



# PREHOSPITAL CARE RESEARCH FORUM

at the UCLA Center for Prehospital Care

**Annual International  
Research Conference 2021:  
Global Developments in Paramedic Research**

UK	AUSTR ALIAT AEDT	USA East Coast	USA West Coast	Title	Speaker
TUES 10.00	TUES 2100	TUES 05.00	TUES 02.00	Welcome Professor Julia Williams David Page Dr Paul Simpson	John Bruning, CEO, Australasian College of Paramedicine
TUES 10.30	TUES 2130	TUES 05.30	TUES 02.30	<b>Chair: Professor Julia Williams Q&amp;A: Liz Harris</b>  The Malcolm Woollard Lecture: The painful truth	Dr Greg Whitley (UK)
<b>UK 11.15</b>	<b>AEDT 22.15</b>	<b>US EAST 06.15</b>	<b>US WEST 03.15</b>	<b>BREAK</b>	
				<b>Chair: Dr Niamh Cummins Q&amp;A: Jack Barratt Stream 1</b>	<b>Chair: Gary Strong Q&amp;A: Caitlin Wilson Stream 2</b>
TUES 11.30	TUES 22.30	TUES 06.30	TUES 03.30	Accuracy of emergency service telephone triage for predicting adverse outcomes in suspected COVID-19: An observational cohort study <i>Richard Pilbery (UK)</i>	Exploring variation in ambulance calls and conveyance rates for adults with diabetes mellitus who contact the Northern Ireland Ambulance Service: a retrospective database analysis <i>Aoife Watson (UK)</i>
TUES 11.45	TUES 22.45	TUES 06.45	TUES 03.45	Temperature measurement of babies born in the pre-hospital setting: analysis of ambulance service data and interviews with paramedics <i>Dr Laura Goodwin (UK)</i>	Balancing the best job in the world with navigating a complex space. The experiences of Māori (Indigenous Peoples) entering the paramedic profession in Aotearoa New Zealand. <i>Belinda Westenra (New Zealand)</i>
TUES 12.10	TUES 23.10	TUES 07.10	TUES 04.10	Direct Admission to a COVID-19 Ward directed by Paramedic-performed Lateral Flow Testing <i>Alexander Richards (UK)</i>	Hangings attended by ambulance clinicians in the North East of England: a service evaluation <i>Dr Graham McClelland (UK)</i>
12.25	23.25	07.25	04.25	<b>BREAK</b>	
				<b>Chair: Georgina Jones Q&amp;A: Professor Julia Williams Stream 1</b>	<b>Chair: Liz Harris Q&amp;A: Gary Strong Stream 2</b>
TUES 12.40	TUES 23.40	TUES 07.40	TUES 04.40	What are the demographic and clinical differences between those older adults with traumatic brain injury who receive a neurosurgical intervention to those that do not? A systematic review with narrative synthesis <i>Jack Barrett (UK)</i>	The investigation of how paramedics assess capacity and insight in mental health presentations <i>Pamela Nicolson (Australia)</i>
TUES 12.55	TUES 23.55	TUES 07.55	TUES 04.55	Families' experiences of supporting emergency service first responders (ESFRs) and veterans to seek help for a mental health problem. <i>Dr Louise Roberts (Australia)</i>	RESPOND - Resuscitation Ethics: Paramedic Onsite Decisions <i>Iain Campbell (UK)</i>

