

Dr. Luke N. Rodda, Ph.D. MRACI CChem
B.App.Sci.(Hons.) Cert. IV Bus.

Chief Forensic Toxicologist and Director, Forensic Laboratory Division
Office of the Chief Medical Examiner
1 Newhall Street
San Francisco, CA 94124-5328 – United States

APPOINTMENT HISTORY

**Chief Forensic Toxicologist, and
Director, Forensic Laboratory Division**

Office of the Chief Medical Examiner, City and County of San Francisco, California – United States
October 2016 – Present

Assistant Adjunct Professor

Department of Laboratory Medicine, University of California, San Francisco, California – United States
October 2017 – Present

Adjunct Instructor of Forensic Sciences

Center for Health Sciences, Oklahoma State University, Tulsa, Oklahoma – United States
April 2020 – Present

Adjunct Research Associate

Department of Forensic Medicine, Monash University, Melbourne, Victoria – Australia
June 2014 – 2018

**Chief Forensic Toxicologist, Acting
Director, Forensic Laboratory Division, Acting**

Office of the Chief Medical Examiner, City and County of San Francisco, California – United States
July 2016 – October 2016

Forensic Toxicologist Supervisor

Office of the Chief Medical Examiner, City and County of San Francisco, California – United States
May 2016 – July 2016

Forensic Toxicologist

Victorian Institute of Forensic Medicine, Melbourne, Victoria – Australia
January 2006 – May 2016

Tutor and Practical Demonstrator

School of Medical Sciences, RMIT University, Bundoora, Victoria – Australia
January 2008 – December 2008

EDUCATION

Doctor of Philosophy (Forensic Medicine – Forensic Toxicology)

Department of Forensic Medicine
Monash University, Victoria – Australia

Bachelor of Applied Science, Pharmaceutical Sciences – First Class Honors (Nanotoxicology)

School of Medical Sciences
RMIT University, Victoria – Australia

Bachelor of Applied Science, Pharmaceutical Sciences

School of Medical Sciences
RMIT University, Victoria – Australia

Certificate IV in Business, Frontline Management

School of Business
RMIT University, Victoria – Australia

CERTIFICATIONS

- 2020 Certified, Forensic Technical Assessor – ANSI National Accreditation Board (ANAB)
- 2020 Chartered Member (MRACI CChem) – The Royal Australian Chemical Institute
- 2020 Professional Membership (ANZFSS) – Australian and New Zealand Forensic Science Society
- 2017 Certified Title 17 Forensic Alcohol Analyst – State of California, United States
- 2015 Level 1 Accredited Postgraduate Supervisor – Monash University

SERVICE TO ACCREDITATION BODIES

- 2021 Sep Assessor, Full-Cycle – American Board of Forensic Toxicology (ABFT)
- 2021 Apr Assessor, Technical (Toxicology ISO17025:2017) – ANSI National Accreditation Board (ANAB)
- 2020 Oct Assessor, Full-Cycle – American Board of Forensic Toxicology (ABFT)
- 2020 Apr Assessor, Mid-Cycle – American Board of Forensic Toxicology (ABFT)

MEMBERSHIPS OF PROFESSIONAL ASSOCIATIONS

- 2022 – Present President, Board of Directors – Californian Association Toxicologists (CAT)
- 2022 – Present President Elect, California Association of Crime Laboratory Directors (CACLD)
- 2020 – 2022 Vice President, Board of Directors – Californian Association Toxicologists (CAT)
- 2020 – Present National Association of Medical Examiners (NAME)
- 2020 – Present The Council of Forensic Science Educators (COFSE)
- 2019 – Present International Council on Alcohol, Drugs and Traffic Safety (ICADTS)
- 2019 – Present American Society of Crime Laboratory Directors (ASCLD)
- 2018 – Present California Association of Crime Laboratory Directors (CACLD)
- 2017 – Present American Academy of Forensic Sciences (AAFS – USA)
- 2017 – Present International Association for Chemical Testing (IACT)
- 2016 – Present Californian Association Toxicologists (CAT)
- 2016 – Present Californian Association of Criminalists (CAC)
- 2014 – Present Society of Forensic Toxicologists (SOFT)
- 2014 – Present Australian Academy of Forensic Sciences (AAFS – Aus.)
- 2009 – Present The International Association of Forensic Toxicologists (TIAFT)
- 2009 – Present Forensic and Clinical Toxicology Association Inc. of Australasia (FACTA)

2009 – Present Australian and New Zealand Forensic Science Society (ANZFSS)
 2008 – 2011 Australasian Society of Clinical & Experimental Pharmacologists and Toxicologists (ASCEPT)
 2008 – 2010 Mutagenesis and Experimental Pathology Society of Australasia (MEPSA)

PROFESSIONAL COMMITTEES

2021 – Present Member – Postmortem Toxicology Committee (SOFT)
 2021 – Present Member – California Sexual Assault Responses Team (SART) Advisory Committee
 2020 – 2022 Member – Postmortem Toxicology Committee (NAME)
 2020 – 2020 Consensus Panel Member DUID trends and laboratory practices, National Safety Council's (NSC) Alcohol Drugs and Impairment Division's (ADID)
 2019 – Present Chair – Young Scientist Committee (TIAFT)
 2019 – Present Member – California Opioid Task Force (CDPH)
 2018 – 2022 Member – Novel Psychoactive Drugs Committee (TIAFT)
 2018 – Present Member – Oral Fluid Committee (SOFT/AAFS)
 2018 – 2021 Member – C.A. Impaired Driving Task Force, CA Senate Bill No. 94 (CHP)
 Subcommittee Member – Best Practices & Protocols (CHP)
 2018 – Present Member – Strategic Highway Safety Plan, Alcohol and Drug Impaired Driving (DMV)
 2018 – Present Member – Culture, Value, and Diversity Committee (SOFT)
 2017 – 2022 Chair – New and Novel Drugs (CAT)
 2017 – Present Member – International engagement and Global Leaders Network Alumni (Monash University)
 2016 – Present Member – Sexual Assault Response Team, City and County of San Francisco (SART)
 2016 – 2019 Member – Young Scientist Committee (TIAFT)
 2014 – 2016 Member – Victorian Committee, Australian & New Zealand Forensic Science Society (ANZFSS)
 2015 – 2016 Member – Security Response Unit, Emergency Coordination and Business Continuity (VIFM)
 2013 – 2016 Editor – Media and Newsletter, Forensic and Clinical Toxicology Association Inc. (FACTA)
 2012 – 2014 Member – HDR Committee, School of Public Health & Preventive Medicine (Monash University)
 2010 – 2014 Deputy Chief Warden – Occupational Health and Safety Committee (VIFM)
 2009 – 2010 Member – Occupational Health and Safety Committee (VIFM)
 2009 – 2015 Member – Social Club Committee (VIFM)
 2007 – 2008 President – Student & Staff Committee, Pharmaceutical Sciences (RMIT University)

SERVICE TO PEER-REVIEWED JOURNALS, SINCE

2022 Reviewer, Psychopharmacology (Springer Nature)
 2022 Reviewer, Forensic Science International: Synergy (Elsevier)
 2022 Reviewer, American Journal of Clinical Pathology (Oxford)
 2022 Reviewer, Expert Review of Clinical Pharmacology (Taylor and Francis)
 2021 Reviewer, Journal of Analytical Science and Technology (Springer Nature)
 2021 Reviewer, JAMA Psychiatry (AMA)
 2021 Reviewer, Journal of Forensic Science (Wiley)
 2021 Reviewer, JAMA Network Open (AMA)
 2021 Editorial Board, Journal of Analytical Toxicology (Oxford)
 2020 Editorial Board, Forensic Science International Synergy (Elsevier)

- 2020 Reviewer, Forensic Science (WIREs)
- 2019 Guest Editor, SOFT 2020 Special Issue – Journal of Analytical Toxicology (Oxford)
- 2018 Reviewer, Drug Testing and Analysis (Wiley)
- 2018 Reviewer, Journal of Pharmaceutical and Biomedical Analysis (Elsevier)
- 2018 Reviewer, Frontiers in Pharmacology, section Neuropharmacology (Frontiers)
- 2018 Reviewer, Alcohol and Drug Review (Wiley)
- 2016 Reviewer, Journal of Analytical Toxicology (Oxford)
- 2013 Reviewer, Analytical and Bioanalytical Chemistry (Springer Nature)
- 2012 Reviewer (Outstanding), Forensic Science International (Elsevier)

