

Curriculum Vitae

Ronald L. Moore

Forensic Toxicologist
Impaired Driving Toxicology
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EDUCATION

1. Degrees

Bachelor of Science, Biology, University of California at Riverside, 1988.

Juris Doctor, Western State University College of Law, 2003.

Earl Warren Scholarship: Four-Year Full Tuition Scholarship

Valedictorian, Magna Cum Laude

Certificate in Criminal Law, Criminal Law Practice Center

Law Review: Technical Editor, Managing Editor, Senior Managing Editor

President, Criminal Law Association, 2000-2003

Witkin Award for Academic Excellence (former American Jurisprudence Award)

Criminal Law, Criminal Justice Ethics, Torts I, Torts II, Juvenile Law,

Professional Skills II, Property II.

Passed California Bar Examination, July 2003.

California State Bar # 231786, Admitted to practice 7/2/04

United States Supreme Court, Admitted to practice 5/18/09

Associate of Arts, Culinary Arts, Saddleback College, 2009.

Master of Science, VMS - Forensic Toxicology, University of Florida, 2018.

2. Additional Training and Education

General Forensics

1. Post graduation course work in Chemistry (five units) and Forensic Science (three units), 1988 - 1990
2. J & W Scientific seminar, "Gas Chromatography for Drugs of Abuse," five hours, 1989
3. Online Forensic Science Informational Resources, California Criminalistics Institute, Eric Moser, eight hours, 1991

4. Basic Forensic Microscopy, Ed Rhodes, six hours, 1994
5. Courtroom Presentation of Evidence, Richard Koniescka, eight hours, 1994

Forensic Alcohol

1. Southern California Research Institute, "Evidence for Alcohol Impairment at 0.08% Blood Alcohol Content," eight hours, 1990
2. California Association of Toxicologists seminar, "Driving Under the Influence (DUI) of Alcohol/Drugs," eight hours, 1990
3. Forensic Alcohol Supervisor Course, California Department of Justice, forty hours, 1991
4. "Forensic Alcohol Analysis and Toxicology," A.W. Jones, Ph.D., sixteen hours, 1992
5. Alco-Sensor IV-XL Maintenance School, Intoximeters, Saint Louis, MO, twenty-eight hours, 2003
6. DUI Seminar, POST certified. Cavanaugh & Associates, Laguna Niguel, CA thirty-six hours, 2004
7. SFST Update, Orange County Sheriff-Coroner Department, Training Division, four hours, 2004
8. DUI and Medical Conditions, California Association of Toxicologists, Sacramento, CA. eight hours, 2005
9. Recent Developments in Alcohol Research, CAC Seminar, Southern California Research Institute. D. Fiorentino and M. Burns, eight hours, 2005
10. Rules of the Road, California Attorneys for Criminal Justice Seminar, Rancho Mirage, CA 2007
11. DUI Seminar, National Association of Criminal Defense Lawyers / National College for DUI Defense, Las Vegas, NE 2007
12. Winter Session, National College for DUI Defense, Waikiki, HI 2008
13. NHTSA / IACP DRE Advanced Course. Impaired Driving Specialists. Tony Palacios. 28 hours. Harrisburg, PA, June 2009.
14. Datamaster DMT Certification. 24 hours, Chuck Rathburn, Los Angeles, CA

October 2011.