TUES 13.20	WED 00.20	TUES 08.20	TUES 05.20	Characterising frailty in over 50s using a UK ambulance service: an observational study <i>Karl Charlton (UK)</i>	Stakeholder perspectives of piloting pre-hospital Covid-19 lateral flow testing and direct admissions pathway. <i>Dr Fiona Sampson (UK)</i>
UK 13.35	AEDT 00.35	US EAST 08.35	US WEST 05.35	<b>BREAK</b>	
TUES 14.00	WED 01.00	TUES 09.00	TUES 06.00	<b>International Panel Discussion:</b> Use of social media in healthcare research: the good, the bad and the ugly  <b>Professor Julia Williams (Chair) Q&amp;A: Liz Harris</b> Panelists: <ul style="list-style-type: none"> <li>• Dr. Lisa McNamee (Ireland)</li> <li>• Aidan Baron (Australia)</li> <li>• Dr Buck Reed (Australia)</li> <li>• Georgette Eaton (UK)</li> </ul>	
UK 15.00	AEDT 02.00	US EAST 10.00	US WEST 07.00	<b>Break</b>	
				<b>Stream 1</b>	<b>Stream 2</b>
TUES 15.15	WED 02.15	TUES 10.15	TUES 07.15	Discussion/workshop sessions: Getting started in research  <b>Chair: Louise Reynolds</b> <b>Q&amp;A: Georgina Murphy-Jones</b>  Panelists: <ul style="list-style-type: none"> <li>• Dr Enrico Dippenaar (UK)</li> <li>• Dr Megan Corry (USA)</li> <li>• Sasha Johnston (UK)</li> <li>• Jack Barrett (UK)</li> </ul>	Discussion/workshop sessions: Insider or outsider? An interactive workshop exploring paramedic researchers' identity & positionality  <b>Chair: Caitlin Wilson and Professor Julia Williams</b>  No panelists as all attendees will be engaged in this workshop
UK 16.00	AEDT 03.00	US EAST 11.00	US WEST 08.00	<b>Break</b>	
				<b>Chair: Professor Tom Quinn</b> <b>Q&amp;A: Liz Harris</b> <b>Stream 1</b>	<b>Chair: Enrico Dippenaar</b> <b>Q&amp;A: Jamie Miles</b> <b>Stream 2</b>
TUES 16.15	WED 03.15	TUES 11.15	TUES 8.15	"See us as humans. Speak to us with respect. Listen to us." A qualitative report on ambulance staff requirements of leadership whilst working during the COVID-19 pandemic. <i>Pete Eaton Williams (UK)</i>	Is Pathfinder a Safe Alternative to the Emergency Department for Older Patients? An Observational Analysis <i>Laura McMahan (Ireland)</i>

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TUES 16.30	WED 03.30	TUES 11.30	TUES 8.30	Researching at High Speed: Experiences of an International Paramedic Research Team <i>Lindsey Boechler (Canada)</i>	The Calgary-Cambridge Guide, is it a suitable model for use in a pre-hospital setting? An empirical qualitative study evaluating the practice experiences of newly qualified and student Paramedics. <i>Claire Hastings (UK)</i>
TUES 16.45	WED 03.45	TUES 11.45	TUES 8.45	People with hypoglycaemia: How are treat and leave decisions made? <i>Aoife Watson (UK)</i>	Mediating Mental Health Stressors for First Responders Using Therapy Dogs in Gaston County, NC <i>Jessica Ross (USA)</i>
17.00	04.00	12.00	09.00	<b>Break</b>	
				<b>Chair: Dr Graham McClelland</b> <b>Q&amp;A: Professor Julia Williams</b> <b>Stream 1 and Stream 2</b>	
TUES 17. 15	WED 04.15	TUES 12.15	TUES 09.15	CRASH4: Pre-hospital TXA use – what every paramedic should know.	Professor Ian Roberts (UK)
TUES 17. 40	WED 04.40	TUES 12.1	TUES 09.40	Research culture in Paramedicine: The times they are a-changin!'	Dr Niamh Cummins (Ireland)
<b>UK 18.00</b>	<b>AEDT 05.00</b>	<b>US EAST 13.00</b>	<b>US WEST 10.00</b>	<b>Break</b>	
TUES 18.30	Wed 05.30	TUES 13.30	TUES 10.30	International Conference Newsround	Professor Julia Williams David Page Dr Paul Simpson
TUES 18.45	WED 05.45	TUES 13.45	TUES 10.45	<b>Chair: Dave Page</b> <b>Q&amp;A: Professor Julia Williams</b>  Secondary traumatic stress in emergency services: quantifying and predicting suicidality, compassion fatigue and the effects of vicarious trauma	Dr Ginny Renkiewicz (USA)
<b>UK 19.30</b>	<b>AEDT 06.30</b>	<b>US EAST 14.30</b>	<b>US WEST 11.30</b>	<b>Break</b>	
				<b>Chair: Jack Barrett</b> <b>Q&amp;A: Professor Julia Williams</b> <b>Stream 1</b>	<b>Chair: Liz Harris</b> <b>Q&amp;A: Gary Strong</b> <b>Stream 2</b>
TUES 19.45	WED 06.45	TUES 14.45	TUES 11.45	Paramedic Perceptions of Health <i>Nathan Malek (USA)</i>	Prognostic accuracy of triage tools for adults with suspected COVID-19 in a pre-hospital setting: an observational cohort study <i>Richard Pilbery (UK)</i>
TUES 20.00	WED 07.00	TUES 15.00	TUES 12.00	A Cross-Sectional Analysis of Organisational Structural Predictors of Ambulance Crashes <i>Dr Justin Sleffel (USA)</i>	Ethical dilemmas on the frontlines of COVID-19: Integrating a pluralistic ethical framework and the lived experiences of paramedic, law enforcement and nursing personnel <i>Lindsey Boechler (Canada)</i>