SERVICE TO PROFESSIONAL CONFERENCES

- 2022 Host, Joint SOFT/TIAFT 2026 Annual Meeting – Chicago, Illinois, USA
- 2022 Chair – Scientific Committee, SOFT 2023 Annual Meeting – Denver, Colorado, USA
- 2022 Reviewer, TIAFT YSC Awards – Versailles, France
- 2022 Chair – Young Scientist Symposium, TIAFT 2022 Annual Meeting – Versailles, France
- 2022 Reviewer – Scientific Committee, AAFS 2023 Annual Meeting – Orlando, FL, USA
- 2022 Reviewer – Scientific Committee, SOFT 2022 Annual Meeting – Cleveland, Ohio, USA
- 2022 Reviewer, TIAFT YSC Awards – Virtual Platform, USA
- 2021 Reviewer – Scientific Committee, AAFS 2022 Annual Meeting – Seattle, Washington, USA
- 2021 Host – CAT Meeting – Virtual Platform, USA
- 2021 Reviewer – Scientific Committee, SOFT Annual Meeting – Nashville, Tennessee, USA
- 2020 Moderator Chair (Lucy in the Sky with Diamonds – Past, Present and Future Session) – TIAFT Online Educational Symposium
- 2020 Reviewer – Scientific Committee, AAFS 2021 Annual Meeting – Virtual Platform, USA
- 2020 Planning Committee, SOFTember Meeting – Virtual Platform
- 2020 Reviewer – Scientific Committee, SOFTember Meeting – Virtual Platform
- 2020 Host – CAT Spring Meeting, San Francisco, California, USA (*postponed to Spring 2023*)
- 2019 Reviewer – Scientific Committee, SOFT Annual Meeting – San Antonio, Texas, USA
- 2019 Moderator Chair (Postmortem Toxicology Oral Session) – TIAFT Annual Meeting, Birmingham, UK
- 2019 Reviewer – Scientific Committee, TIAFT International Meeting and TIAFT YSC Awards – Birmingham, UK
- 2018 Reviewer – Scientific Committee, SOFT Annual Meeting – Minneapolis, Minnesota, USA
- 2018 Reviewer – Scientific Committee, TIAFT International Meeting and TIAFT YSC Awards – Brussel, Belgium
- 2018 Moderator Chair (DUID Oral Session), Joint SOFT and TIAFT International Meeting – Florida, USA
- 2017 Reviewer – Scientific Committee, Joint SOFT/TIAFT International Meeting and YSC Awards – Florida, USA

CONTINUOUS PROFESSIONAL EDUCATION COURSES

- 2022 Method of Standard Addition for Analyte Quantification for Application to Postmortem Matrices and Novel Psychoactive Substances – SOFT 2022 Cleveland, Ohio
- 2022 Good Reputation: The Beginner's Guide to Toxicology Testimony – SOFT 2022 Cleveland, Ohio
- 2022 Analysis and Interpretation of Postmortem Alcohols – SOFT 2022 Cleveland, Ohio
- 2022 Good Clinical Practice Certificate (46669183), Collaborative Institutional Training Initiative (CITI)
- 2022 Human Subjects Protection Certificate (46669184), Collaborative Institutional Training Initiative (CITI)

- 2021 Faculty (Lecturer), Robert F. Borkenstein Course on Effects of Drugs on Human Performance and Behavior
- 2020 ISO/IEC 17025:2017 Forensic Technical Assessor Course – ANAB (ANSI Accreditation Board)
- 2020 Forensic 17025 Technical Assessor Preparation Course – ANAB (ANSI Accreditation Board)
- 2020 Moderator, SOFTopics: A Deeper Dive into Validations – SOFT
- 2020 Alcohol Impairment Workshop – California Association of Criminalists
- 2020 Intelligent Influence - The Key Ingredients to Leadership and Professional Success – John Collins
- 2019 Chair, Application of QTOF techniques: Approaches and Workflows Workshop – SOFT 2019 San Antonio, Texas
- 2019 Faculty (Lecturer), Robert F. Borkenstein Course on Effects of Drugs on Human Performance and Behavior
- 2019 BasicPlus CPR, AED, and First Aid for Adults (G2015) – MEDIC First Aid
- 2018 Chair, Forensic Epidemiology Integrating Public Health Workshop – TIAFT 2017 Boca Raton, Florida
- 2017 Coordinator, Forensic Alcohol “Wet Lab” Study – Californian Association of Criminalists
- 2016 The Robert F. Borkenstein Course on Alcohol & Highway Safety: Testing, Research & Litigation
- 2016 Courtroom Presentation of Evidence – Californian Criminalists Institute
- 2011 Pharmacology Workshop (FACTA), Melbourne – Australia
- 2012 Ethics and Good Research Practice Short Court – Monash University
- 2010 Provision of Expert Evidence – Forensic Foundations
- 2010 Analytical Chemistry Techniques – Radiometer University
- 2010 Australasian Mortality Data Interest Group Workshop, Melbourne – Australia
- 2009 LC-MS/MS Software and Instrument Techniques – AB Scientific
- 2009 Forensic Pharmacology Workshop (Australasian Forensic Toxicology Meeting), Melbourne – Australia
- 2008 Pharmaceutical Safety, Evaluation and Regulation (TGA, FDA, EMEA) – Pfizer / RMIT University
- 2008 First Aid (Workplace Level 2 – HLTAID003) – St Johns Ambulance

RESEARCH AND PROFESSIONAL FUNDING

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|------|-----------|---|
| 2022 | \$576,412 | Project Director – Quality Improvements in Forensic Toxicology Services for San Francisco – CHP Cannabis Tax Fund Toxicology Grant FY2022/24 (Award No. 9640) |
| 2022 | \$67,785 | Project Director – Paul Coverdell Forensic Science Improvement Grant (State) |
| 2022 | \$312,966 | Project Director – Enhanced Forensic Toxicology Program - Overdose Prevention Initiative – California Department of Public Health, Substance and Addiction Prevention Branch (Award No. 21-10808) |
| 2021 | \$986,248 | Project Director – Streamlined DUID Forensic Toxicology Services for San Francisco – CHP Cannabis Tax Fund Toxicology Grant FY2021/23 (Award No. 3672) |
| 2021 | \$67,785 | Project Director – Paul Coverdell Forensic Science Improvement Grant (State) |
| 2021 | \$190,222 | Project Member – Drug and Alcohol Impaired Driving Education Campaign via SF Vision Zero – Office of Traffic Safety, OTS (Award No. 22-003585 – voluntarily withdrew) |
| 2020 | \$54,373 | Project Director – Paul Coverdell Forensic Science Improvement Grant (State) |
| 2019 | \$56,980 | Project Director – Paul Coverdell Forensic Science Improvement Grant (State) |
| 2014 | \$2,200 | First Travel Award – Australia and New Zealand Forensic Science Society Symposium |
| 2013 | \$1,500 | First Scholarship Prize – Forensic and Clinical Toxicology Association Meeting |
| 2013 | \$2,115 | Postgraduate Travel Grant Award – Monash University |
| 2011 | \$80,000 | Ph.D. Departmental Scholarship – Monash University |

ACHIEVEMENTS & RESEARCH AWARDS

- 2022 Co-lead movement for CA Bill “SB-925 Fatal vehicular accidents: chemical test results” through State Senate and signed into law by Governor
- 2021 Taskforce member for CA Bill “SB-94 Report to the Legislature: Impaired Driving Task Force” via California Highway Patrol
- 2019 Co-lead movement for CA Bill “SB-283 Fatal vehicular accidents: chemical test results” through State Senate
- 2014 Best Publication (Young Scientist Award), TIAFT – Buenos Aires, Argentina
- 2014 First Travel Award – Aus and New Zealand Forensic Science Society Symposium – Adelaide, Australia
- 2014 Highly Commended Oral Presentation Award, RACI R&D Conference – Adelaide, Australia
- 2013 Best Peer-Reviewed Paper: Early Career Researcher, SPHPM – Monash University
- 2013 FACTA First Scholarship Prize – Sydney, Australia
- 2011 ROSII Reward & Recognition for Service, Victorian Institute of Forensic Medicine
- 2011 Certificate of Service (Deputy Chief Warden), Victorian Institute of Forensic Medicine
- 2008 ASCEPT Toxicology Poster Finalist, Australia Health & Medical Research Congress – Brisbane, Australia
- 2007 RMIT LEAD Certificate (SSCC), Student Rep President for Student and Staff Consultative Committee
- 2006 RMIT LEAD Certificate (Peer Tutoring), Educating Victorian Secondary school students in science