15. DRE Overview. Dr. Lance Platt, 16 Hours, Newport Beach, CA, March 2015.

16. Datamaster DMT Overview. 5 hours, Chuck Rathburn, Los Angeles, CA
October 2015.

17. Datamaster DMT Certification. 24 hours, Chuck Rathburn, Los Angeles, CA
May 2016.

EMPLOYMENT

1. **2015 – Present: Forensic Toxicologist, Impaired Driving Toxicology, Lake Forest, CA.** Case Review and Consultation, Expert Witness Appearances, Research, Training and Presentations related to Impaired Driving Toxicology.
2. **2011 – 2015: Forensic Defense Attorney. Law Offices of Virginia L. Landry, Inc. Irvine, CA.** Trial advocacy, motions, DMV Hearings, client retention, case review, video marketing, speaking and writing.
3. **2010 – 2011: Independent Forensic Consultant. Santa Cruz, CA.** Case Review and Consultation, Expert Witness Appearances, Training and Presentations.
4. **2007 – 2010: Forensic Scientist / Attorney at Law, Law Office of Barry T. Simons, Laguna Beach, CA.** Case Review, Discovery, Legal and Scientific Research, Calendar Appearances, DMV Hearings, Web Site Development and Video Production.
5. **Orange County Sheriff-Coroner, Forensic Science Services, Orange County, CA.**

12/2005 – 7/2007. Senior Forensic Scientist, Supervisor of the Forensic Alcohol Section

2003 – 2005. Forensic Scientist III. Forensic Alcohol Section, Intern Advisor.

1995 - 2002. Forensic Scientist III, Firearms and Toolmarks / Crime Scene Investigation Sections. Firearms Examiner. Also responsible for the identification, collection, and preservation of evidence at the scene of crimes.

1993 - 1995. Forensic Scientist III / Senior Criminalist, Firearms Examination/Controlled Substances/Crime Scene Investigation sections. Training in firearms examination as of December 1, 1994. Responsible for the identification of controlled substances. Also responsible for the identification, collection, and preservation of evidence at the scene of crimes; blood alcohol capillary column gas

chromatography method development; breath alcohol training protocol, and student intern advisor.

1991 - 1993. Senior Criminalist, Breath Alcohol section coordinator. Responsible for directing section activities including instrument repair and maintenance, record keeping, operator training, reagent preparation and analysis, court appearances, supplies and parts ordering, subordinate training, and alcohol related research.

1989 - 1991. Criminalist. General laboratory assignments in antemortem toxicology, blood alcohol, and breath alcohol sections. Specific training in instrumental methods of drug analysis, blood alcohol analyses, and repair and maintenance of the Intoxilyzer 5000. Qualified in Municipal Court in drug identification, blood and breath alcohol analysis and interpretation, and in Superior Court in blood alcohol interpretation.

6. **1988 - 1989. California Department of Justice, Riverside Criminalistics Laboratory.** Laboratory Technician. General laboratory support, Evidence Inventory Control, purchasing, limited training in serology and firearms.
7. **1987 – 1988. California Department of Justice, Riverside Criminalistics Laboratory.** Intern. Serology research under the direction of a Criminalist

RESERVE DEPUTY SHERIFF

Completed PC832 in September 1991. Continual service until 2005. Orange County Sheriff-Coroner – Search and Rescue Reserve Unit. Bloodhound Team, Bicycle Patrol, Patrol, Special Events.

AWARDS

1. Orange County Sheriff-Coroner Gold Star Award, 1994
2. Best Scientific Paper Presented at the 84th Semi-annual Conference of the California Association of Criminalists

LICENSES AND CERTIFICATIONS

1. Forensic Alcohol Analyst, California State Department of Health, 1989-1993
2. Forensic Alcohol Supervisor, California State Department of Health, 1993-2007
3. General class amateur radio license, KD6LFF, Federal Communications Commission

4. Diplomate, American Board of Criminalistics, 1995 - 2007
5. Forensic Sobriety Assessment Certified. 2010.
6. Standardized Field Sobriety Testing, LaPier & Associates, 2010.
6. Standardized Field Sobriety Testing Instructor, LaPier & Associates 2011.
7. American Chemical Society, Division of Chemistry and the Law: Lawyer-Scientist, 2014.