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TUES 20.25	WED 07.25	TUES 15.25	TUES 12.25	Firefighters and Ambulance Clinicians experiences of working as part of a front-line ambulance crew during Covid-19 across a UK County: A Comparison of Perspectives. <i>Suzanne Moffat (UK)</i> <i>Carl Smith (UK)</i>	The Association Between Emergency Medical Technician (EMT) Program Testing Frequency and NREMT Success <i>Dr Charles Foat (USA)</i>
UK 20.40	AEDT 07.40	US EAST 15.40	US WEST 12.40	<b>Break</b>	
				<b>Chair: Jennifer Wilson</b> <b>Q&amp;A: Nick Nudell</b> <b>Stream 1</b>	<b>Chair: Jackson Deziel</b> <b>Q&amp;A: Professor Julia Williams</b> <b>Stream 2</b>
TUES 20.55	WED 07.55	TUES 15.55	TUES 12.55	Adverse events from nitrate administration during right ventricular myocardial infarction and right coronary artery occlusion: a systematic review and meta-analysis <i>Matt Wilkinson-Stokes (Australia)</i>	The detection of atrial fibrillation in a non-conveyed population: a retrospective study of emergency call patients not transported to hospital by the North East Ambulance Service. <i>Emily Heppenstall (UK)</i>
TUES 21.10	WED 08.10	TUES 16.10	TUES 13.10	'Finding the good in the bad' - predicting post traumatic stress and post traumatic growth in dual role Firefighter/Paramedics. <i>Brian Doyle (Ireland)</i> <i>Michelle O'Toole (Ireland)</i>	Early recognition of sepsis by EMS clinicians is associated with better patient outcomes <i>Sean MacAllister (USA)</i>
TUES 21.35	WED 08.35	TUES 16.35	TUES 13.35	Prehospital Firearms-related Injury Descriptives: U.S. National Trends <i>Morgan Anderson (USA)</i>	Anthropogenic bioaerosol kinetics within a simulated ambulance environment: estimating potential exposure to SARS-CoV-2 <i>Professor Rob Chilcott (UK)</i>
UK 21.50	AEDT 08.50	US EAST 16.50	US WEST 13.50	<b>Break</b>	
TUES 22.00	WED 09.00	TUES 17.00	TUES 14.00	<b>International Panel Discussion:</b> Ethics in research  <b>Chair: Dave Page Q&amp;A: Liz Harris</b> <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Dr Remle Crowe (USA)</li> <li>• Ruth Townsend (Australia)</li> <li>• Marty Nichols (Australia)</li> <li>• Georgette Eaton (UK)</li> <li>• Iain Campbell (UK)</li> </ul>	
UK	AEDT	US EAST	US WEST	<b>Break</b>	