SCHOLARLY ACTIVITIES

- 2022 Evaluator (Expert Advisor) – Cause of Death Elucidated (CODE) in Drug Overdose Challenge (National Institute on Drug Abuse (NIDA))
- 2022 Doctoral Committee - Missed Opportunities in Medicolegal Death Investigations (Oklahoma State University)
- 2022 Speaker – Forensic Toxicology in Drug Facilitated Crimes (Sexual Assault) Casework, SVU – SFPD (SFOCME)
- 2022 Invited Speaker – Postmortem Forensic Toxicology and Overdoses during an Epidemic and Pandemic. (Grand Rounds California Poison Control System, San Francisco Division)
- 2021 Supervisor – Student project “Naloxone in Opioid Overdose Postmortem Casework” (University of California, Berkeley)
- 2021 Supervisor – Master’s project “Standard Addition Workflow for Quantitation of Drugs” (Arcadia University)
- 2020 Supervisor – Doctorate project “Effective use of QTOF in Forensic Toxicological Testing Regimes” (Oklahoma State University)
- 2020 Mentor – Alumni Group Mentoring Session (Monash University)
- 2020 Supervisor – Master’s project “Bladder Wash, a (not-so) Alternative Specimen for Postmortem Toxicology” (Arcadia University)
- 2020 Supervisor – Intern student project “Gabapentin in Postmortem Casework”
- 2020 Supervisor – Master’s project “Drugs associated with Drug Facilitated Sexual Assault Casework 2014-2018” (Arcadia University)
- 2019 Supervisor – Master’s project “Development, Optimization and Validation of Criteria for the Identification of over 650 Drugs and Metabolites in LC-QTOF/MS with SWATH acquisition” (University of California, Davis)
- 2019 Invited Speaker – Forensic Toxicology in San Francisco (California Poison Control System, UCSF School of Pharmacy)
- 2019 Supervisor – Bachelor’s intern student project “Comparison of Alere iCup with LC-MS/MS Confirmatory Analysis in Postmortem Urine” (John Jay College, New York)
- 2019 Supervisor – Bachelor’s intern student project “Drugs associated with DFSA casework 2014-2018” (University of San Francisco)
- 2019 Supervisor – Bachelor’s intern student project “Validation of Dilutions Using Nova pHox for Postmortem Vitreous Humor Electrolytes” (University of Texas, Austin)

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- 2019 Supervisor – Master’s project “Determining Enantiomeric Composition of Drugs of Abuse Using Fluorine Nuclear Magnetic Resonance (19F NMR)” (University of California, Davis)
 - 2019 Invited Speaker – Oral fluid: Impact in DUID Investigations (San Francisco Forensic Interest Group)
 - 2018 Invited Member – Workshop on Post-Mortem Toxicology Practices (Centers for Disease Control and Prevention, National Center for Health Statistics – Washington D.C.)
 - 2018 Invited Speaker – Forensic Toxicology in San Francisco, a Changing Landscape (American Association for Clinical Chemistry (AACC))
 - 2018 Invited Speaker – DUID Oral Fluid Implementation (NHSTA – A Dialogue to Address Drug-Impaired Driving)
 - 2018 Principle Investigator – Decedent Drug Profiles between Homeless, SRO and Gen Populations DFSA
 - 2018 Supervisor – Student project “Drugs associated with DFSA casework 2014-2018” (University of San Francisco)
 - 2018 Supervisor – Intern project “Fentanyl Incidence in Decedents from 2008-2018” (University of California, Davis)
 - 2018 Invited Speaker – Oral Fluid practice and Use Internationally (CA IDTF – CHP, Sacramento, CA)
 - 2018 Supervisor – Student project “DUID Cannabis incidence pre- & post-Prop 64” (San Francisco University)
 - 2018 Invited Speaker – Forensic Toxicology Testing in Drug Facilitated Sexual Assault Cases (DFSA: Prevention, Education, Response: A San Francisco Symposium & Shared Learning Opportunity)
 - 2018 Supervisor – Intern project “Fentanyl Analogs & Synthetic Opioids by UHPLC-MS/MS” (San Francisco University)
 - 2018 Invited Speaker – Forensic Toxicology Lecture (San Francisco University)
 - 2017 Supervisor – Master’s student project “LC-QTOF for Forensic Casework” (S.F. State University)
 - 2017 Supervisor – Student project “Multi analyte GCMS Quantitation Method” (San Francisco University)
 - 2017 Supervisor – Master’s intern student project “Chiral LC-MS Analysis of Amphetamines” (Boston University)
 - 2016 Supervisor – Master’s intern student project “Drug detections in Brazilian Drivers” (Boston University)
 - 2016 Supervisor – Honour’s student project “Drug Deaths in Australia, 2016” (Monash University)
 - 2016 Supervisor – Honour’s student project “Animal Envenomation Deaths in Aus 2000–2015” (Monash University)
 - 2016 Doctoral Review – Confirmation “Opioids Toxicity Review” (Monash University)
 - 2016 Doctoral Review – Mid-cycle “Intentional deaths among nursing home residents” (Monash University)

MEDIA, PROFESSIONAL, RESEARCH AND COMMUNITY ENGAGEMENT

- 2021 OCME Forensic Toxicology Developments Related to Overdose Death Reporting and, KTVU – Jan 14
- 2020 Overdose Death Reporting and Update on Overdose Prevention Program at Single Room Occupancy Hotels, S.F. Board of Supervisors Hearing – Dec 10
- 2020 The Man Who Counts San Francisco’s Overdose Deaths. Fifth & Mission Podcast, S.F. Chronicle – Nov 23
- 2020 Overdoses, everywhere. S.F. Chronicle – Nov 16
- 2020 Two deaths a day: S.F. drug overdoses fueled by fentanyl are spiking, S.F. Chronicle – Oct 10
- 2020 Meet the Experts! Novel Psychoactive Substances (NPS) Drugs by design, Sciex Virtual Dialog – May 27
- 2020 Pivoting and Maintaining Operations, Connections for Change, Monash Alumni – May 13
- 2020 CAT conference 2020, TheToxPod S3 E3 – May 12
- 2020 Drug overdose deaths rise in the West, drop in the East, The Washington Post – Feb 22
- 2020 Forensic Toxicology in San Francisco (SFPD Tenderloin Community Meeting) – Jan 28
- 2020 Fentanyl, heroin overdoses in San Francisco more than doubled in 2019, S.F. Chronicle – Jan 21
- 2019 Applications of Toxicology in the 21st Century, TheToxPod S2 E4, Live from TIAFT, Birmingham, UK
- 2019 Sudden Increase in Fatal Fentanyl Overdoses in S.F., DOPE Project/Harm Reduction Coalition – Jun 16

- 2018 Fentanyl Rising in S.F.'s Street Drug Supply, S.F. Weekly – Oct 11
- 2018 Status of Criminal Sexual Assault & Sexual Harassment Cases, S.F. Board of Supervisors Hearing – Apr 25
- 2017 The 'drop dead' drug terrorising North America linked to 10 deaths in Melbourne, The Age – Dec 10
- 2016 Chronic Confusion: Is Your Mate on Drugs, Catalyst Magazine
- 2015 Bitter Beer: The Role of Natural and Synthetic Hops, Alchimie Magazine
- 2014 Media interview re outcomes of Ph.D., Herald Sun/Courier Mail (News Corp Australia)
- 2014 Radio interviews on outcomes of Ph.D., ABC National, 3AW Victoria, ABC Canberra, ABC Melbourne
- 2014 Research in Forensic Toxicology, Monash University
- 2014 The Science of Beer Explained, Forensic Matters – VIFM