CONFERENCE PRESENTATIONS

1. 43rd Annual Conference of the American Academy of Forensic Sciences, "A County-Wide Breath Alcohol Testing Program Utilizing a Modified Intoxilyzer 5000," Anaheim, CA, February 1990.
2. 78th semi-annual seminar of the California Association of Criminalists "Possible Errors in Using Voided Urine For Prediction Of The Phase Of Alcohol Metabolism," Ontario, CA, 1991.
3. 83rd semi-annual seminar of the California Association of Criminalists "E-Mail and the CAC E-Mail Forum," "Putting the Ratio to Rest," Ronald Moore and Martin Breen, "A Comparison of Blood and Breath Alcohol Levels in Arrested Drivers," R. Moore and T. Dickan., Oakland, CA, May 1994.
4. 84th semi-annual seminar of the California Association of Criminalists, a joint meeting of the Forensic Science Society "Human Scent as Evidence," Pasadena, CA, October 1994.
5. California Association of Toxicologists' quarterly meeting, "The California Association of Criminalists E-Mail Forum," CA, November 1994.
6. California State Division of the International Association for Identification, Annual Conference. "Human Scent as Evidence," CA, 1997
7. Western State University College of Law, seminar: "Advances in Forensic Sciences", Fullerton CA, September 2000
8. Community Traffic Safety Forum, Calsafe Program and Center for Trauma and Injury Prevention Research, University of California, Irvine, "The Double Danger of

Drowsy Drunk Drivers,” UCI Medical Center, Orange CA. March 2005.

9. 18th Annual Meeting of the International Association for Chemical Testing, “What Does ‘Under the Influence’ Mean?” “Practical RFI Testing with the Intoximeters Alco-Sensor IV-XL Breath Alcohol Measuring Instrument,” and “Accreditation and Individual Certification in Chemical Testing,” , Madison WI, April 2005.
10. California Association of Toxicologists, Summer Meeting, “The Effect of Breath Freshener Strips on Two Types of Breath Testing Instruments,” Ronald Moore, and Jennifer Guillen, “What Does ‘Under the Influence’ Mean?”, CA, June 2005.
11. California Association of DUI Lawyers, “Cross Examination of the State’s Expert,” Santa Ana, CA, February 2008.
12. Texas Criminal Defense Lawyers Association / National College for DUI Defense, Mastering Scientific Evidence, Presented “Cross Examination of the State’s Expert” Dallas, TX, March 2008
13. California DUI Lawyers Association, “Cross Examination of the State’s Expert,” San Francisco, CA, April 2008
14. National College for DUI Defense, Summer Session, Harvard, “Persuasive Cross Examination of the State’s Expert” Cambridge, MA. July, 2008.
15. The Blood and Urine Seminar, Headlines Marketing, “Science and Law.” “Blood Collection, Storage and Analysis” with Dr. Al Staubus, “Common Drugs of Abuse and Their Effects” With Drs. Al Stabus and Joe Citron, “Equipment Used in Forensic Testing” With Drs. Staubus, Citron, and Fran Gengo, “Death and Serious Injury Cases” with attorneys Pat Barone, Flem Whited, Lenny Stamm, and Dr. Citron, and “DRE Experts and DRE Validation” with Lenny Stamm, December 2008, Atlanta, GE.
16. Maryland Criminal Defense Attorneys Association, “Blood Alcohol Analysis, From the Vein to the Lab” and “Medical Defenses to DUI.”, Baltimore MD, May 2009.
17. The Blood and Urine Seminar, Headlines Marketing, “A Virtual Tour of the Crime Lab,” “Forensic Discovery in DUI Cases” with attorney Troy McKinney, and “False Positives in Drug Screens” with Dr. Joe Citron and Dr. Al Staubus, San Diego, CA, May 2009.
18. Pennsylvania DRE Seminar for Defense Attorneys. “Drugs of Abuse: Field Identification and Laboratory Analysis” Harrisburg, PA, June 2009.

