

# **Edith Collins Centre - Annual Report 2023**

## **Research Summary**

The Edith Collins Centre (ECC) is a Translational Research in Alcohol Drugs and Toxicology, established to increase clinical research capacity in the alcohol, drugs and toxicology fields as a partnership between Sydney Local Health District and the University of Sydney.

Our multi-disciplinary research ranges from early interventions for drug and alcohol use, genetic and molecular mechanisms of tissue injury, clinical trials in the treatment of substance use disorders, and encompasses a broad range of disciplines including clinical toxicology, addiction medicine, public health, epidemiology, hepatology, mental health and Aboriginal and Torres Strait Islander health. The Centre comprises several highly successful research groups conducting nationally and internationally leading work in these areas, achieving world-first outcomes in their fields, including the establishment of notable international collaborations and consortia and large multi-national cohorts. The work is mainly supported by external peer-reviewed grants. ECC Staff Specialists also provide leadership and teaching in the Speciality of Addiction Medicine at the University of Sydney.

Specifically, our research is aligned across the following five key areas of research:

- Clinical Toxicology and Pharmacology (Prof Andrew Dawson, Prof Nick Buckley, A/Prof Darren Roberts)
- Aboriginal peoples and other priority populations Substance Use (Prof Kate Conigrave, Prof Kylie Lee, Prof Michael Doyle)
- Alcohol Biology, and Genetics of Liver Disease (Clinical Prof Devanshi Seth, Prof Paul Haber)
- Clinical Research in Alcohol, Addictive Behaviours & Treatment (Prof Kirsten Morley, Prof Paul Haber, Prof Andrew Baillie, Dr Warren Logge)
- Illicit Drug Use (Prof Carolyn Day)

DHS boasts extensive collaborations with external groups. DHS Research has a number of Translational Research projects that aim to increase uptake of evidence-based treatment. These projects are funded by NHMRC and NSW Health and include: increasing uptake of evidence-based treatment for alcohol problems in Australia's First Peoples, improving the management of comorbid mental health and substance use with an integrated approach (including a multi-modal training package to several sites across NSW Health LHD's) and a shared care pathway for the treatment of alcohol use disorders in primary care.

DHS is also an active member of the NSW Drug and Alcohol Clinical Research and Improvement Network (DACRIN), which is a collaborative network of NSW Local Health District and Health Network services engaged in clinical research in the alcohol and other drug (AOD) sector. In 2023, DHS Research unit as part of the Edith Collins Centre contributed to 110 peer-reviewed journal publications, 9 book chapters/monographs, over 30 national and international conference presentations including media appearances, and 37 active grants amounted to over \$67 million.

Medical Education is a key focus of the Research Unit. The fields of substance use, and related health and social consequences are major topics for undergraduate programs in Medicine and the Health Sciences due to the high prevalence of these issues and their major impact. Our staff are currently teaching in Addiction within the University's Faculty of Medicine and Health, across Dentistry, and Pharmacy and Public Health and the brain and mind sciences. Prof Day coordinated addiction

medicine education in the Sydney Medical Program from 2007 to 2020. This role is now shared between Dr Lauren Monds (coordinating Year 3 and 4) and Prof Kirsten Morley (coordinating Year 2).

All groups are involved in continuously training and teaching medical and science graduates (Honours, Masters, MPhil and PhD) and students in Aboriginal health promotion (GradDipIndigHP). Group members are engaged in the placement of overseas trainees/students, teaching/training of GPs and Aboriginal drug and alcohol workers and other clinicians across Australia. We have developed a master's in clinical Toxicology distance learning course and Open-source curriculum, Master of Public Health unit of study "Alcohol, Drugs and Health" and the Addiction unit of study in the Brain and Mind Centre (BMC) post-graduate program. There are opportunities to undertake postgraduate studies in the above areas, from basic science, clinical or public health perspectives.

### **Research Activity 2023**

#### **Key Achievements**

Kylie Lee - Appointed to Professor of Public Health, La Trobe University.

Michael Doyle - Promoted to Associate Professor, Central Clinical School, University of Sydney.

Lauren Monds - Promoted to Senior Lecturer, Central Clinical School, University of Sydney

Darren Roberts - Co-chair, The Extracorporeal Treatments in Poisoning Workgroup (EXTRIP) Workgroup (<https://www.extrip-workgroup.org/>)

#### **Awards/ Medals - National/ International (please describe and list)**

Professor Kylie Lee - Mid Career Researcher Award, APSAD (Australasian Professional Society on Alcohol and Drugs)

Professor Nick Buckley - APAMT Honorary Fellow 2023 - The Asia Pacific Association of Medical Toxicology Honorary Fellowship is the highest award of the society. An Honorary Fellow is selected each year by the board based on their substantive contribution to addressing the toxicological problems of the Asia-Pacific region.

Clinical Professor Devanshi Seth-Finalist, Health Services Award 2023. Research Australia Health & Medical Research Awards sponsored by NSW Government is a prestigious award recognising the outstanding efforts and achievements of individuals and teams who drive and support the opportunities that health and medical innovation bring to our lives.

<https://researchaustralia.org/awards/2023-health-medical-research-awards-finalists>

Finalist, 'Science Category' Women's Agenda Leadership Awards 2023 celebrate women leaders and elevate their incredible work leading for the critical decade ahead.