KEY RESEARCH SKILLS & INTERESTS

- 30+ Peer-reviewed international scientific journal papers; 502 citations; H-Index 11; Research Interest Score 304.1
- 60+ Conference and scholarly abstracts and lectures
- 60+ Reviewer for numerous peer-reviewed academic journals
- Principal and co-researcher in multiple ongoing research projects, significantly contributing to the design and daily operation of the studies, ensuring that they are conducted, recorded and reported in accordance with study protocols
- Write grant and award funding applications to industry, academic and government bodies
- Capability to consider, formulate and design research studies
- Produce publications in peer-reviewed journals and presentations at national and international conferences
- Forensic Pharmacology and Toxicology drug interpretation skills in postmortem and antemortem casework
- Communication skills and ability to develop and maintain collaborative research partnerships
- Ability to work independently and efficiently to meet deadlines under pressure
- Mentor colleagues in the method development and validation of analytical methods and techniques
- Investigator for the "Toxicologist" project. Building the world's first international reference database for postmortem drug concentrations with the National Board of Forensic Medicine (Sweden) and Victorian Institute of Forensic Medicine (Australia)

FORENSIC TOXICOLOGY EXPERIENCE

- Direct and Oversee all Forensic Laboratory Division operations, research, protocols, work assignments and analytical procedures
- Expert consultation with other agencies (e.g., police, district attorneys, public defenders, and the public)
- Testify in court to explain and support laboratory findings and technical details (>25 occasions)
- ABFT accreditation of OCME Forensic Laboratory Division
- Inspector Assessor for ABFT and ANAB reviewing peer laboratories for accreditation
- Accurately record data, interpret findings and prepare legal reports representing results
- Lead in developing and validating new methods of analysis and training
- Provide lectures and training of forensic staff for toxicology and pathology
- Review current professional literature, evaluate developments in instrumentation and methodology
- Report all proficiency testing/quality control results and develop/implement corrective actions as required

- Author and accurately follow Standard Operating Procedures and Chain-of-Custody Protocols as they apply to Forensic Toxicology
- Perform the more detailed and complicated qualitative and quantitative analysis of forensic specimens.
- Writing and preparing Toxicology reports for Medical Examiners and Coroners requiring the interpretation of postmortem drug concentrations whilst considering a range of circumstances, co-morbidities and potential drug-drug interactions.
- LC-MS(MS) analysis and quantification of over 250+ analytes including drugs of abuse, Victorian Road Safety Act drugs, therapeutic drugs, poisons, synthetic cannabinoids and cathinones in biological specimens
- The continuing method development for the analysis of emerging novel psychoactive substances
- Development of a headspace GC method for the high-throughput analysis of alcohol and simple volatiles
- Revising and reformatting the drug monographs using the most up-to-date peer-reviewed literature
- Maintain and develop business key performance indicators
- Develop, perform and maintain laboratory documentation operation details adhered to accreditation standards
- Liaison with clients & stakeholders regards to incoming caseload, results and operations
- Proficient in software and technologies including: Sciex (Analyst, MultiQuant, SciexOS and LibraryView); Agilent (ChemStore, ChemStation & MussHunter); Shimadzu LabSolutions package; Microsoft Office (Excel, Word, Powerpoint); statistical (GraphPad Prism & SPSS); QC Reporter and LabLink; referencing libraries (Endnote), and; the Adobe suite
- Checked, uploaded and validated (robustness) the ethanol & volatiles screen & quantification method
- CO-oximeter analysis of blood for carbon monoxide poisoning
- Perform general laboratory liaison procedures including specimen receipt and laboratory maintenance
- Direct laboratory purchases
- Follow safety regulations and procedures

CONTINUING PROFESSIONAL EDUCATION LECTURES

2022

- Improving Suspect Screening with HighResNPS: the Conduit between Deep Learning and New Psychoactive Substances. Dr. Daniel Pasin, OCME, San Francisco, CA, USA
- Scientific Sessions. Society of Forensic Toxicologists (SOFT) Annual Meeting, Cleveland, Ohio, USA
- California Association of Crime Lab Director's (CACLD) Meeting. Santa Clara, California, USA
- Alcohol and Traffic Safety: A Selective Review. National Safety Council's Alcohol, Drugs, and Impairment Division (ADID), Webinar
- SFSTs and Drugs: Hit or Miss, National TSRP Webinar Series, Virtual Webinar
- Analytical, Interpretive, and Legal Issues Surrounding THC Analogs in DUID Casework, Society of Forensic Toxicologists (SOFT), Virtual Workshop
- DEA TOX: Current Updates and the 2021 Summary Report
- New Adversaries in the Opioid Crisis- The Nitazenes, Cayman Chemical, Virtual Webinar
- Designer Drugs: Facing the Impact: Formulating the Solution, Aegis Sciences
- Measurement Uncertainty, San Francisco Office of the Chief Medical Examiner, San Francisco, CA
- Fire Related Deaths, NAME Webinar
- Sodium Nitrate, Sodium Nitrite and Helium: Grand Rounds 2022, CFSRE
- 2022 Current Trends in Forensic Toxicology. Center for Forensic Science Research and Education, Virtual Symposium
- Classical Mistakes Made in Forensic Toxicology by Forensic Pathologists: Grand Rounds 2022, CFSRE

- Annual 2022 CAT Spring Meeting. California Association of Toxicologists (CAT), Virtual
- LC-MS/MS 101: Maintenance and Troubleshooting. Sciex, Virtual Webinar
- Alcohol, a global perspective. The International Association of Forensic Toxicologists, Virtual Webinar
- Addiction Toxicology Case Conference, American College of Medical Toxicology, Virtual Symposium
- Webinar: LC-MS/MS 101: Effective Data Processing, Sciex, Virtual
- Northern California Law Enforcement Fentanyl and Opioid Training. RxSafe Marin.
- Cannabis and Driving Safety: What is new and what is next? University of Iowa, Virtual
- California Poison Control System, SF Division – Ground Rounds.
- The Collision of COVID and the Opioid Epidemic: Grand Rounds 2022, CFSRE

2021

- Interpretation of Forensic Toxicology Results Around the Globe and Into the Future, Joint SOFT and TIAFT Webinar, Virtual.
- Specialized Forensic Toxicology, Pathology and Certification of Drug Related Death for Forensic Pathologists: 2021, CFSRE
- XVI TIAFT Latin American Regional Meeting, Virtual, Ecuador
- Investigation & Certification of Drug Toxicity Deaths in Today's Complex Drug Environment, CFSRE
- Standard Addition Workflow for Drug Quantitation, Mohamed Elmajdob, OCME, San Francisco, USA
- The Evaluation and Certification of Drug Caused and Related Deaths for Pathologists, Toxicologists and Death Investigators: 2021, CFSRE
- Introduction to Drug Caused and Related Death Investigation, CFSRE
- Scientific Sessions. Society of Forensic Toxicologists (SOFT) Annual Meeting, Nashville, Tennessee, USA
- Drug Interactions – What every Forensic Toxicologist should know Workshop. Society of Forensic Toxicologists (SOFT) Annual Meeting, Nashville, Tennessee, USA
- Strategies for screening of NPS in forensic toxicology Workshop. Society of Forensic Toxicologists (SOFT) Annual Meeting, Nashville, Tennessee, USA
- California Association of Toxicologists (CAT) 2021 Virtual Meeting
- The use of LSD, Psilocybin and MDMA in the Treatment of Psychiatric and Neurological Disorders, TIAFT Continuing Education – Prof. Torsten Passie
- Advances and Challenges in Neuroimaging Studies on the Effects of Serotonergic Hallucinogens, TIAFT Continuing Education – Dr. Felix Muller
- From Colorimetry to Mass Spectrometry for QUAL/QUANT Analysis, TIAFT Continuing Education – Prof. Gérard Hopfgartner
- Identification of Drugs and Metabolites in Forensic Toxicology: A Point-Based Approach, TIAFT Continuing Education – Dr. Marc LeBeau
- Method Validation – From Plan to Practice, TIAFT Continuing Education – Dr. Frank Peters
- Recommended Specimens, Scope, Cutoffs, and Strategies for DUI/D Testing & the Impact of Stop Testing Limits, IACT 2021 Virtual Meeting
- Development and Validation: Plan, Execute, Succeed!, IACT 2021 Virtual Meeting
- Alcohol Concentration Extrapolation, IACT 2021 Virtual Meeting
- Better Than Managing: Generating Positive Results Through Effective Leadership, IACT 2021 Virtual Meeting
- Quality Assurance and Uncertainty of Measurement: Fundamentals and Implementation workshop, IACT 2021 Virtual Meeting
- The 73rd American Academy of Forensic Sciences (AAFS) Annual Scientific Meeting: Pursuing Justice Through Trough in Evidence

