studies on over 1000 people in personally controlled experiments.

Testimony Experience:

Cases involving Alcohol, Drugs, and Human performance (Driving, FSTs, Etc.)
 Civil and Criminal Courts:

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|--------------------------------------|------------------------------------|
| Superior, Municipal, Federal Courts: | Over 2000 appearances in 40 years. |
| DMV Administrative Hearings: | Over 2000 times in California. |



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Qualified as an expert in cases regarding alcohol, drugs, human performance in relation to alcohol and drug intoxication and forensic toxicology in civil and criminal in California and some other states (Nevada, Utah, Louisiana).

Professional Organizations:

California Association of Toxicologists (CAT)
 American Academy of Forensic Scientist (AAFS)
 American College of Forensic Examiners (ACFE)

PUBLICATIONS:

Evidence of Alcohol Intoxication, Chapter 6 of SCIENTIFIC EVIDENCE IN CALIFORNIA CRIMINAL CASES, Continuing Education of the BAR, California; September 2008.

Understanding Urine Drug Testing, Part I, Family Law Counselor Issue #76, Sacramento County Bar Association, April 1999.

Understanding Urine Drug Testing, Part II, Family Law Counselor Issue #77, Sacramento County Bar Association, May, 1999.

Understanding Urine Drug Testing, Part III, Family Law Counselor Issue #78, Sacramento County Bar Association, June, 1999.

Does Dilution Mean Dirty?, Family Law Counselor Issue #85, Sacramento County Bar Association, June, 1999.

Myths and Truths of Drug Testing, Family Law Counselor Issue #87, Sacramento County Bar Association, March, 2000.

Unreliability of Hair Testing to Determine Drug Use, Family Law Counselor Issue #101, Sacramento County Bar Association, May, 2001.



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Drug Testing A Practical Tool For Intervention and Treatment, Professional Counselor Vol. 4, No. 5, March/April 1990, pg 32-37.

Employment Drug Testing Does It Really Work?, Professional Counselor Vol 4, No. 6, May/June 1990. Pg. 39, 54.

Guest Lecturer/Speaker:

DUI Evidence Discovery, Strategies in Defending DUI cases in California, Lorman Education Services, Sacramento, January 9th, 2008.

While You Were Sleeping (Current State of Drug Testing Industry), California Association of Toxicologists Quarterly Meeting, San Francisco, June, 2006.

Scientific Aspects of 11550 and DUI Cases, California Public Defenders Association Annual Meeting, Monterey, June 11, 2005.

Alcohol, Alcohol Metabolism & Alcohol Testing in DUI, Solano County Public Defender Seminar, Fairfield, November 5th, 2005.

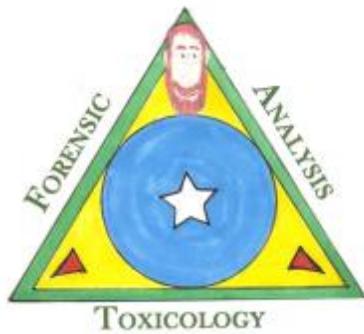
Substance Abuse Testing, Minor's Counsel Training Seminar, McGeorge School of Law, Sacramento, January 11th, 2002.

Child Custody Drug Testing, Minor's Counsel Meeting, Sacramento, August 23rd, 2000.

Hair, Sweat, Saliva Drug Testing, HOST, California Association of Toxicologists Quarterly Meeting, February 5th, 2000.

Drug Testing Procedures/Limitations, Sacramento County Bar Family Law Section Luncheon, February 1st, 2000.

Urine Drug Testing for Child Custody Cases, Sacramento County Bar Family Law Luncheon Seminar, Sacramento, August 23rd, 2000.



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A Primer on Forensic Toxicology and Alcohol Metabolism, Strategies in Handling DWI and DUI Cases in California, Volume II, Sacramento, September 15th, 1999.

Urine Drug Testing For Child Custody Cases, Sacramento County Bar Family Law Luncheon Seminar, Sacramento, September 29th, 1998

What Happened to Science in DUI, Expert's Night 1998, California Deuce Defenders, June 23rd, 1998, Berkely, California.

Understanding the In's and Out's of Breath Alcohol Testing, State Bar of Nevada Annual Meeting, December 5th, 1996, Sparks, Nevada.

Understanding the In's and Out's of Breath Alcohol Testing, State Bar of Nevada Annual Meeting, December 6th, 1996, Las Vegas, Nevada.

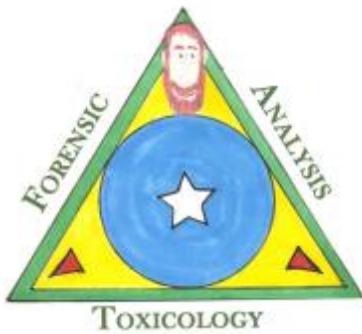
Drug Analysis and Cross Examination of an Expert Toxicologist/Criminalist, Seminar sponsored by Criminal Defense Lawyers of Sacramento, May 24th, 1995.

DUI Alcohol Evidence, Luncheon -San Joaquin Public Defender Seminar, Stockton, CA, January 20th, 1995.

Breath, Blood, Urine Alcohol Evidence, Northern California Deuce Defenders Association, San Francisco, May 14th, 1991.

Coping with Scientific Evidence, Annual Meeting, California Public Defenders Association (CPDA), September 28th, 1991, Coronado Island, CA.

Strengths and Weaknesses of Drug Testing Procedures in 11550 Cases, California Public Defenders Association 4th Annual Defending Misdemeanor Cases, Sacramento, CA, February 23rd 1991.



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Urine Alcohol Analysis Evidence, Northern California Deuce Defenders Association Dinner Meeting, San Francisco, September 24th, 1991.

Alcohol Metabolism and Blood/Urine Evidence, Northern California Deuce Defenders Association Dinner Meeting, San Francisco, January 9th, 1990.

Toxicology and Chemistry, Bella Vista High School Chemistry Club, November 4th, 1990, Sacramento, CA.

Forensic Toxicology (Drug Testing in Family Law), Sacramento County Bar Association, Family Law Section, November 6th, 1990, Sacramento, CA.

Chemistry in Solid Dose Analysis, Sacramento County Public Defender Luncheon Seminar, February 12th, 1989.

Drug Testing Adolescents, Del Campo High School Parent/Student Meeting, April 12th, 1988.

Scientific Evidence and Expert Testimony, Marin County Bar Association Annual Meeting, November 15th, 1986.

Drug Detection in Urine, California Correctional Peace Officer's Association (CCPOA) Meeting, December 20th, 1986