<https://womensagenda.com.au/latest/announcing-the-finalists-of-the-2023-womens-agenda-leadership-awards>

Centenary Collaborative award 2023. Chair, Centenary Inclusion Gender Equity Program

## **Academic staff**

Professor Paul Haber AM, Clinical Director, Drug Health Services (SLHD); Head, Speciality of Addiction Medicine (USYD)

Professor Nicholas Buckley, Professor, Clinical Pharmacology (USYD); Clinical Toxicologist

Professor Kate Conigrave, Senior Staff Specialist (SLHD); Joint Director, Centre of Research Excellence in Indigenous Health and Alcohol (USYD); Conjoint Professor, Addiction Medicine (USYD)

Professor Kirsten Morley, Specialty of Addiction Medicine (USYD)

Professor Carolyn Day, Faculty of Medicine and Health (USYD)

Professor Andrew Dawson, Senior Staff Specialist (SLHD); Clinical Professor, Pharmacology and Toxicology (USYD)

Professor Michael Doyle, Central Clinical School (USYD)

Clinical Professor Devanshi Seth, Principal Scientist (SLHD); Head, Alcoholic Liver Disease Laboratory (Centenary Institute); Specialty of Addiction Medicine and Specialty of Clinical Medicine (USYD)

Professor Andrew Baillie, Professor, Allied Health (USYD); Clinical Psychologist (SLHD)

Professor Kylie Lee, La Trobe University, Deputy Director, Centre of Research Excellence in Indigenous Health and Alcohol (USYD); Visiting Fellow Centre for Alcohol Policy Research (LTU); Adjunct Associate Professor, National Drug Research Institute (Curtin University); Visiting Fellow, Burnet Institute

Associate Professor Darren Roberts, Staff Specialist (SLHD)

Adjunct Associate Professor Scott Wilson, Joint-Director, Centre of Research Excellence in Indigenous Health, and Alcohol (USYD)

Dr Rose Cairns, Senior Lecturer and NHMRC Emerging Leadership Fellow (USYD)

Dr Mohamed Fahim, A/Research Manager, Adjunct Senior Lecturer (UNSW)

Dr Nazila Jamshidi, Staff Specialist (SLHD); Clinical Senior Lecturer, Central and Western Clinical Schools

Dr Warren Logge, Post-doctoral Research Officer

Dr Maja Moensted, Lecturer, Post-doctoral Research Officer (USYD)

Dr Lauren Monds, Senior Lecturer, Specialty of Addiction Medicine (USYD)

Dr Firouzeh Noghrecchi, Statistician (USYD)

Dr Jacques Raubenheimer, Statistician (USYD)

Dr Sharon Reid, Career Medical Officer (SLHD); Senior Lecturer, Specialty of Addiction Medicine and School of Public Health (USYD)

Dr Ben Riordan, Post-doctoral Research Associate

Dr Amanda Roxburgh, Post-doctoral Research Associate

Dr Bethany White, Clinical lecturer

Dr Eva Louie, Post-doctoral Research Officer

Dr Gezelle Dali, Post-doctoral Research Officer

Dr Alison Evans, Research Associate

### **Research Staff**

Dr Mustafa Al Ansari, Research Fellow

Dr Catherine Zheng, Research assistant

Dr Basma Al Ansari, Research Fellow

Dr Annalee Stearne, Research Fellow

Summer Loggins, Research assistant

Miro Saunders, Research assistant

Sophia Little, Research Assistant

Lucy Peck, Research Assistant

Brennan Geiger, Research Assistant

Zein Albedeen Ali, Research Assistant

Annabelle Chidiac, Research Assistant

Dr Monika Dzidowska, Research Program Manager

Dr Vicki Giannopoulos, Research Officer

Taleah Reynolds, Administrative and research support officer

Brennan Geiger, Research Assistant

Tristan Hurzeler, Research Assistant

Daniel Winter, Research Officer

Grace Balicki – Senior clinical trials coordinator

Lachlan Oldfied – Clinical research associate

Kristiane Pacou Dunbar – Research assistant

Ellen Towers – Research assistant

Caroline Dale – Clinical psychologist

Joel Hoffman – Clinical psychologist

Victoria Chappel – Clinical psychologist

Emma Pygall, Research Nurse

Nick Neale (Psychologist)

Monika Sweckle (Psychologist)

Ankita Vergis (Intern)

Claire Maddox (Research officer/Coordinator)

