



# UKCCRG

## UK Critical Care Research Group

**14th National Forum**

**Thursday 18th – Friday 19th January 2024**

**National Oceanography Centre,**

**European Way, Southampton**



**Approved for 10 CPD Points**



**Revalidation  
FOR ANAESTHETISTS**



## **Welcome**

We are delighted to welcome you to the National Oceanography Centre in Southampton,  
for the 14th National UKCCRG Forum

Presentations on a wide range of topics, research proposals, and investigator meetings all delivered at excellent  
University facilities on the dock front .

The Titanic set sail on its maiden voyage from Southampton. Southampton is accessible by road, train, air and  
boat and is a lively city with plenty to do and place to eat drink and relax. It is a stone's throw away from many  
local attractions and including The New Forest National Park, Portsmouth and the Historic dockyards and the Isle  
of Wight. Please get in touch if you need any additional information or there is anything we can do to make your  
forum more enjoyable

## **Registration**

Registration will take place on level 4

## **Cloakroom**

Cloakroom facilities will be provided on level 4 and bag drop will be available on the ground floor

## **Refreshments**

All refreshments will be provided on the concourse

## **Meeting Rooms**

Main sessions will take place in the Charnock Lecture Theatre/Seminar Room

All break out rooms will be signposted around the venue

## **Sponsors**

Our supporting / sponsoring organisations are listed on the back of this programme

## **WIFI**

Eduroam is available for those with access

Details for free WIFI connection will be provided around the meeting rooms

## **Twitter Feeds**

To see the latest news and comments from the forum and to join in discussion please use

#UKCCRF2024

**Thursday 18th January**

**08:30 - 09:00 Registration, Tea/Coffee**

**Session 1 ( 09.00 - 10.30)**

***Charnock Lecture Theatre 104/20 and Seminar Room 104/13***

***Chairs: Cathy McKenzie /  
Rebecca Cusack***

09.00	Welcome	<i>Mike Grocott</i>
09.10	NIHR Update	<i>Paul Dark</i>
09.20	Update from the Critical Care National Speciality Group	<i>Charlotte Summers</i>
09.30	Update from the UK Critical Care Research Group (UKCCRG)	Ben Creagh-Brown
09:40	NIHR BRC (Biomedical Research Centre) Southampton - working across research themes	Kay Mitchell
09:50	NIHR BRC University College London -Critical Care theme – looking forward	David Brealey
10:00	NIHR BRC Southampton, Perioperative and Critical Care Theme	Denny Levett
10:10	ICS – Facilitating Critical Care Research	Steve Mathieu
10.20	Panel Discussion / Q&As	

**10:30 - 10.50 Tea/Coffee**

**Session 2 ( 10.50 - 13.10)**

***Charnock Lecture Theatre 104/20 and Seminar Room 104/13***

**Trial Design / Methodology**

***Chairs: Ahilanandan Dushiathan /  
Charlotte Summers***

10.50	New Directions ICNARC (Improving Efficiency in Research)	Paul Mouncey
11.15	Biomarker guide to clinical trials	Gareth Griffiths
11.40	Incorporating health economics into critical care research	Tracey Sach
12.05	From simple to complex, trial designs	Marion Campbell
12:30	Mixed method research	Louise Rose
12.55	Panel Discussion / Q&As	

## Thursday 18th January

**13:10 – 14.00 Lunch**

### Lunch Time Session (13.15—13.45)

#### Research / Investigator Meetings (Rooms below)

1. <b>REMAP-CAP</b> ( <i>T Gordon / P Mouncey</i> ) (Seminar Rm 104/13)	4. <b>UKROX/MEDROX</b> ( <i>D Martin</i> ) (Charnock Lecture Theatre)
2. <b>MOSAICC</b> ( <i>L Forni</i> ) (Open Area)	5. <b>CoMiTED</b> ( <i>E Carlton</i> ) (Open Area)
3. <b>T4P</b> ( <i>P Watkinson</i> ) (Ocean Rm 124/15)	6. <b>MARCH</b> ( <i>B Connolly</i> ) (Conference Rm 344/32)