19. California State Bar Convention, "Medical Defenses to DUI: Turn Your Client into a Patient and Win" with Barry T. Simons. San Diego, CA, September 2009.
20. National College for DUI Defense / National Association of Criminal Defense Lawyers, "Medical Defenses for DUI" with Barry T. Simons, and "Inside the Blood Alcohol Lab" Las Vegas, NV, October 2009
21. Monterey County Public Defender's Office. In-service training. "BA's for PD's," Salinas, CA, December 2009
22. National Public Defender's Retreat, "Cross Examination of the State Expert," Las Vegas, NV, April 2010.
23. New York State Bar Association, DWI On Trial, Big Apple X, "Inside the Blood Alcohol Lab," New York, NY, May 2010.
24. Orange County Public Defender's Office, In Service Training, "Approaches to DUI Drugs Cases" Santa Ana, CA, July 2010.
25. Monterey County Public Defender's Office. In-service training. "DREs and FSTs," Salinas, CA, November 2010.
26. Montana Criminal Defense Lawyers Association / Federal Defenders of Montana, "Cross Examination of an Expert Witness" and "Dealing with Impairment in DUI and DUI Drug cases." Bozeman, MT. March, 2011
27. Texas Criminal Defense Lawyers Association / National College for DUI Defense: Mastering Scientific Evidence, "Retrograde Extrapolation for Lawyers." New Orleans, LA, April 2011.
28. Tennessee Criminal Defense Attorney's Association, "Crime Lab Issues" Nashville TN, October 2011.
29. Thomas More Society of Orange County, Specialty Credits Seminar, "Substance Abuse" Tustin CA. February 2012.
30. American Chemical Society, Invited Speaker, "Horizontal Gaze Nystagmus," with Eric Ganci, and "Retrograde Extrapolation, the Perilous Practice of Predicting the Past" San Diego, CA March 2012.

31. Orange County Public Defender's Office, In Service Training, "Defending DUI and DUI Drugs Cases." Santa Ana, CA, March 2012.
32. National College of DUI Defense, Winter Session, "Dealing with Impairment in DUI and DUID Cases." Scottsdale, AZ, January 2013
33. Thomas More Society of Orange County, Specialty Credits Seminar, "Substance Abuse" Tustin, CA. February 2013.
34. Texas Criminal Defense Lawyers Association / National College of DUI Defense, Mastering Scientific Evidence. "Problems with the Intoxilyzer 5000." New Orleans, LA. March 2013.
35. Orange County Criminal Defense Lawyers Association, "Cross Examination of the Crime Lab Expert." Santa Ana, CA. July 2013.
36. Scientific Law Forums, "Retrograde Extrapolation, Really Easy" New Orleans, LA. July 2013.
37. Orange County Criminal Defense Bar Association, "Cross Exam of a Forensic Expert," Santa Ana, CA, February 2014
38. Ohio Criminal Defense Lawyers Association, Invited Speaker, "Lab Scandals" and Trial Skills Instructor, Columbus, OH. March 2014.
39. Texas Criminal Defense Lawyers Association / National College of DUI Defense, Mastering Scientific Evidence. "Retrograde Extrapolation, Really Easy." And mock trial expert witness, New Orleans, LA. March 2014.
40. International Association for Chemical Testing, "How to be a Good Expert Witness, and Expert Witness Panel. Newport Beach, CA April 2014.
41. National College of DUI Defense, Summer Session, "Cross Examination of the Extrapolation Expert." Boston, MA, July 2014.
42. National College of DUI Defense, National Association of Criminal Defense Lawyers, "Cross Examination of Retrograde Extrapolation in Close Cases," and "Cross of the Breath Test Technician" with Virginia L. Landry, Las Vegas, NV. September 2014.
43. West Orange County Bar Association, "Introduction to DUID and DRE" Garden Grove, CA, November 2014.