Olya Ryjenko

Jessica Chow, Research officer

Tzs Chow, Research officer

Winston Kardell

Cecilia Correy

Nadia Reuben, Research officer

Karra Mccann, Research Assistant

Anna Grager, Research Assistant

Sam Harley, Research Assistant

### **Higher Degree Students – PhD**

Tristan Hurzeler, PhD student

Winston Kardell, PhD student

So Bi Kim, PhD student

Jessy Lim, PhD student

Ali Makki, PhD student

Rhys Mantell, PhD student

Erica Martin, PhD student

Tammy Merrick, PhD student

Van Long Nguyen, PhD student

Varan Perananthan, PhD student

Gemma Purcell-Khodr, PhD student

Annalee Stearne, PhD student

Natalie Thurtle, PhD student

Christopher Tremonti, PhD student

Teagan Weatherall, PhD student

Susan Welch, PhD student

Daniel Winter, PhD student

Amelia Woods, PhD student

Ramya Padmavathy Radha Krishnan, PhD student

Kristiane Pacou Dunbar, Phd Student

Ellen Towers, PhD student

Josh Watt, PhD student

Susan Welch, PhD student

Smriti Raichand, PhD student

Jenniffer Pett, PhD student

Qiang S, PhD student

Kalpani S, MPhil student

Sutharsan M, MPhil student

Karina Clarkson, MPhil student

### **Higher Degree Students – Masters**

Sarah Badewitz

Xixi Wen

## **Grant Funding**

<b>Granting Body</b>	<b>Awardees</b>	<b>Project Title</b>	<b>Grant total</b>	<b>Years</b>	<b>Status</b>
Medical Research Future Fund (MRFF) Primary Health Care Digital Innovations	Lee K, Conigrave J, Wilson S, Hayman N, Conigrave K, Percival N, Chikritzhs T, Dawson A, Tracy M, Morley K, Doyle M, Fitts M, Weatherall T	Making it easier for Aboriginal and Torres Strait Islander primary health care services to screen for risky drinking and provide tailored feedback: adapting the Grog Survey App	\$3,466,749	2024-2028	New - Awarded in 2022/2023
MRFF	Doyle, M	Indigenous Health Research: Development of the first Culturally-based Social and Emotional Wellbeing program for Aboriginal and Torres Strait Islander young people in prison.	\$477,486	2023-2025	New - Awarded in 2023
MRFF	Bennett-Levy, Morley, Beesley, Haber, Shakespeare-Finch, Atkinson, Michie, Schloss, Baillie, Bird, Wardle, Matthews, Laukkonen, Hayes, Vosz	After the Floods: Evaluating a Stepped Care Model to Treat Chronic Disaster-related PTSD	\$3,824,462	2024-2028	New - Awarded in 2023
NHMRC Synergy Grant	Mitrou F, Zubrick S, Milroy H, Coffin J, Hamilton S, Brennan-Jones, C, Schurer S, Davis E, Richmond P, Passmore H. (Conigrave K is an Associate investigator)	Improving Aboriginal health by understanding the influence of early life environments and contacts with health and social service systems over time and across generations	\$5,000,000	2023-2027	Existing - Ongoing in 2023
NHMRC	Lintzeris, Lubman, Doyle, Dunlop, Mills, Harrod, Arunogiri, Malouf, Haber, Freeman	A randomised controlled trial of cannabidiol (CBD) in the treatment of cannabis	\$2,120,138	2022-2025	Existing - Ongoing in 2023

		dependence			
NIHR Research and Innovation for Global Health Transformation (RIGHT) Programme	Eddleston M, Gawarammana I, Wickramasuriya S, Street A, Dear J, Hassanian-Moghaddam H, McDonald R, Hovda KE, Buckley N, Konradsen F, Sandilands E, Karunarathne A, Weir C, Tse ML, Bhalla A, Marks C, Ghose A.	Preventing Deaths from Acute Poisoning in Low- and Middle-Income Countries.	\$9,219,076	2023-2028	Existing - Ongoing in 2023
MRFF	Morley, K	Primary Health Care Digital Innovations	\$3,500,000	2023-2027	Existing - Ongoing in 2023
Ministry of Health NSW	Haber P, Doyle M, Day C, Lee K, Morley K, Buckley NA.	NSW Health PRSP - Prevention Research Program	\$500,000	2022-2027	Existing - Ongoing in 2023
MRFF	Morley, Mills, Haber, Lubman, Teesson, Arunogiri, Baillie, Lee, Morse, Back	Innovative Therapies for Mental Illness - A randomised, double-blind, controlled trial of MDMA assisted exposure therapy for comorbid alcohol use and post-traumatic stress disorder.	\$1,951,246	2022-2025	Existing - Ongoing in 2023
NHMRC	Haber PS, Morley KM, Lawrence A, Manning V, Lubman DI, McNally G, Millan Z, Arunogiri S	Synergy Grant - Linking clinical and basic science discovery to find new treatments for alcohol use disorder.	\$5,000,000	2022-2026	Existing - Ongoing in 2023
NSW Health	Morley, K	NSW Alcohol and other Drugs Outcome Linked Outcome Register (AoDOR).	\$30,000	2021-2023	Existing - Ongoing in 2023



NHMRC Project Grant	Stapinski L, Newton N, Snijder M, Doyle M, Champion K, Chapman C. (Conigrave K is an Associate investigator).	Strong and Deadly Futures: A cluster RCT of a computerised school-based alcohol and drug prevention program for Aboriginal and Torres Strait Islander students	\$1,907,377	2019-2024	Existing - Ongoing in 2023
NHMRC Investigator Grant, Emerging Leadership 1	Doyle, M	Alcohol treatment for Aboriginal men in and out of prison	\$607,264	2022-26	Existing - Ongoing in 2023
NSW Ministry of Health	Dunlop A, Roberts J, Lintzeris N, Haber P, Ezard N, Maher L, McEntyre, White B, Doyle M, Graham R	How does long-acting depot buprenorphine impact on the high-risk post-release period for people with opioid dependence – The Release Study	\$798,652	2021-2023	Existing - Ongoing in 2023
NHMRC Ideas Grant	Lee K, Wilson S, Conigrave K, Chikritzhs T, Hayman N, Dawson A, Ali R, Conigrave J, Fitts M	Better data on methamphetamines and other drugs among Indigenous Australians to inform policy and practice	\$2,614,769	2021-2025	Existing - Ongoing in 2023
ARC Discovery Project	Monds L, Takarangi, Chin, Montebello M; PIs: Semrad, Flowe	Investigating Memory Reliability in Intoxicated Witnesses of Crime	\$525,427	2022-2024	Existing - Ongoing in 2023
NHMRC Investigator Grant Level 3	Buckley NA	Applied research to prevent the epidemic of poisoning deaths	\$1,500,000	2022-2026	Existing - Ongoing in 2023
MRFF Innovative Therapies for Mental Illness	Morley K, Mills K, Haber P, Lubman D, Teesson M, Arunogiri S, Baillie A, Yong Yi Lee, Morse, Back S	A randomised, double-blind, controlled trial of MDMA assisted exposure therapy for comorbid alcohol use and post-traumatic stress disorder	\$1,951,246	2022-2025	Existing - Ongoing in 2023