### Session 3 (14.00 - 15.00)

#### Parallel Session

Research Proposals Charnock Lecture Theatre <i>Chairs: Denny Levett / Ben Creagh-Brown</i>		Research Proposals Seminar Room 104/13 <i>Chairs: Natalie Pattison / Dan Martin</i>	
14.00	Defining molecular mechanisms and endophenotypes of hospitalised patients with respiratory failure from severe pneumonia ( <b>Epi-Pneumonia study</b> ): A bench to bedside pilot study  <i>Thomas Roe, Southampton</i>	14.00	Melatonin in Sepsis Trial – a pilot study ( <b>MISTY</b> )  <i>Andrew Cumpstey, Southampton</i>
14.15	Development of a core baseline characteristic set for trials of interventions modifying duration of mechanical ventilation  <i>Bronwen Connelly, Belfast</i>	14.15	Defining Antibiotic Levels in Intensive care patients ( <b>DALI-2</b> )  <i>Marlies Ostermann, London</i>
14.30	Anti-cholinergic drug burden, delirium, and post-discharge traumatic stress of critical care survivors ( <b>ACB in ICU</b> )  <i>Andrew Bates Southampton</i>	14.30	Subphenotype Inflammatory Profiles in Respiratory Sepsis ( <b>SIPRES</b> )  <i>Jan Hansel University of Manchester</i>
14.45	Development of micro-dialysis online sensor technology for use in critical care of acute brain trauma patients.  <i>Chisomo Zimphango, Cambridge</i>	14.45	An observational pilot study for the <b>Multi-Modality</b> risk prediction and early Identification of <b>Critically ill Septic</b> patients in the emergency department ( <b>MMICS</b> )  <i>James Ward, Southampton</i>

**15.00—15.20 Tea/Coffee**

**Thursday 18th January**  
**Session 4 (15.20 - 17.10)**

**Parallel Session**

Emerging Methods Charnock Lecture Theatre <i>Chairs: Paul Dark / Bronwen Connolly</i>		Subspecialty Critical Care Research Seminar Room 104/13 <i>Chairs: Bethan Jenkins / Claudia Nixon</i>	
15.20	<i>Big Data</i>  <i>Annemarie Docherty</i>	15.20	Research in Palliative Care  <i>Carol Davis / Mark Banting</i>
15.45	Metabolomics in ICU  <i>Jon Swann</i>	15.45	Infection and Critical Care  <i>Kordo Saeed</i>
16.10	The Microbiome in the Critical Care Unit  <i>Franklin Nobrega</i>	16.10	Burns  <i>Kathryn Puxty (via Zoom)</i>
16.35	Metagenomics in critical care  <i>Jonathan Edgeworth</i>	16.35	Oxygen Therapy  <i>Dan Martin / Mike Grocott</i>
17:00	Panel Discussion / Q&As	17:00	<i>Panel Discussion / Q&amp;As</i>

**Evening Session (17.15—18:00)**

*Chair: Mike Grocott / Cathy McKenzie*

*Charnock Lecture Theatre 104/20 and Seminar Room 104/13*

**Plenary Lecture:** *Louise Thwaites* — Multinational Research in Resource Limited Settings

**Evening Session ( 18.00 - 18.30)**

**Research / Investigator Meetings (Rooms below)**

1. <b>iREHAB</b> (B Connolly) (Seminar Rm 104/13)	4. <b>SHORTER</b> ( <i>T Hellyer</i> ) (Ocean Rm 124/15)
2. <b>INTACT 2</b> ( <i>D Griffith</i> ) (Open Area)	5. <b>AIRWAYS</b> ( <i>K Couper / S Watkins</i> ) (Conference Rm 344/22)
3. <b>ABBRUPT</b> ( <i>T Whitehouse</i> ) (Charnock Lecture Theatre)	6. <b>SEPTIC</b> ( <i>T Gordon</i> ) (Open Area)