23.00	10.00	18.00	15.00		
TUES 23. 15	WED 10.15	TUES 18.15	TUES 15.15	<p><i>Discussion/workshop sessions:</i>  <b>Where is the patient's voice? Involving community engagement (patient and public) in EMS Research:</b></p> <p><b>Chair: Professor Julia Williams</b>  <i>Panelists:</i></p> <ul style="list-style-type: none"> <li>• Rebecca Pierce (Australia)</li> <li>• Janet Holah (UK)</li> <li>• Karl Charlton (UK)</li> <li>• Lindsey Boechler (Canada)</li> </ul>	<p><i>Discussion/workshop sessions:</i>  <b>Let's Collaborate! - Building Effective Research Networks</b></p> <p><b>Chair: Dave Page</b>  <i>Panelists:</i></p> <ul style="list-style-type: none"> <li>• Dr Niamh Cummins (Ireland)</li> <li>• Alan Batt (Canada)</li> <li>• Jennie Helmer (Canada)</li> </ul>
UK 00.00	AEDT 11.00	US EAST 19.00	US WEST 16.00	Break	
				<p><b>Chair: Nick Nudell</b>  <b>Q&amp;A: Professor Julia Williams</b>  <b>Stream 1</b></p>	<p><b>Chair: Jackson Deziel</b>  <b>Q&amp;A: Amy Hutchison</b>  <b>Stream 2</b></p>
WED 00.15	WED 11.15	TUES 19.15	TUES 16.15	<p>What are paramedics experiences of decision-making when managing non-urgent patients? A qualitative study.  <i>Audrey McAdam (UK)</i></p>	<p>Impact of COVID-19 on paramedicine students: A mixed-methods study  <i>Cameron Gosling (Australia)</i></p>
WED 00.30	WED 11.30	TUES 19.30	TUES 16.30	<p>Peripheral intravenous catheter and intraosseous access devices in the prehospital setting, a descriptive and correlational study of data from the NEMSIS public release dataset and the Queensland Ambulance Service.  <i>Matt Mason (Australia)</i></p>	<p>Short-Term Outcomes in Air Medical Trauma Patients Treated with Whole Blood Versus Packed Red Blood Cells  <i>Leslie Brown (USA)</i></p>
WED 00.45	WED 11.45	TUES 19.45	TUES 16.45	<p>Evaluating Prehospital Point of Care Ultrasound Interpretation Accuracy  <i>Kevin Collopy (USA)</i></p>	<p>Minimum Vital Sign Set Documentation among 9-1-1 Patients that were not Transported by EMS in the USA  <i>Dr Antonio Fernandez (USA)</i></p>
UK 01.00	AEDT 12.00	US EAST 20.00	US WEST 17.00	Break	
WED 01. 15	WED 12.15	TUES 20.15	TUES 17.15	<p><b>Chair: Dave Page</b>  <b>Q&amp;A: Professor Julia Williams</b></p> <p>Disparities in care: Equity, Diversity and pain management</p>	<p>Dr Remle Crowe (USA)</p>
WED 01.45	WED 12.45	TUES 20.45	TUES 17.45	Break	

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WED 02.30	WED 13.30	TUES 21.30	TUES 18.30	International Conference Newsround	Professor Julia Williams David Page Dr Paul Simpson
WED 02.45	WED 13.45	TUES 21.45	TUES 18.45	<b>Chair: Louise Reynolds Q&amp;A: Amy Hutchison</b> Women in paramedicine	Dr Sally Hanna-Osborne (Australia)
UK 03.30	AEDT 14.30	US EAST 22.30	US WEST 19.30	<b>Break</b>	
				<b>Chair: Professor Linda Ross Q&amp;A: Sascha Baldry Stream 1</b>	<b>Chair: Cam Gosling Q&amp;A: Krista Reed Stream 2</b>
WED 03.45	WED 14.45	TUES 22.45	TUES 19.45	How do paramedics cope? <i>Dr Natalie Dodd (Australia)</i>	Out-of-hospital cardiac arrests occurring in the presence of general practitioners compared to emergency medical services: a 20-year retrospective study. <i>Brian Haskins (Australia)</i>
WED 04.00	WED 15.00	TUES 23.00	TUES 20.00	It takes a system: Exploring two new and disruptive systems of practice within the Anglo-American Paramedic System <i>Tim Makrides (Canada)</i>	Exploring the role and value of chaplains in the ambulance service: Paramedic perspectives <i>Katie Tunks Leach (Australia)</i>
WED 04.25	WED 15.25	TUES 23.25	TUES 20.25	Building in Bias: Disparities in Paramedic Simulation Training <i>Kathleen O'Connor (USA)</i>	Sensitivity and Specificity of Emergency Medical Dispatching Protocols in the USA <i>Chris Gage (USA)</i>
UK 04.40	AEDT 15.40	US EAST 23.40	US WEST 20.40	<b>BREAK</b>	
				<b>Chair: Laura Triffett Q&amp;A: Louise Reynolds Stream 1</b>	<b>Chair: Buck Reed Q&amp;A: Krista Reed Stream 2</b>
WED 04.55	WED 15.55	TUES 23.55	TUES 20.55	Acceptance and Motivations of COVID-19 Vaccination among Emergency Medical Services Professionals <i>Nate Andrews (USA)</i>	The impact of body-worn cameras on the incidence of occupational violence towards paramedics: A systematic review. <i>Hunter Johnson (Australia)</i>
WED 05.10	WED 16.10	WED 00.10	TUES 21.10	A binational survey of smartphone activated volunteer responders for out-of-hospital cardiac arrest: availability, interventions, and post-traumatic stress. <i>Brian Haskins (Australia)</i>	The Hemodynamic Impact of Induction with Ketamine vs Etomidate during Prehospital Rapid Sequence Intubation <i>Kevin Collopy (US)</i>
WED 05.35	WED 16.35	WED 00.35	TUES 21.35	The Impact of Emergency Remote Teaching on EMS Exam Scores <i>Kelly Kohler (USA)</i>	Contrapower harrassment in Paramedicine: experiences of academic staff in Australian universities <i>Dr Christine King (Australia)</i>