NHMRC Ideas Grant	Askew D, Abbott H, d'Antoine H, Poole N, Egert S, Schluter P, Liddle K. Ais: Spurling G, Moritz K, Conigrave K, Lee K, Hayes L, Toombs M, Brough M, Combo M, Percival N, Spiller V	Fetal Alcohol Spectrum Disorder Prevention and coordination of support for urban Aboriginal and Torres Strait Islander people and communities	\$726,743	2020-2023	Existing - Ongoing in 2023
NHMRC Global Alliance on Chronic Diseases	Dawson A, Glozier N, Conigrave C, Gawarammana I, LEE K, Pearson M, Buckley N, Jan S, Senarathna L, Abeyasinghe R	A randomised stepped wedge trial of the scaling up of a community-based alcohol education program in rural Sri Lankan villages and its effects on alcohol use, and associated harms, depression and social capital.	\$813,968	2018-2022/3	Existing - Ongoing in 2023
MRFF Research Grant	Y Clark, K Glover, A Rumbold, S Brown, K Conigrave, P Middleton, C Leane, K Towers, F Mensah, S Wilson	Working with Aboriginal families and health and social service providers to assess the feasibility of a novel care package to reduce cannabis and alcohol use and social stress in pregnancy	\$675,286	2021-2023	Existing - Ongoing in 2023
NHMRC Centre of Research Excellence	K. Conigrave, S. Wilson, A Shakeshaft, N Hayman, P. Haber, K. Lee, R. Ivers, C. Doran, A. Clifford.	A Centre for Research Excellence: Building Indigenous research capacity to find solutions to alcohol problems	\$2,495,984	2017-2023	Existing - Ongoing in 2023
NHMRC/Clinical Trials and Cohort Studies	Baillie A, Morley K, Haber P, Slade T	A randomised controlled trial of N-acetylcysteine for the treatment of alcohol use disorder	\$1,329,000	2021-2025	Existing - Ongoing in 2023
NHMRC Ideas Grant	Withall, Schofield, Ginnivan, Hwang; AIs: Butler, Snoyman, Greenberg, Monds,	ASCAPE: Audio App-delivered Screening for Cognition and Age-related Health in Older Prisoners	\$844,050	2021-2023	Existing - Ongoing in 2023

	Radford, Dingwall, Howie, Reutens				
NSW Ministry of Health	Conigrave K, Conigrave J, Doyle M, Lee K, Dobbins T, Morley K. (Als Haber P, Buckley N, Doran C, Wilson	Co-creating Evidence from the Alcohol and other Drugs Outcomes Register (AoDOR): Priority population (Ministry of Health NSW. \$30,000 over 2.5 years. Contract varied to allow additional consultations relating to this work, with an additional \$44,356 in 2023)	\$74,356	2021-2024	Existing - Ongoing in 2023
NHMRC	Schaffer A, Pearson SA, Buckley NA, Falster M, Brieger D, Abrahamowicz M, Daniels B	Disentangling the interrelationship between multimorbidity, multi-medicine use, and cardiovascular health	\$480,978	2021-2023	Existing - Ongoing in 2023
NSW Ministry of Health	Dunlop A, Roberts J, Lintzeris N, Haber P, Ezard N, Maher L, McEntyre, White B, Doyle M, Graham	How does long-acting depot buprenorphine impact on the high-risk post-release period for people with opioid dependence – The Release Study	\$798,652	2021-2023	Existing - Ongoing in 2023
Australian Research Data Commons	Cairns R, Wright N, Elliott R, Wylie C, Lynch AM, Dawson A, Greene S, Isoardi K, Armstrong J, Buckley N, Chiew A, Huynh A, Brown J.	Boosting public health research with a national poisoning dataset	\$525,000	2021-2023	Existing - Ongoing in 2023
NHMRC	Fatovich D, Soderstrom J, Dawson A, Alfred S, Greene S, Isorardi K, Pulbrook L, McCutcheon D, Oosthuizen	Emerging Drugs Network of Australia: a coordinated toxico-surveillance system of illicit drug use in Australia to	\$3,722,731	2021 - 2023	Existing - Ongoing in 2023

		enable rapid detection and harm reduction responses via an Early Warning System			
NHMRC	Eastwood, Hiscock, Goldfield, Gillespie, Haber, de Leeuw, Katz, Page, Schneider, Cunich	A Centre of Research Excellence for Integrated Community Care of People with Complex Multi-morbidities	\$3,000,000	2020 - 2025	Existing - Ongoing in 2023
NHMRC	Pearson SA, Pratt N, Buckley N, Preen D, Degenhardt L, Van Gool K, Vajdic C, Jorm L, Wilson A, Henry D	NHMRC Centre of Research Excellence in Medicines Intelligence	\$2,500,000	2020 - 2025	Existing - Ongoing in 2023
NSW Health	Dunlop, Bonevski, Lintzeris, Ezard, Gartner, Jackson, Rich, Oldmeadow, Searles, Nean, Harrod, Haber, Gill, Graham, Hallinan	Harmony study: A trial of the effectiveness of vaporised nicotine products (VNPs) for smoking cessation amongst NSW opiate agonist treatment (OAT) clients	\$950,000	2020 - 2022/3	Existing - Ongoing in 2023
NHMRC	Morley KC (CIG), Haber PS	The eCLIPSE Project: implementing evidence-based eHealth interventions for comorbid mental health and alcohol/other drug use problems into health and community settings	\$196,973	2019- 2023	Existing - Ongoing in 2023
Suicide Prevention Australia	Morley KC (CIC)	Preventing repeated self-poisoning: A brief therapy text message intervention	\$523,614	2019- 2022	Existing - Ongoing in 2023

NHMRC - Project Grant	Degenhardt L, Pearson SA, Dobbins T, Gisev N, Currow D, Blyth F, Larney S, Dunlop A, Mattick R, Wilson A. (Als: Buckley N, Cohen, Coory, Farrell M, Haber P, Ivers R)	Combating escalating harms associated with pharmaceutical opioid use	\$969,205	2018-2021	Existing - Ongoing in 2023
NSW Ministry Health	Haber PS	Opioid Treatment Accreditation Course (OTAC)	\$650,000	2018-2023	Existing - Ongoing in 2023
NHMRC/MRFF Practitioner Fellowship	Haber PS	Novel treatment for alcohol use disorder	\$417,500	2019-2023	Existing - Ongoing in 2023
	<b>New - Awarded in 2023</b>		<b>\$7,768,697</b>		
	<b>Existing - Ongoing in 2023</b>		<b>\$58,919,235</b>		
	<b>Total</b>		<b>\$66,687,932</b>		