44. American Academy of Forensic Science, "The Perilous Practice of Predicting the Past" Orlando, FL. February 2015.
45. San Diego Criminal Defense Bar Association, "DUI Defense for Lawyers" San Diego, CA. April 2015.
46. San Diego Public Defender's Office, "DUI Science for Public Defenders" Parts 1 and 2, San Diego, CA. June 2015.
47. Texas Criminal Defense Lawyers Association, "Blood Testing for Drugs" Austin, TX. July 2015.
48. Alabama Criminal Defense Lawyers Association, Advanced DUI / Traffic Homicide Seminar, "Blood Alcohol Analysis and Retrograde Extrapolation" Montgomery, AL. August 2015.
49. South Orange County Bar Association. "Trends in DUI Enforcement" Laguna Beach, CA. September 2015.
50. California DUI Lawyers Association. "Attacking Breath Testing after Van Gelder." Folsom, CA. October 2015.
51. National College For DUI Defense. Cannabis and Cars Seminar. "Analysis of Blood for THC and Calculations Using the Results" Marina Del Rey, CA. January 2016.
52. Texas Criminal Defense Lawyers Association / National College of DUI Defense, Mastering Scientific Evidence. "Alcohol Metabolism and Retrograde Extrapolation." And mock trial expert witness. New Orleans, LA. March 2016.
53. California DUI Defense Lawyers Association. "Breath Testing Basic Training." Fresno, CA. April 2016.
54. California Attorney's for Criminal Justice, "Top 10 Scientific Articles to have in your Trial Bag" Santa Ana, CA. June 2016.
55. DUI Defense Lawyers Association. "Analysis of Blood for THC and Calculations Using the Results." Denver, CO. July 2016.
56. California DUI Lawyers Association. "How to Win a DMV Hearing" and "How to Win a DMV Writ" with Jeremy Brehmer. San Diego, CA. August 2016.

57. American Academy of Forensic Science, "Retrograde Extrapolation as Part of Accident Reconstruction: A Case Study" with Jeremy Brehmer, New Orleans, LA. February 2017.
58. DUI Defense Lawyers Association, "Case Study: Exposing the Flaws in Retrograde Extrapolation" with Jeremy Brehmer. Austin, Tx. April 2017.
59. Tennessee Public Defender's Conference, "BAC's for PD's" Nashville, Tn. May 2017.
60. California Attorneys for Criminal Justice, "Recent Trends in DUI" San Diego, Ca. June 2017.
61. California Attorneys for Criminal Justice, "Recent Trends in DUI" San Jose, Ca. September 2017.
62. Kern County Public Defender's Office. "FSTs: Are They Validated and for What?" And "Attacking Breath Testing after *VanGelder*." Bakersfield, Ca. October 2017.
63. Tennessee Criminal Defense Lawyers Association. "BACs for PDAs" Chattanooga, Tn. October 2017.
64. Newport – Harbor Bar Association. "Recent Trends in DUI Enforcement" Costa Mesa, Ca. January 2018.
65. American Academy of Forensic Science, "Using Field Sobriety Tests as Proof of Driving Impairment" with Jeremy Brehmer, and "What Does 'Under the Influence' Mean in DUI Drug Cases" Seattle, Wa. February 2018.
66. Texas Criminal Defense Lawyers Association / National College of DUI Defense, Mastering Scientific Evidence. "Alcohol Metabolism and Retrograde Extrapolation." And mock trial expert witness. New Orleans, LA. March 2018.
67. California DUI Lawyers Association. "Attacking the Analysis in the DUI Drug Case" Sacramento, CA. April 2018.
68. California Association of Toxicologists, Spring Seminar. "What Does 'Under the Influence' Mean?" Rohnert Park, CA. May 2018. (85)

Presentations delivered by co-authors.

1. California District Attorneys Association, Vehicular Homicide Seminar, "Proving Impairment in Drug (Alcohol) Vehicular Homicide" Martin H. Breen, R. Lynn Howard, Ronald L. Moore, San Francisco, CA, May 2003.
2. 17th Annual Meeting of the International Association for Chemical Testing , "An Update on the Orange County PEBT Program," Robert Reckers and Ronald Moore, and "The Orange County Breath Alcohol Proficiency Testing Program," Martin Breen, Robert Reckers, Ronald Moore, Little Rock, Arkansas, April 25-29, 2004.
3. 17th International Conference on Alcohol, Drugs, and Traffic Safety, T04, "Changing From Stationary to Portable Evidential Breath Testing: a Report on Implementation," and "The Orange County Breath Alcohol Proficiency Testing Program," Martin Breen, Robert Reckers, Ronald Moore, Glasgow, UK, August 8-12, 2004.