UK 05.50	AEDT 16.50	US EAST 00.50	US WEST 21.50	Break	
WED 06.00	WED 17.00	WED 01.00	TUES 22.00	<p><b>International Panel:</b> The rise of mixed-methods research in paramedicine.</p> <p><b>Chair: Paul Simpson</b> <b>Q&amp;A: Nigel Barr</b> Panelists:</p> <ul style="list-style-type: none"> <li>• Dr Navin Naidoo (<i>Australia</i>)</li> <li>• Tegwyn McManamny (<i>Australia</i>)</li> <li>• Dr Scott Munro (<i>UK</i>)</li> </ul>	
UK 07.00	AEDT 1800	US EAST 02.00	US WEST 23.00	Break	
WED 07.15	WED 1815	WED 02.15	TUES 23.15	<p><i>Discussion/workshop sessions:</i> Getting Published in Paramedicine and Emergency Medicine</p> <p><b>Chair: Nigel Barr</b> <b>Q&amp;A: Louise Reynolds</b> <i>Panelists:</i></p> <ul style="list-style-type: none"> <li>• Dr Graham McClelland, <i>Editor British Paramedic Journal</i></li> <li>• Professor Chris Stein, <i>Editor South African Journal of Prehospital and Emergency Care</i></li> <li>• Professor Ramon Z. Shaban, <i>Editor-in-Chief, Australasian Emergency Care</i></li> <li>• Caitlin Wilson, <i>Associate Editor British Paramedic Journal</i></li> </ul>	<p><i>Discussion/workshop sessions:</i> Balancing research and clinical practice</p> <p><b>Chair: Ben Meadley</b> <b>Q&amp;A: Harry Reeves</b> <i>Panelists:</i></p> <ul style="list-style-type: none"> <li>• Jamie Miles (<i>UK</i>)</li> <li>• Alecka Miles (<i>Australia</i>)</li> <li>• Dr Hamish Carver (<i>Australia</i>)</li> <li>• Paul Misasi (<i>US</i>)</li> </ul>
UK 08.00	AEDT 19.00	US EAST 03.00	US WEST 00.00	Break	
				<p><b>Chair: Kaitlin Krahe</b> <b>Q&amp;A: Louise Reynolds</b> <b>Stream 1</b></p>	<p><b>Chair: Scott Stewart</b> <b>Q&amp;A: Buck Reed</b> <b>Stream 2</b></p>
WED 08.15	WED 19.15	WED 03.15	WED 00.15	<p>Experiences of learning, development, and preparedness for clinical practice among undergraduate paramedicine students, graduate/intern paramedics, and their preceptors: a qualitative systematic review. <i>Hilding Hanna (Australia)</i></p>	<p>The Impact of a Mass Distribution Letter as an Early Intervention for Potential Frequent Callers to a UK Ambulance Service <i>Aidan McDonnell (UK)</i></p>



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WED 08.30	WED 19.30	WED 03.30	WED 00.30	The prognostication of lactate during out of hospital cardiac arrest – an observational study <i>Karl Charlton (UK)</i>	What factors influence clinical decision making for paramedics when attending to paediatric emergencies in the community within one Ambulance Service Trust? <i>Jeff Hetherington (UK)</i>
WED 08.45	WED 19.45	WED 03.45	WED 00.45	Defining Paramedicine: An International Delphi study <i>Dr Alexander Olausssen (Australia)</i>	The forgotten GCS: Group Clinical Supervision as a novel tool for the holistic development of paramedics. <i>Jacque Willis (Australia)</i>
<b>UK 09.00</b>	<b>AEDT 20.00</b>	<b>US EAST 04.00</b>	<b>US WEST 01.00</b>	<b>Break</b>	
WED 09. 10	WED 20.10 *ADL 1940	WED 04.10	WED 01.10	<b>Chair: Professor Linda Ross</b> <b>Q&amp;A: Amy Hutchison</b>  Research translation and implementation.	Professor Craig Lockwood, (Australia)
WED 09.40	WED 20.40	WED 04.40	WED 01.40	<b>CLOSING OF CONFERENCE</b>  John Martin, President, UK College of Paramedics John Bruning, CEO, Australasian College of Paramedicine  David Page Dr Paul Simpson Professor Julia Williams	