## **2023 Publications**

### **Publication Details (please list each individually)**

1. Doyle MF, Perry J, Bower C, Conigrave K and Hamilton S. Fetal alcohol spectrum disorder and Aboriginal and Torres Strait Islander men: A discussion to be had. **Drug and Alcohol Review** 2023; 42(7):1601-1605. doi: 10.1111/dar.137
2. Finlay S, Doyle MF, Kennedy M. Aboriginal and Torres Strait Islander Human Ethics Committees (HRECs) are essential in promoting our health and wellbeing. **Public Health Research & Practice** 2023; 33(2). doi:10.17061/phrp3322312
3. Graham S, Martin K, Gardner K, Beadman M, Doyle MF, Bolt R, Murphy D, Newman C, Bell S, Treloar C, Browne AJ, Aggleton P, Beetson K, Brooks M, Botfield JR, Davis B, Wilms J, Leece B, Stanbury L, Bryant J. Aboriginal young people's perspectives and experiences of accessing sexual health services and sex education in Australia: A qualitative study. **Global Public Health** 2023; 18(1). doi: 10.1080/17441692.2023.2196561
4. Liang Y, Roberts J, Conigrave K, Kim S, Doyle MF. Alcohol relapse prevention health care after alcohol withdrawal in New South Wales prisons, Australia: A patient file review. **Drug and Alcohol Review** 2023; 42(7): 1733-1743. doi:10.1111/dar.13741
5. Reid N, Kent N, Hewlett N, Bagley K, Tsang T, Goldsbury S, Williams R, Akison L, Holland L, Vanderpreet C, Doyle MF, Boaden N, Holland N. Factors to be considered as part of a holistic assessment for fetal alcohol spectrum disorder: A scoping review. **Alcohol: Clinical and Experimental Research** 2023; 47(11): 2007-2021. doi: 10.1111/acer.15191

6. Lee KSK, Conigrave JH, Wilson S, Perry J, Hayman N, Chikritzhs T, Room R, Weatherall TJ, Zheng C, Conigrave KM. Deeper understandings of patterns of drinking among Aboriginal and Torres Strait Islander Australians: informing policy and practice. **Health Promotion Journal of Australia** 2023; 34: 883-888.
7. Welch S, Moles R, Viardot A, Deweerd P, Daly S, Lee K. Connecting the Dots of Care: A pilot study linking Aboriginal and/or Torres Strait Islander peoples with diabetes care in hospital, using hospital pharmacists. **Exploratory Research in Clinical and Social Pharmacy** 2023; 12: 100351.
8. Conigrave JH, Devine EK, Lee KSK, Dobbins T, Vnuk J, Hayman N, Conigrave K. Unintended consequences: Alcohol screening at urban Aboriginal Community Controlled Health Services was suppressed during COVID-19 lockdowns. **Drug and Alcohol Review** 2023; 42(7): 1633-1638.
9. Mersha AG, Kennedy M, Eftekhari P, Lee KSK, Upton P, Segan C, Jackson M A, Jennings K, Gould GS. Using the Behaviour Change Wheel and modified Delphi method to identify behavioural change techniques for improving adherence to smoking cessation medications. **BMC Public Health** 2023; 23(1): 1362.
10. Tracy M, Freeburn B, Lee K, Woods J, Conigrave K. Review of alcohol and drug treatment for Aboriginal and Torres Strait Islander peoples. **Journal of the Australian Indigenous HealthInfoNet** 2023; 4(1).
11. Meharg DP, Naanyu V, Rambaldini B, Clarke MJ, Lacey C, Jebasingh F, Lopez-Jaramillo P, Gould GS, Aceves B, Alison JA, Chaiton M, Chen J, Gonzalez-Salazar F, Goodyear-Smith F, Gwynne KG, Lee KS, MacKay D, Maple-Brown L, Mishara BL, Nigenda G, Ramani-Chander A, Sherwood SG, Thomas N, Thrift AG, Anderson M. The Global Alliance for Chronic Diseases researchers' statement on non-communicable disease research with Indigenous peoples. **The Lancet Global Health** 2023; 11(3): e324-e326.
12. Purcell-Khodr G, Conigrave JH, Lee KSK, Vnuk J, Conigrave KM. Low rates of prescribing alcohol relapse prevention medicines in Australian Aboriginal Community Controlled Health Services. **Drug and Alcohol Review** 2023; 42(7): 1606–1616.
13. Schölin L, Lee KSK, London L, Pearson M, Otieno F, Weerasinghe M, Konradsen F, Eddleston M, Sørensen JB. The role of alcohol use in pesticide suicide and self-harm: a scoping review. **Social Psychiatry and Psychiatric Epidemiology** 2023; 59(2): 211–232.
14. Pearson M, Dawson A, Raubenheimer J, Senerathna L, Conigrave K, Lee KSK, Rajapakse T, Pushpakumara PHGJ, Siribaddana S, Soerensen JB, Konradsen F, Jan S, Dawson AJ, Buckley N, Abeyasinghe R, Siriwardhana P, Priyadarshana C, Haber PS, Dzidowska M, Abeykoon P, Glozier N. A community-based alcohol education intervention (THEATRE) study to reduce harmful effects of alcohol in rural Sri Lanka: Design and adaptation of a mixed-methods stepped wedge cluster randomised control trial. **BMJ Open** 2023; 13(6): e064722.
15. Louie E, Giannopoulos V, Uribe G, Wood K, Teesson M, Childs S, Baillie A, Haber PS, Morley KC. Geographical variation in implementation of the Pathways to Comorbidity Care program in Australian drug and alcohol services. **JBI evidence implementation** 2023; 21(2), 186–193.
16. Marel C, Wilson J, Darke S, Ross J, Slade T, Haber PS, Haasnoot K, Visontay R, Keaveny M, Tremonti C, Mills KL, Teesson M. Patterns and Predictors of Heroin Use, Remission, and Psychiatric Health Among People with Heroin Dependence: Key Findings from the 18-20-Year Follow-Up of the Australian Treatment Outcome Study (ATOS). **International journal of**