PUBLICATIONS

1. "Concerning Breath Alcohol Measurements During Absorption and Elimination," Journal of Analytical Toxicology, Volume 15, November/December 1991, pp 346-347.
2. "Training Methods in Forensic Alcohol Analysis," Martin Breen, Thomas Dickan, Ronald Moore, and Stacy Vallercomp. Proceedings of the 12th International Conference on Alcohol, Drugs, and Traffic Safety, Cologne, Germany, 1992.
3. "Bringing Forensic Science into the 21st Century: Realizing the Potential of Computer Communication," CAC News (California Association of Criminalists), Spring, 1994.
4. "Electronic Communication in Forensic Sciences," Journal of Forensic Sciences, 39(5), September 1994, pp 144-146
5. "Human Scent as Evidence" CAC News Fall, 1995

- 6 The Supreme Court Adopts a New Test and a Civil Negligence Standard Where a Statute lacks an Express Mental Element: The *In Re Jorge M.* case. 28 Western State University Law Review 201 (2001)
- 7 "The Effect of Breath Freshener Strips on Two Types of Breath Testing Instruments," Ronald Moore, and Jennifer Guillen, *Journal of Forensic Science*, 49 (4) July, 2004, pp 829-31.
- 8 "Changing From Stationary to Portable Evidential Breath Testing: a Report on Implementation," Martin Breen, Robert Reckers, Ronald Moore, *Proceedings of the 17th International Conference on Alcohol, Drugs, and Traffic Safety*, T04, Glasgow, UK, August 8-12, 2004. (pending)
9. "The Orange County Breath Alcohol Proficiency Testing Program," Martin Breen, Robert Reckers, Ronald Moore, 17th International Conference on Alcohol, Drugs, and Traffic Safety, T04, Glasgow, UK, August 8-12, 2004. (pending)
10. "Accreditation and Individual Certification in Chemical Testing," *International Association for Chemical Testing Newsletter*, Vol. 16. No. 1, March 2005, pp 15-18.
11. "Challenging an Alcohol Blood Test," With Barry T. Simons, *The Champion* (Journal of the National Association of Criminal Defense Lawyers) May 2009.
12. "Driving Under the Influence of Diabetes" *The Champion*. (Journal of the National Association of Criminal Defense Lawyers) July/August 2011, pp54-55, 63.
13. "The Forensic Approach to DUI Homicide Defense" in *Defending DUI Vehicular Homicide Cases*, Thompson Reuters / Aspatore, 2012, pp. 39-61.
14. "Learning About Forensics: What You Don't Know Can Hurt You, and Your Client" in *Utilizing Forensic Science in Criminal Cases*, Thompson Reuters / Aspatore 2012, pp 49-70.
15. "Medicinal Cannabis and the Law," in *Understanding DUI Scientific Evidence, 2014 Edition*, Thompson Reuters / Aspatore 2014.

CONTRIBUTING EDITOR

1. California Drunk Driving Law. Burglin, Simons, Kuwatch. James Publishing.
2. Intoxication Test Evidence: Criminal and Civil, 2nd Edition. Ed Fitzgerald, Editor. Thompson Reuters. 2014

3. California Drunk Driving Defense, 5th Edition, Taylor & Johnson, Thompson Reuters. 2017

TEACHING POSITIONS

1. "Canines in Forensic Science" Chapman University, Guest Lecturer to Death & the Law. Jackie Berndt - Course Coordinator, 1995, 1996, 1997.
2. Firearms & Death Investigation. POST - Basic Coroners Academy, Orange County Sheriff's Department, Advanced Officer Training Division, 1997 – 2004
3. Firearms and Homicide Investigation. POST Homicide Investigator's Course, Orange County Sheriff's Department, Advanced Officer Training Division, 2001, 2002
4. Forensic Alcohol Supervisor's Course. California Criminalistics Institute, Course # T-109, Rancho Cordova, CA, May 2004
5. LaPier & Associates, Standardized Field Sobriety Testing. Instructor. 2011 – Present.
6. Axion Laboratories, Chicago, IL. American Chemical Society - Assistant Chromatography Instructor. 2012 – present.