- The Effects of Acute and Chronic Disease on Organ Systems, Metabolism and Elimination, Blood Concentrations and Drug Tolerance. NAME 2021 Interim Meeting, USA

2020

- TIAFT Online Educational Symposium
- ISO/IEC 17025 Nonconformance Series: Technical Records, Qualtrax Virtual Event
- California Association of Crime Lab Director's Meeting, Virtual Seminar, USA
- ACMT/ASAM/ORN Addiction Toxicology Case Conference, American Society of Addiction Medicine (ASAM)
- Everything COVID-19, NAME 2020 Virtual Meeting
- Paediatric Concepts, NAME 2020 Virtual Meeting
- Toxicology I, NAME 2020 Virtual Meeting
- Toxicology II, NAME 2020 Virtual Meeting
- Trauma, NAME 2020 Virtual Meeting
- Critical Issues, NAME 2020 Virtual Meeting
- Medical Education and Administration, NAME 2020 Virtual Meeting
- Forensic Potpourri: Certification of Death and Unusual Causes of Death, NAME 2020 Virtual Meeting
- SOFTember 2020 Virtual Program
- 9th Annual Sexual Assault Response Team (SART) Summit Multi-Disciplinary Conference
- Learning Collaborative on State Strategies to Strengthen and Leverage Data to Address Impaired Driving. National Governors Association (NGA)
- Online Forensic Symposium: Current Trends in Forensic Toxicology
- Creating flagging rules and custom columns in SCIEX OS Software, Sciex Webinar
- COVID19 Webinar Series: Opioid Use Disorder, ACMT
- Columns, flow rates, chemistry... What does it all mean?, Sciex Virtual Dialog
- Curbing the Opioid Crisis: The Role of the Clinical Laboratory for Pain Management, Alan Wu, AACC
- Accurate mass instrumentation and application, Sciex Virtual Dialog
- Cannabis - from bloom to tomb, Sciex Virtual Dialog
- Quantitation and targeted identification data processing using SCIEX OS Software, Sciex Webinar
- Quantitative data processing using SCIEX OS Software, Sciex Webinar
- Creation of a Drug Monograph Tool (Explanation and how to use) - Michael G. Blyumin, OCME, San Francisco, CA, USA
- Front End Cleaning of SCIEX Triple Quadrupole and QTRAP Systems, Sciex Webinar
- Opioid Pharmacology (Heroin, Fentanyl and Therapeutic Narcotics) - Michael G. Blyumin, OCME, San Francisco, CA, USA
- Introduction to Time Of Flight, Sciex Webinar
- Sedative/Hypnotic Pharmacology (Benzodiazepines, Barbiturates and Z-drugs) - Michael G. Blyumin, OCME, San Francisco, CA, USA
- Introduction to Analyst T.F. Software, Sciex Webinar
- Maintenance and Troubleshooting (recommendations, troubleshooting tips and real world examples) , Sciex Webinar
- CNS Stimulant Pharmacology (Amphetamines and Cocaine) - Michael G. Blyumin, OCME, San Francisco, CA, USA
- Effective Data Processing and Data Workflow, Sciex Webinar
- Method Development Workflow and Optimization, Sciex Webinar
- Separation by Liquid Chromatography (LC) and Mass Spectrometry (MS) Fundamentals, Sciex Webinar

2019

- Basics of Pharmacology - Michael G. Blyumin, OCME, San Francisco, CA, USA
- Reversed Phase Mobile Phases: Selection and Selectivity Considerations, Phenomenex Webinar
- Quantification of NPS stimulants in postmortem blood without using reference standards - Dr. Samuel Mesihaa, OCME, San Francisco, CA, USA
- Improving Scope and Turnaround Times in Postmortem Casework with a Consolidated Methodology Approach - Megan Wong, OCME, San Francisco, CA, USA
- Development, Optimization and Validation of Criteria for the Identification of over 700 Drugs and Metabolites by LC-QTOF/MS with SWATH Acquisition - Bailey Wei, OCME, San Francisco, CA, USA
- Society of Forensic Toxicologists (SOFT) Annual Meeting, San Antonio, Texas, USA
- NAME: Genetic Polymorphisms - Dr. Jirair Gevorkyan, OCME, San Francisco, CA, USA
- Borkenstein Drug Course, Long Beach, CA, USA
- TIAFT Annual Meeting, Birmingham, United Kingdom
- Forensic Pathology and Imaging: VIFM - Dr. Sarah Parsons, OCME, San Francisco, CA, USA
- CACLD Annual Meeting, Oakland, CA, USA
- CAT Spring Meeting, Monterey, CA, USA
- ACMT Annual Scientific Meeting Marijuana & Medical Toxicology Satellite Session

2018

- Into the Unknown: the role of high-resolution mass spectrometry (i.e., TOF) in non-targeted screening and its future in analytical toxicology - Dr. Daniel Pasin, OCME, San Francisco, CA, USA
- CAT Fall Meeting, Bakersfield, CA, USA
- SOFT Annual Meeting, Minneapolis, MN, USA
- TIAFT Annual Meeting, Ghent, Belgium
- Institute of Forensic Medical in Freiburg and the in-depth analysis they perform using Time of Flight (TOF) mass spectrometry in routine casework and particularly for novel psychoactive substances - Laura Huppertz, OCME, San Francisco, CA, USA
- Use of Narcan and the risks posed by Fentanyl and other Opioids - Kristen Marshall, OCME, San Francisco, CA, USA
- Synthetic Drug Crisis – Identifying NPS in Forensic Casework, Forensic Technology Centre of Excellence
- Current Trends in Forensic Toxicology Day 1 - 3, RTI International
- Introduction to Clinical Toxicology - Dr. Kai Li, OCME, San Francisco, CA, USA
- CAT Spring Meeting, Santa Rosa, CA, USA
- Joint SOFT and TIAFT International Meeting, Boca Raton, FL, USA

2017

- The California Marijuana Project, CAT Semi-Quarterly Meeting, San Diego, CA, USA
- Analysis of Cannabis Products for Sale, CAT Semi-Quarterly Meeting, San Diego, CA, USA
- Pharmacology of Cannabis, CAT Semi-Quarterly Meeting, San Diego, CA, USA
- Synthetic Cannabinoids, CAT Semi-Quarterly Meeting, San Diego, CA, USA
- Marijuana and Driving 1 and 2, CAT Semi-Quarterly Meeting, San Diego, CA, USA
- Experimental Study Design and Review, CAT Semi-Quarterly Meeting, San Diego, CA, USA
- “Green Labs” – Essential Training for Adapting to Legal Marijuana, CAT Semi-Quarterly Meeting, San Diego, CA, USA
- American Academy of Forensic Sciences Meeting Presentations, New Orleans, Louisiana, USA

2016

- SOFT Annual Meeting, Dallas, TX, USA
- TIAFT Annual Meeting, Brisbane, Australia
- Pharmacokinetics, Andrew Udy (VIFM Seminar Series)
- Building Afghanistan's Forensic Capacity, Zabi and Dallas Mazoori (VIFM Seminar Series)
- Beyond supportive care: Clinical aspects and treatment advances for common life-threatening poisonings and envenomations in Australia, Shaun Greene (VIFM Seminar Series)
- Suicide among nursing home residents: The Australian story. PhD mid-candidature review, Briony Murphy (VIFM Seminar Series)
- Sri Lankan Forensic Medical Case Studies, Dr Ajith Rathnaweera (VIFM Seminar Series)
- Mummymania: An exhibition at the Ian Potter Museum of Art, University of Melbourne, Janet Davey & Andrew Jamieson (VIFM Seminar Series)
- Essendope: the greatest sporting scandal in Australian sporting history (Encore), Dimitri Gerostamoulos (VIFM Seminar Series)
- Hips D.O. lie: A closer look at childbirth and the human pelvis, Sarah-Louise Decrausaz (VIFM Seminar Series)
- Clinical registries to improve health outcomes, Sue Evans, SPHPM (VIFM Seminar Series)
- Forensic Developments in Sri Lanka, Dr Ajith Tennakoon (VIFM Seminar Series)
- Evidence based practice: Beyond efficacy and onto effectiveness and cost-effectiveness, Prof Danny Liew, SPHPM (VIFM Seminar Series)
- The Motherisk Review: Outcomes of a review of a Canadian laboratory that led to miscarriages of justice, Olaf Drummer (VIFM Seminar Series)