**mental health and addiction** 2023; 18:1-18. doi: 10.1007/s11469-022-01006-6. Epub ahead of print.

17. Lin A, Wong K, Visser SK, Jo H, Al-Hindawi Y, Kosbab-Jackson K, Cocks M, Volovets A, Haber P, Hammond K, Taylor N, Yozghatlian V, Lau EM, Marshall NS, Aquino-Salomon T, Sivam S. Diagnosis of cystic fibrosis in adults: Australian Cystic Fibrosis Data Registry data, 2000-2019. **The Medical journal of Australia** 2023; 218(3):138–139. Epub ahead of print.
18. Gardiner A, Volovets A, Haber P, Jo H, Visser S, Yozghatlian V, Taylor N, Nolan S, Dentice R, Malouf M, Marinelli T, Sivam D. ELX/TEZ/IVA use in cystic fibrosis liver disease: Is the perspective of improved lung function worth the risk?. **J Cyst Fibros** 2022; 21(5):881-884. doi: 10.1016/j.jcf.2022.06.008.
19. Logge WB, Morley KC, Haber PS, Baillie AJ. Impaired Decision-Making and Skin Conductance Responses Are Associated with Reward and Punishment Sensitivity in Individuals with Severe Alcohol Use Disorder. **Neuropsychobiology** 2023; 82(2):117-129. doi: 10.1159/000529156.
20. Logge W, Hurzeler T, Arunogiri S, Towers E, Baillie A, Haber PS, Morley K. Hypothalamic-pituitary-adrenocortical response in alcohol dependent patients during baclofen treatment and association with clinical outcome: preliminary results. **Alcohol** 2023; 112:25–29. doi: 10.1016/j.alcohol.2023.05.001.
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### **Review articles**

1. Chidiac A, Buckley NA, Noghrehchi F, Cairns R. Paracetamol (acetaminophen) overdose and hepatotoxicity: mechanism, treatment, prevention measures, and estimates of burden of disease. **Expert Opinion on Drug Metabolism and Toxicology** 2023;19(5):297-317. doi: 10.1080/17425255.2023.2223959.
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### **Research letters/case reports**

1. Chiew AL, Buckley NA. Comment on “Population pharmacokinetic analysis of acetaminophen overdose with immediate release, extended release and modified release formulations”. **Clinical Toxicology** 2023;61(2):139-140. doi: 10.1080/15563650.2022.2135519
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3. Mason, A., Riordan, B., Morley, K.C. (2023) High Risk or Risky Highs: Understanding the Links Between Alcohol and Cannabis Use on the Transition From Suicidal Ideation to Attempts in Australian Men **Archives of Suicidal Research, in press**
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### Book Chapters (please list)

1. **P.S. Haber** and **N Kortt**. Alcohol and other Drug-Related Gastrointestinal Disorders, in ASAM Textbook of Addiction Medicine, 6<sup>th</sup> Edition, 2023.
2. **P.S. Haber** and **E Nash**. Alcohol and other Drug-Related Liver Disorders, in ASAM Textbook of Addiction Medicine, 6<sup>th</sup> Edition, 2023
3. Lee N, Roberts DM, Leung J, Degenhardt L, Nutt DJ, van den Brink W, Dore G, Saunders JB, and Saxon AJ. Psychostimulants (Chapter 15). In: Saunders JB, Nutt DJ, Higuchi S, Assanangkornchai S, Bowden-Jones H, van den Brink W, Bonomo Y, Poznyak V, Saxon AJ, and Strang J, eds. Oxford Handbook of Addiction Medicine. 3rd ed. Oxford: Oxford University Press; In Press doi: XXX. ISBN: 9780192844088.
4. Striley C, Winstock AR, **Roberts DM**, Kalayasiri R, Saunders JB, Brett J, Assanangkornchai S, Sheridan J, Walters C, and Ponton R. Other drugs (Chapter 17). In: Saunders JB, Nutt DJ, Higuchi S, Assanangkornchai S, Bowden-Jones H, van den Brink W, Bonomo Y, Poznyak V, Saxon AJ, and Strang J, eds. Oxford Handbook of Addiction Medicine. 3rd ed. Oxford: Oxford University Press; In press:XXX–XXX. doi: XXX. ISBN: 9780192844088.
5. Ghannoum M, **Roberts DM**. ‘Chapter 84. Treatment of Poisoning with Extracorporeal Methods’. In: Nissenson and Fine’s Handbook of Dialysis Therapy; 6th Edition, Elsevier, In Press.
6. **Roberts DM**. ‘Chapter 109. Herbicides’. In: Hoffman RS, Howland MA, Lewin NA, Nelson LS, Goldfrank LR (Eds). Goldfrank’s Toxicologic Emergencies; 12th Edition, McGraw Hill, In Press.
7. Eddleston M, **Roberts DM**. Introduction to pesticides with an emphasis on global public health. Special Considerations XX. In: Hoffman RS, Howland MA, Lewin NA, Nelson LS, Goldfrank LR (Eds). Goldfrank’s Toxicologic Emergencies; 12th Edition, McGraw Hill, In Press.
8. **Roberts DM** and Nic Ionmhain U. ‘Chapter 25.15. Anticholinesterase insecticides’. Textbook of Adult Emergency Medicine; 6th Edition, Churchill Livingstone, In press.
9. Ghannoum M, **Roberts DM**, Bouchard J. ‘Chapter 67. Elimination enhancement of poisons.’ In: Skorecki L, Chertow GM, Marsden PA, Taal MW, Yu ASL (Eds). Brenner & Rector’s The Kidney; 12th Edition, Elsevier, In press.

## Presentations in 2023 - National & International (please list)

1. **Doyle M**, Healing Our Spirit Worldwide: What's needed and what Aboriginal Australians say works best for alcohol and other drug use treatment in prison.
2. **Doyle M**, Lowitja Institute Conference: The Aboriginal Health and Medical Research Council of NSW Human Research Ethics Committee.
3. **Lee K**, Wilson S, et al. Digital innovation in alcohol and other drug use research and practice [Accepted symposium]. Australasian Professional Society on Alcohol and Drugs (APSAD) Conference, Adelaide, November 2023.
4. Fitts M ... **Lee K**. What are the essential components of a drink and drug driving program among Aboriginal and Torres Strait Islander peoples in South Australia: An exploratory qualitative study [Oral presentation] Australasian Professional Society on Alcohol and Drugs (APSAD) Conference, Adelaide, November 2023.
5. **Seth D**. Invited speaker: Genetics of lipid biology in fatty liver diseases: preclinical modelling in zebrafish. Symposium: Lipids and metabolic syndrome. Future of Lipids: Health and Sustainability, AAOCS 2023 conference - Australian Section Biennial Meeting of the American Oil Chemists' Society (AOCS), Newcastle, NSW Australia. 13-15 Nov 2023.
6. **Seth D**. Genetics of alcohol-related liver disease: risk factors, risk prediction and potential therapeutic approaches. Organiser, co-Chair and speaker, Symposia, European Society for Biomedical Research on Alcoholism (ESBRA) Society meeting, Graz, Austria 31 Aug-3 Sep 2023.
7. **Seth D**. Genomics and beyond: what next for alcohol-associated liver diseases. Organiser, co-Chair of Roundtable, Research Society on Alcohol 46th Annual Scientific Meeting, 24-28 Jun 2023 Seattle, USA.
8. **Seth D**. Genetics of liver cirrhosis: novel findings, risk prediction, clinical translation. Centenary Institute, Sydney, Australia. 6th Jun 2023.
9. **Seth D**. Stratifying AUD patients at high risk of alcohol-related cirrhosis. Edith Collins Centre (Translational Research in Alcohol Drugs and Toxicology) Sydney Local Health District, Sydney, Australia. 24 May 2023.
10. **Roberts DM**. Enhanced elimination, Australasian College of Emergency Medicine Annual Scientific Meeting, Canberra, 2023
11. **Roberts DM** Lithium overdose: not always straight forward, Australasian College of Emergency Medicine Annual Scientific Meeting, Canberra, 2023
12. **Roberts DM** Serotonin toxicity, or not. Toxicology and Poisons Network Australasia Regional Meeting, Brisbane, February 2023
13. **Roberts DM** Haemodialysis for acute poisoning, Asia-Pacific Association of Medical Toxicology Annual Scientific Meeting, Trivandrum, India, 2023
14. **Roberts DM** The educational program of toxicology in Australia & NZ. European Association of Poisons Centres and Clinical Toxicologists Annual Scientific Meeting, Palma de Majorca, Spain, 2023



## Media

1. **Roberts DM.** Fire ants are on the march. Here's what happens when they sting (Published 11th December 2023). <https://theconversation.com/fire-ants-are-on-the-march-heres-what-happens-when-they-sting-218908>
2. **Roberts DM.** Picking mushrooms can go horribly wrong. Here's what can happen, according to a toxicologist. (Published 6th April 2023). <https://theconversation.com/picking-mushrooms-can-go-horribly-wrong-heres-what-can-happen-according-to-a-toxicologist-201381>

## Invited lectures

1. **Buckley NA.** Attempted suicide prevention (Plenary). Annual Scientific Congress of Asia Pacific Association of Medical Toxicology, Trivandrum, India Nov 2023
2. **Buckley NA.** Is it serotonin syndrome? TAPNA meeting, Perth, April 2023.
3. **Buckley NA.** Short and Long-term Effects of Acute Organophosphorus Pesticide Self-poisoning. NIH CounterACT meeting. Washington March 2023

## Original research presentations

1. Isbister GK, Jenkins S, Buckley NA. A randomised controlled trial of antivenom for red-bellied black snake envenoming. **European Association of Poisons Centres & Clinical Toxicology Scientific meeting**, Palma May 2023. **Clinical Toxicology** 2023;61(6-S1):4.
2. Qiang S, Mohamed F, Buckley NA, Mackenzie L, Roberts MS. Impact of plasma concentrations of glyphosate, its metabolite and polyethoxylated tallow amine surfactants on clinical outcomes following glyphosate poisoning. **European Association of Poisons Centres & Clinical Toxicology Scientific meeting**, Palma May 2023. **Clinical Toxicology** 2023;61(6-S1):22-23.
3. Brown JA, Berling I, Jiranantakan T, Buckley NA, Dawson A. Collaborative public health responses to suicide prevention: sodium nitrite. **European Association of Poisons Centres & Clinical Toxicology Scientific meeting**, Palma May 2023. **Clinical Toxicology** 2023;61(6-S1):46-47.
4. Chan BSH, Buckley NA. A case report of hydroxychloroquine poisoning **European Association of Poisons Centres & Clinical Toxicology Scientific meeting**, Palma May 2023. **Clinical Toxicology** 2023;61(6-S1):109-110.
5. Cairns R, Ali Z, Noghrehchi F, Buckley N. Premature death after self-poisoning: a large population-based linkage study with the PAVLOVA cohort, 2011-2020. **TAPNA**, Perth April 2023.
6. Thomson A, Cairns R, Brown J, Buckley N. A New South Wales and Australian Capital Territory review of the use and location of funnel web spider antivenom. **TAPNA**, Perth April 2023.
7. Cairns R, Ali Z, Raubenheimer J, Noghrehchi F, Chitty K, Brown J, Dawson A, Isbister G, Chiew A, Brett J, Buckley N. A longitudinal data linkage of patients with acute poisoning, envenomation and adverse drug reactions in New South Wales, Australia, 2011-2020: the PAVLOVA cohort. **TAPNA**, Perth April 2023.