2015

- Honours presentation "VicPol tox", Jake Parkins/Matthew Di Rago (VIFM Seminar Series)
- The 2014 Ebola Epidemic, Dr Heinrich Bouwer (ANZFSS Victorian Branch)
- Forensic Medical Services in Saudi Arabia, Dr Mohammed Madadin (VIFM Seminar Series)
- Organ donation: determination of brain death, Josh Ihle, Intensivist (Alfred Health) (VIFM Seminar Series)
- National Coroners Information System and Coroners Prevention Unit, Eva Saar and Lyndal Bugeja (VIFM Seminar Series)
- Metabolomics, Ute Roessner (VIFM Seminar Series)
- Uncertainty Measurements in Forensics, Bryan Found (VIFM Seminar Series)
- Complex Trauma Disorder - A Better Name for Borderline PD, Jayashri Kulkarni (VIFM Seminar Series)
- Metabolomics, Ute Roessner (VIFM Seminar Series)
- forensic medical service challenges in Fiji, Dr James Kalougivaki (Fiji) (VIFM Seminar Series)
- Exploring the evidence: presenting alternate explanations for forensic findings, Dr Kaye Balantyne (VIFM Seminar Series)
- Tissue donation and the Donor Tissue Bank of Victoria, Chantel Bartolo (VIFM Seminar Series)
- Confirmation lecture: "Developing a greater understanding of drug use, violence and sexual offending by examining contextual and psychological factors in forensic cases", Laura Anderson (VIFM Seminar Series)
- Victorian Police Forensic Science Department Lean Projects, Niki Taxidis (VIFM Seminar Series)
- "Naegeli-Franceschetti-Jadassohn Syndrome In Saudi Arabian Family, Saudi F. Path, Dr Salah Tubaigy (VIFM Seminar Series)"
- Forensic Medical Services in Singapore, Dr Shijia Chan, Forensic Pathology (VIFM Seminar Series)
- Forensic medical training and infrastructure in Jordan, Dr Rakiz Salameh and Dr Hafsa Salameh (Palestine, based in Jordan) (VIFM Seminar Series)
- 3D-Printing, Paul Mignone (Melb University) (VIFM Seminar Series)

- Skeletal PhD Confirmation Lecture, Samantha Rowbotham (VIFM Seminar Series)
- Application of Hair Analysis in Forensic Toxicology, Xin Wang (VIFM Seminar Series)
- Lean 6-sigma overview, Frances Adamas (VIFM Seminar Series)
- Confirmation lecture, Nathan Stam (VIFM Seminar Series)
- Opioids and Heroin Scheme - PhD Confirmation lecture, Briony Murphy (VIFM Seminar Series)
- Research at the VIFM: a history and the future, Olaf Drummer (VIFM Seminar Series)
- “Amendments to the coroners Act (practice directions & protocols), Jodie Burns (CCOV)
- Helen McElvie (VIFM Seminar Series)”
- Overview of Swedish Collaboration and Victorian Travel Fellowship, Dr Jennifer Pilgrim (VIFM Seminar Series)
- Principles of the public health approach and contextual matters in injury policy and programs for resource constrained settings – PhD pre-submission Review, Chebiwot Kipsaina (VIFM Seminar Series)

2014

- TIAFT Annual Meeting, Buenos Aires, Argentina
- Annual RACI Analytical and Environmental Division R&D Topics Conference. Adelaide, Australia.

2013

- TIAFT Annual Meeting, Madeira, Portugal

AUTHORED PEER-REVIEWED JOURNAL PUBLICATIONS AND BOOK CHAPTERS

1. **Rodda LN** Farley M, Pearing S (2022) Multi-Class Quantitation of 55 Drugs in Blood and Urine by LC-MS/MS to Complement Comprehensive DFC, DUID and Postmortem Testing. *Journal of Analytical Toxicology* (*under revision*)
2. **Rodda LN**. Forensic Toxicology Considerations, in Olsen K and Smollin C (Eds) *Poisoning and Drug Overdose*, Seventh Edition (2022). McGraw-Hill Professional.
3. **Rodda LN**, Wu AHB (2021) Chapter 15 - Forensic Toxicology, in Wu, AHB (Ed) *Self-Assessment Q&A in Clinical Laboratory Science III*. Elsevier. doi.org/10.1016/B978-0-12-822093-1.00015-6
4. West KL, Lindquist K, **Rodda LN** (2021) Fentanyl Epidemic Hits the U.S. West Coast: Opioid-Related Deaths in San Francisco from 2009 – 2019. *International Journal of Drug Policy* 95:103402. doi: 10.1016/j.drugpo.2021.103402.
5. Farley M, Tran H, Towler S, Gevorkyan J, Pearing S, **Rodda LN** (2021) Single Method for All Recommended and Additional DUID Drugs in Blood and Urine by LC-MS/MS. *Journal of Analytical Toxicology* doi.org/10.1093/jat/bkab075
6. Appa A and **Rodda LN**, Cawley C, Zevin B, Coffin P, Gandhi M, Imbert E (2021) Increase in Drug Overdose Deaths in San Francisco During Compared to Before the COVID-19 Pandemic. *JAMA Network Open* 4(5):e2110452. doi:10.1001/jamanetworkopen.2021.10452
7. Armenian, P, **Rodda LN** (2020) Two Decades of Ecstasy: Shifting Demographic Trends in Decedents using MDMA, *Journal of Analytical Toxicology*. doi.org/10.1093/jat/bkaa193

8. Turfus S, **Rodda LN**. (2021). High Performance Liquid Chromatography and Ultra-High Performance Liquid Chromatography Including Liquid Chromatography–Mass Spectrometry. In R. Wolstenholme, S. Jickells, & S. Forbes (Eds.), *Analytical Techniques in Forensic Science* (pp. 365-405). Hoboken, NJ 07030, USA: John Wiley & Sons Ltd.
9. **Rodda LN**, West KL, LeSaint KT (2020) Opioid overdose-related emergency department visits and accidental deaths during the COVID-19 pandemic. *Journal of Urban Health*. 97: 808–813. doi.org/10.1007/s11524-020-00486-y
10. **Rodda LN**, Cooper, G (2020) Impact of Forensic Toxicology Laboratories During the COVID-19 pandemic: Tale of Two Major U.S. Cities. *TIAFT Bulletin* 50(3): 19-21
11. Gevorkyan J, Kinyua J, Pearing S, **Rodda LN** (2020) A Case Series of Etizolam in Opioid Related Deaths. *Journal of Analytical Toxicology*. <https://doi.org/10.1093/jat/bkaa146>
12. Mardal M, Kinyua J, **Rodda LN**, Linnet K, Dalsgaard PW (2020) Free Online Tools to Improve HRMS Screening Strategies for New Psychoactive Substances. *TIAFT Bulletin* 50(2): 17-21
13. Towler S, Concheiro-Guisan M, Pearing S, **Rodda LN** (2020) Evaluation and Applicability of Alere iCup DX 14 for Rapid Postmortem Urine Drug Screening at Autopsy. *Journal of Forensic Sciences*. doi:10.1111/1556-4029.14577
14. **Rodda LN**, Pearing S, Harper, CE, Tiscione NB, Jones AW (2020) Inferences and Legal Considerations Following a Blood Collection Tube Recall. *Journal of Analytical Toxicology* 45(2): 211-214. doi.org/10.1093/jat/bkaa056
15. Gevorkyan J, Wong M, Pearing S, **Rodda LN** (2020) Method Consolidation to Improve Scope and Efficiency in Postmortem Toxicology. *Journal of Analytical Toxicology*. 44(5): 422-439.
16. Martucci HF, Ingle EA, Hunter MD, **Rodda LN** (2018) Distribution of Furanyl Fentanyl and 4-ANPP in an Accidental Acute Death: A Case Report. *Forensic Science International*. 283: e13-e17
17. **Rodda LN**, Volk JA, Moffat E, Williams CM, Lynch KL, Wu A (2017) Evaluation of Intraosseous Fluid as an Alternative Biological Specimen in Postmortem Toxicology. *Journal of Analytical Toxicology*. 42(3): 163-169.
18. **Rodda LN**, Pilgrim JL, Crump K, DiRago M, Gerostamoulos D, Drummer OH (2017) A Cluster of Fentanyl-Laced Heroin Deaths in 2015 in Melbourne, Australia. *Journal of Analytical Toxicology*. 41(4): 318-324
19. DiRago M, Chu M, **Rodda LN**, Jenkins E, Kotsos A, Gerostamoulos D (2016) Ultra-rapid targeted analysis of 40 drugs of abuse in oral fluid by LC-MS/MS using carbon-13 isotopes of methamphetamine and MDMA to reduce detector saturation. *Analytical and Bioanalytical Chemistry* 408(14): 3737-49.
20. **Rodda LN**, Gerostamoulos D, Drummer OH (2015) Reply to Letter to the Editor. *Journal of Analytical Toxicology*; 39(5): 416
21. **Rodda LN**, Gerostamoulos D, Drummer OH (2015) Pharmacokinetics of Reduced Iso- α -acids in Volunteers following Clear Bottled Beer Consumption. *Forensic Science International*. 250: 37-43.