8. White B, Dunlop AJ, Roberts J Graham R, Ezard N, Maher L McEntyre E, Doyle M, Kypr K, Lintzeris N & Haber P.S. The Release Study- Understanding How Long-Acting Depot Buprenorphine Impacts The High-Risk Post-Release Period-Protocol. **9th International Medicine in Addiction (IMiA) Conference**. Melbourne 1-3 March 2023
9. Mathanki S, Mohamed F, Dassanayake D, Sakeena MHF. Investigation of knowledge regarding antimicrobial resistance among general public living in the Northern and Eastern provinces of Sri Lanka: A descriptive cross-sectional survey. **International Conference on Medical Sciences (ICM) 2023**, Colombo.
10. Mathanki S, Mohamed F, Dassanayake D, Sakeena MHF. Investigation of knowledge regarding antibiotics and it's use among general public living in the Northern and Eastern provinces of Sri Lanka: A descriptive cross-sectional survey. **Annual Faculty Research Symposium and Awards - AFRSA 2022**. Held on February 28, 2023, at the Faculty of Allied Health Sciences, University of Peradeniya
11. Dhanarisi J, Eddleston M, Wunnapuk, K, Gawarammana, I, Mohamed F. The relationships of plasma profenofos and ethanol to clinical outcome in acute profenofos self- poisoning. **Proceedings of the 21st Annual Scientific Congress of the Asia Pacific Association of Medical Toxicology**, Kerala, India, 6th –10th November 2023.
12. Samsudin S, Hamid MNRA, Mohamed F, Kamaruzaman NA, Amir NA. Poisoning Exposure from Adulterated Chocolate-Like Slimming Products Among Children: A Case Series. **Proceedings of the 21st Annual Scientific Congress of the Asia Pacific Association of Medical Toxicology**, Kerala, India, 6th –10th November 2023.
13. Andrew Dawson, Nicole Wright, Piedad Vazquez, Rose Cairns, and Darren Roberts. Feasibility of poisons information centres screening for substance use disorder in patients with deliberate self-harm. **TAPNA ASM 2023**, Perth.
14. Rowena Penafiel, Gina Chowdhury, Darren Michael Roberts, Nazila Jamshidia, and Stuart Duffind. Prolonged vasoplegic shock after verapamil, propranolol and metformin induced metabolic acidosis managed with va ecmo and ihd: a case report. **TAPNA ASM 2023**, Perth
15. Rowena Penafiel, Michael Fitzpatrick, and Darren Michael Roberts. Quantitating methadone partitioning in erythrocytes to inform the interpretation of whole blood methadone concentrations. **TAPNA ASM 2023**, Perth.
16. Rowena Penafiel, David Yoo, Claire Turner, Jared Brown, Catherine McDonald, Jason Tran, Vanessa Shaw, and Darren Michael Roberts. Toxicokinetics of thebaine after consuming non-food grade poppy seeds as a tea. **TAPNA ASM 2023**, Perth.
17. Darren Roberts, Joshua Watt, Emily Walker, Faye Titiania Whan, Michael Roberts, and Lorraine Mackenzie. Suspected toxic leukoencephalopathy following deliberate self-poisoning with loperamide. **TAPNA ASM 2023**, Perth
18. Darren Roberts, Claire Turner, Amy Thomson, Nicole Wright, Kirsty Hope, Keira Glasgow, Jason Tran, Catherine Mcdonald, Vanessa Shaw, Alan Edward, and Jared Brown. A case series of systemic thebaine toxicity in NSW from non-food grade poppy seeds. **TAPNA ASM 2023**, Perth
19. Darren Roberts, Claire Turner, Janet Browning, Shaun Greene, Rohan Elliott, Carol Wylie, Yumi Tane, Genevieve Adamo, Nicole Wright, Kirsty Hope, Keira Glasgow, Bashir Chakar,

Priya Garg, Jennifer Case, Jason Tran, Catherine McDonald, Vanessa Shaw, Alan Edwardsh, Katherine Todd, and Jared Brown. Baby spinach contaminated with datura stramonium: roles of poison information centres in toxic outbreaks. **TAPNA ASM 2023**, Perth

20. Sook Har Ong, Amy Thomson, Nicole Wright, Grace Said, Quynh Anh Truong, and Darren Roberts. An audit of the management of accidental paediatric liquid paracetamol exposures referred to NSW poisons information centre. **TAPNA ASM 2023**, Perth
21. Darren Roberts, Nicole Wright, Jared Brown, and Mona Sajeev. AUSVAPESAFETY: an observational study of e-cigarette exposures and outcomes to an Australian poisons information centre. **TAPNA ASM 2023**, Perth
22. Darren M. Roberts, Mina Roberts and Nazila Jamshidi. Bromoform ingestion causes gastrointestinal radioopacities, apparent hyperchloraemia and carboxyhaemoglobinaemia. **EAPCCT 2023**, Majorca, Spain
23. Jared A. Brown , Tracy Ho , Thanjira Jiranantakan , Una Cullinan , Nicole Wright , Christopher Ewers , Darren M. Roberts and Marissa Parry. Trends in detections of unregistered benzodiazepines and counterfeit alprazolam in New South Wales, Australia. **EAPCCT 2023**, Majorca, Spain
24. Bashir Chakar, Mark Salter and Darren M. Roberts. Accidental minoxidil overdose with hypotension effectively managed with noradrenaline, rather than dopamine. **EAPCCT 2023**, Majorca, Spain
25. Rowena Penafiel and Darren Roberts. A prospective audit of incidence and management of aspiration events in patients with acute poisoning. **ASCEPT 2023**, Sydney