22. **Rodda LN**, Gerostamoulos D, Drummer OH (2014) Detection of Iso- α -Acids to Confirm Beer Consumption in Postmortem Specimens. *Drug Testing and Analysis*. 7(1): 65-74.
23. **Rodda LN**, Gerostamoulos D, Drummer OH (2014) Studies into the Postmortem Redistribution and Serum to Blood Ratio of Iso- α -acids in Postmortem Specimens. *Forensic Science, Medicine, and Pathology* 10(4): 550-557.
24. **Rodda LN**, Gerostamoulos D, Drummer OH (2014) Pharmacokinetics of Iso- α -acids in Volunteers following the Consumption of Beer. *Journal of Analytical Toxicology*. 38: 354-359.
25. Di Rago M, Saar E, **Rodda LN**, Turfus S, Kotsos A, Gerostamoulos D, Drummer OH (2014) Fast Targeted Screening of 132 Acidic & Neutral Drugs & Poisons in Whole Blood Using LC-MS/MS. *Forensic Science International*. 243: 35-43.
26. **Rodda LN**, Gerostamoulos D, Drummer OH (2014) The Stability of Iso- α -acids and Reduced Iso- α -acids in Stored Blood Specimens. *Forensic Science International*. 239: 44-49.
27. **Rodda LN**, Gerostamoulos D, Drummer OH (2013) The Rapid Identification and Quantification of Iso- α -acids and Reduced Iso- α -acids in Blood using UHPLC-MS/MS: Validation of a Novel Marker for Beer Consumption. *Analytical and Bioanalytical Chemistry* 405 (30): 9755-9767.
28. **Rodda LN**, Beyer J, Gerostamoulos D, Drummer OH (2013) Alcohol Congener Analysis and the Source of Alcohol: A Review. *Forensic Science, Medicine, and Pathology* 9 (2): 194-207.
29. Chu M, Gerostamoulos D, Beyer J, **Rodda LN**, Boorman M, Drummer OH (2012) The incidence of drugs of impairment in oral fluid from random roadside testing. *Forensic Science International* 215 (1-3): 28-31

AUTHORED PEER-REVIEWED ABSTRACT, INVITED CONFERENCE AND SCHOLARLY PRESENTATIONS (SELECTED)

1. **Rodda LN** (2022) Application and Real-World Examples of Method of Standard Addition (MSA) in Casework. Society of Forensic Toxicologists (SOFT) Annual Meeting Workshop. Cleveland, Ohio, USA
2. **Rodda LN** (2022) Methodology for Alcohol Analysis (Acute). Society of Forensic Toxicologists (SOFT) Annual Meeting Workshop. Cleveland, Ohio, USA
3. **Rodda LN** (2022) Postmortem Interpretation. Society of Forensic Toxicologists (SOFT) Annual Meeting Workshop. Cleveland, Ohio, USA
4. **Rodda LN** (2022) Invited Panel Member: California Highway Patrol Cannabis Grant Utilization. California Association of Crime Lab Director's (CACLD) Meeting. Santa Clara, California, USA
5. **Rodda LN**, Candela K, Farley M, Pearing S, Moffatt E, Hart A, Scott KS (2022) Bladder Wash as an Alternative Urine Specimen for Postmortem Toxicology. The International Association of Forensic Toxicologists (TIAFT). Versailles, France.

6. Sarkisian M, **Rodda LN** (2022) Identification Criteria, In-House Compound Libraries and SWATH: A Benchmark Implementation of Quadrupole Time-Of-Flight Mass Spectrometry in Routine Toxicological Casework. The International Association of Forensic Toxicologists (TIAFT). Versailles, France.
7. Harper CE, Dayong L, **Rodda LN** (2022) Drugged Driving Investigation Workflow and Oral Fluid Testing Used Around the World: Survey Results of a SOFT/AAFS Drugs and Driving and Oral Fluid Committees. The International Association of Forensic Toxicologists (TIAFT). Versailles, France.
8. **Rodda LN** (2022) Forensic Toxicological Sensitivities, Scope and Management for the Effective Evaluation of DFC Casework. Current Trends in Forensic Toxicology Meeting, Virtual
9. **Rodda LN** (2022) Rapid Overdose Data Reporting during the Opioid Pandemic and COVID-19 Pandemic. California Association of Toxicologists (CAT) Annual Spring Meeting, Virtual
10. Van Ochten H, Zevin B, Geier C, **Rodda LN**, Geier M (2022) Characterizing the Relationship Between Barbiturate Exposure, Alcohol and Death. College of Psychiatric and Neurologic Pharmacists (CPNP) Meeting, San Antonio, Texas.
11. **Rodda LN** (2022) The Third Wave of the Opioid Epidemic and COVID-19 Pandemic Collide. 58th Annual The International Association of Forensic Toxicologists (TIAFT) Meeting, Virtual.
12. **Rodda LN** (2022) Oral Fluid Program. California Association of Criminalists (CAC) Toxicology Study Group Meeting, Virtual
13. **Rodda LN** (2021) The Green Book: Drug Effects on Psychomotor Performance. Interpretation of Forensic Toxicology Results Around the Globe and Into the Future. Joint SOFT and TIAFT Webinar, Virtual.
14. Scott KS, Candela K, Hart A, **Rodda LN** (2021) Bladder Wash: A (Not-So) Alternative Specimen for Postmortem Forensic Toxicology. An Update Including Survey Results. Northeastern Association of Forensic Scientists (NEAFS) 47th Annual Meeting. Newport, Rhode Island, USA
15. **Rodda LN** (2021) Forensic Toxicology, Oral Fluid and Case Analysis in San Francisco. New York Office of Chief Medical Examiner. New York City, New York, USA
16. **Rodda LN** (2021) Invited Panel Member: California Highway Patrol Cannabis Grant Utilization. California Association of Crime Lab Director's (CACLD) Meeting. Los Angeles, California, USA
17. **Rodda LN** (2021) Testing Regime, Scope and Sensitivity in Drug-Facilitated Sexual Assault Casework. California Association of Crime Lab Director's (CACLD) Meeting. Los Angeles, California, USA
18. **Rodda LN**, Farley MC, Pearring S (2021) Effective and Rapid Workflow for Blood and Urine Testing in Drug Facilitated Crimes Casework. Society of Forensic Toxicologists (SOFT) Annual Meeting. Nashville, Tennessee, USA
19. Farley MC, Pearring S, **Rodda LN**. (2021) Effective Separation of Cannabinoid Isomers in Blood. Society of Forensic Toxicologists Annual Meeting. Nashville, Tennessee, USA

20. **Rodda LN** (2019) Legacy and Designer Benzodiazepines: The Robert F. Borkenstein Course on Effects of Drugs on Human Performance and Behavior. Philadelphia, Pennsylvania, USA
21. Farley MC, Pearing S, **Rodda LN**. (2021) A Single Blood and Urine Method of All Recommended and Additional Impairing Drugs in DUID Casework. California Association of Toxicologists (CAT) Virtual Meeting.
22. Candela K, Scott KS, Hart A, **Rodda LN** (2021) Bladder Wash: A (Not-So) Alternative Specimen for Postmortem Forensic Toxicology. Pennsylvania Research Exchange (PARE) Virtual Meeting
23. **Rodda LN** (2021) Invited Lecture – Nontraditional Careers in Chemistry. University of California Berkeley.
24. **Rodda LN** (2021) Invited Lecture – Case Analysis in Forensic Toxicology. John Jay College of Criminal Justice, City University of New York Master's Program.
25. **Rodda LN** (2021) Invited Lecture – Keeping Up: Effective Forensic Toxicology Testing Schemes. American Society of Crime Laboratory Directors (ASCLD) - Lightning Talks: Non-Targeted Forensic Toxicology.
26. Candela K, Scott KS, Hart A, **Rodda LN** (2021) Bladder Wash: A (Not-So) Alternative Specimen for Postmortem Forensic Toxicology. American Association of Forensic Sciences (AAFS) Virtual Conference
27. Higgins M, Jarquin C, Olivero J, Scott KS, **Rodda LN** (2021) Trends in Drug-Facilitated Crime and Sexual Assault in San Francisco. American Association of Forensic Sciences (AAFS) Virtual Conference
28. **Rodda LN** (2020) Maintaining laboratory operations, in 2020: a young scientists' perspective. The International Association of Forensic Toxicologists (TIAFT) Online Educational Symposium
29. **Rodda LN** (2020) Importance of Effective Postmortem Testing during the Fentanyl Epidemic and Prevalent Polydrug use. California Association of Crime Lab Director's Meeting, Virtual Seminar, USA
30. **Rodda LN** (2020) Invited Lecture – National and International Forensic Postmortem Toxicology. Center for Forensic Science Research and Education (CFSRE) Arcadia University MSFS Program
31. **Rodda LN** (2020) Invited Speaker and Panel Member – Drug Facilitated Sexual Assault. 9th Annual Sexual Assault Response Team (SART) Summit Multi-Disciplinary Conference
32. **Rodda LN** (2020) Invited Speaker and Panel Member, Toxicology Standards and Operations: National, State, And Local Perspectives – Learning Collaborative on State Strategies to Strengthen and Leverage Data to Address Impaired Driving. National Governors Association (NGA)
33. Farley MC, Tran H, Gevorkian J, Towler S, Pearing S, **Rodda LN**. (2020) A Single Blood and Urine Method of All Recommended and Additional Impairing Drugs in DUID Casework. SOFTember Meeting.
34. Towler S, Concheiro-Guisan M, Pearing S, **Rodda LN** (2020) Evaluation and Applicability of Rapid Point-of-Care Screening of Postmortem Urine at Autopsy SOFTember Meeting.
35. West KL, **Rodda LN** (2020) A Decade of Fentanyl Related Overdoses in San Francisco. SOFTember Meeting.

36. **Rodda LN** (2020) Invited Lecture – Postmortem Testing Improvements, Overdose Increases and Designer Drugs. San Francisco Forensic Interest Group
37. West KL, **Rodda LN** (2020) Fentanyl Epidemic on the West Coast: Accidental Overdose Death Trends in San Francisco 2009-2019. American Association of Forensic Sciences Conference, Anaheim, California, USA
38. **Rodda LN** (2019) Implementation, Workflows and Quantitative use of QTOF with Validation, Accreditation and Standards Consideration. Application of QTOF techniques: Approaches and Workflows Workshop - Society of Forensic Toxicologists Annual Meeting, San Antonio, Texas, USA
39. Wei B, Gevorkyan J, Kinyua J, Pearring S, **Rodda LN** (2019) Development, Optimization and Validation of Criteria for the Identification of over 700 Drugs and Metabolites by LC-QTOF/MS with SWATH Acquisition. Society of Forensic Toxicologists Annual Meeting, San Antonio, Texas, USA
40. Wong M, Gevorkyan J, Pearring S, **Rodda LN** (2019) Improving Scope and Turnaround Times in Postmortem Casework with a Consolidated Methodology Approach. Society of Forensic Toxicologists Annual Meeting, San Antonio, Texas, USA
41. **Rodda LN** (2019) Benzodiazepines, Zolpidem and other Imidazopyridines (“Z Drugs”) and Driving Impairment. The Robert F. Borckenstein Course on Effects of Drugs on Human Performance and Behavior, Long Beach, California, USA
42. **Rodda LN**, Rivera AM, Farley M, Pearring S (2019) DUID Trends post-Cannabis Legalization and a Comprehensive Analytical Approach for DUID Casework. 57th Annual Meeting of International Association of Forensic Toxicologists, Birmingham, United Kingdom.
43. **Rodda LN**, Wille S (2019) Basic principles of LEAN and examples for a Tox Lab. Young Scientific Symposium - 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT), Birmingham, United Kingdom.
44. **Rodda LN** (2019) Assessing Cannabis Levels in a Fatal Case, American College of Medical Toxicology (ACMT), San Francisco, California, USA
45. **Rodda LN** (2019) Impaired or Not: Challenging Cannabis Cases with Panel Discussion and Audience Participation, American College of Medical Toxicology (ACMT), San Francisco, California, USA
46. **Rodda LN** (2019) San Francisco’s Fentanyl Epidemic: the Impact of Unknown Potent Opioid Consumption following Counterfeit and Laced Drugs. California Association of Crime Lab Director’s Meeting, Oakland, California, USA
47. **Rodda LN** (2019) DFSA Testing Regime, Stakeholders and Drug Trends, California Association of Toxicologists Spring Meeting, Monterey, California, USA
48. **Rodda LN** (2018) Oral Fluid: Impact in DUID Investigations, California Association of Toxicologists Spring Meeting, Santa Rosa, California, USA

49. Liverman, C, Narula H, Moffat E, **Rodda LN** (2018) Postmortem Endogenous Ethanol Production Detected by Court-Ordered Transdermal Alcohol Monitoring. Joint SOFT and TIAFT International Meeting, Boca Raton, Florida, USA
50. **Rodda LN**, Martucci HF, Ingle EA, Hunter MD (2017) Counterfeits and Lacing: the Impact of Unknown Potent Opioid Consumption. Forensic and Clinical Toxicology Association Conference, Melbourne, Australia
51. **Rodda LN**, (2016) A Cluster of Fentanyl-Laced Heroin Deaths in Melbourne, Australia. 54th Annual Meeting of International Association of Forensic Toxicologists, Brisbane, Australia.
52. **Rodda LN**, Gerostamoulos, Drummer OH (2015) The Bitter Part of Beer. 53rd Annual Meeting of International Association of Forensic Toxicologists, Florence, Italy.
53. **Rodda LN**, Gerostamoulos, Drummer OH (2014). The Detection of Hop-Derived Compounds as Novel Markers for Beer Consumption using UHPLC-MS/MS. 22nd Annual RACI Analytical and Environmental Division R&D Topics Conference. Adelaide, Australia.
54. **Rodda LN**, Gerostamoulos D, Drummer OH (2014) Pharmacokinetics of Iso- α -Acids in Volunteers to Confirm Beer Consumption. 52nd Annual Meeting of International Association of Forensic Toxicologists, Buenos Aires, Argentina.
55. **Rodda LN**, Gerostamoulos D, Drummer OH (2014) The Detection of Hop-Derived Compounds as Novel Markers for Beer Consumption using UHPLC-MS/MS. Australian and New Zealand Forensic Science Society Symposium, Adelaide, Australia.
56. **Rodda LN**, Gerostamoulos D, Drummer OH (2013) The Detection of Hop-Derived Compounds as a Novel Marker for Beer Consumption in Blood using UHPLC-MS/MS. Forensic and Clinical Toxicology Association Inc. Conference, Sydney, Australia.
57. **Rodda LN**, Gerostamoulos D, Drummer OH (2013) The Quantification of Hop-Derived Iso- α -acid type Compounds in Beer using UHPLC-MS/MS. Forensic and Clinical Toxicology Association Conference, Sydney, Australia.
58. **Rodda LN**, Gerostamoulos D, Drummer OH (2013) An LC-MS/MS Method for the Detection and Quantification of Beer Congeners in Blood. 51st Annual Meeting of the International Association of Forensic Toxicologists, Funchal, Madeira - Portugal.
59. **Rodda LN**, Piva TJ, Wright PFA (2008) The effects of Metal Oxide Nanoparticles on UV-Irradiated Keratinocytes. Australian Health and Medical Research Congress (AH&MRC), Brisbane, Australia.