**UKCCRF Wine Reception, Dinner and Barn Dance**

**Ocean View Suite, National Oceanography Centre (NOC)**

**18.45 for 19.30**

*Dress Smart/Casual*

*Bar Closes at midnight (last orders 23.00)*

## Friday 19th January

**08.30 - 09.00 Registration, Tea/Coffee**

### 08:30 - Annual General Meeting: Charnock Lecture Theatre 104/20

Update form UKCCRG and AGM

### Session 5 (09.00 - 10.35)

*Charnock Lecture Theatre 104/20 and Seminar Room 104/13*

	<b>Research Analysis / Delivery</b>	<b>Chairs: Andy Bates / Barbara Phillips</b>
09.00	Welcome to day 2 / Housekeeping	<i>Cathy McKenzie / Rebecca Cusack</i>
09.05	James Lind Alliance— Sepsis and Septic Shock	<i>Andy Conway Morris</i>
09.10	Priorities for NIHR and Impact for Critical Care	<i>Danny McAuley</i>
09.25	Delivering multiple ventilation studies -view from the Clinical Trials Unit (CTU)	<i>Ranjit Lall</i>
09.40	Short comings and alternatives research methodology	<i>David Harrison</i>
09.55	MiSslon ICU (qualitative methods)	<i>Leanne Aitken</i>
10.10	Research dissemination	<i>Rob MacSweeney</i>
10.25	Panel discussion / Q&As	

**10:35 - 10.50 Tea/Coffee**

### Session 6 (10.50 - 12.10)

#### Parallel Sessions

<b>Research Workshop—Getting Funded</b> <b>Charnock Lecture Theatre 104/20</b> <b>Chairs: Rob MacSweeney / Cathy McKenzie</b>		<b>Workshop—Getting Published</b> <b>Seminar Room 104/13</b> <b>Chairs: Becky Cusack / David Griffith</b>	
10.50	NIHR Support Service Wessex  <i>Issy Reading</i>	10.50	What The Editor Is Looking For  <i>Dan Martin</i>
11.10	Research funded time in ICU  <i>Gary Mills</i>	11.10	Ethics and Consenting, Critical Care Research  <i>David Carpenter</i>
11.30	Securing Senior Research Fellow Funding  <i>Tony Gordon</i>	11.30	Writing and Publishing Reviews  <i>Ahilanandan Dushianthan</i>
11.50	Responsibilities of the PI/CI  <i>Bronwen Connolly</i>	11.50	Artificial intelligence and Medical Publishing  <i>Mike Grocott</i>

## Friday 19th January

12.00—13.00 Lunch

### Lunch Time Session (12.30 - 13.00)

Andy Cumpstey / Tim Felton

#### Inter-disciplinary Meetings : Challenges and Opportunities (Rooms below)

1. <b>Eye Movement Desensitisation and Reprocessing (EMDR)</b> ( <i>A Bates</i> ) (Seminar Rm 104/13)	4. <b>Patients, Family Members and their Medication</b> ( <i>R Bourne</i> ) (Ocean Rm 124/15)
2. <b>Seismic-R and Realist methodology</b> ( <i>N Pattison</i> ) (Open Area)	5. <b>Monitoring Nutrition</b> ( <i>B Jenkins</i> ) (Open Area)
3. <b>Trainee Research in Intensive Care</b> ( <i>A Boyle</i> ) (Charnock Lecture Theatre)	6. <b>Adult Literacy &amp; Communication in Research</b> ( <i>D Byrne</i> ) (Conference Rm 344/32)

### Session 7 (13.00 - 14.30)

*Charnock Lecture Theatre 104/20 and Seminar Room 104/13*

	<b>Engagement and Diversity in Research</b>	<b><i>Chairs: Jeremy Dearling / Carol Davis</i></b>
13:00	Including minority groups in research	Jeremy Dearling
13:20	Essential PPI (Patients and Public Involvement)	Gordon Sturmeay
13:40	Diversity in Researchers	Mahendra Patel
14:00	Research Engagement and Impact	Christopher Stock
14:20	Panel discussion / Q&As	

## Session 8 (14.30 - 15.30)

### Parallel Sessions

Research Proposals Charnock Lecture Theatre <i>Chairs: Danny McAuley / Denny Levett</i>		Research Proposals Seminar Room 104/13 <i>Chairs: Andy Conway Morris / Alicia Waite</i>	
14.30	Expiratory Muscle Strength Training in Post-Extubation Dysphagia ( <b>EMST-PED</b> )  <i>Claire Mills, Leeds</i>	14.30	The Sedative and Haemodynamic Effects Of Continuous Ketamine Infusions on Intensive Care Unit Patients ( <b>SHOCK-ICU</b> )  <i>Nicholas Richards, Leeds</i>
14.45	Precision medicine Adaptive Network platform Trial in Hypoxemic acute respiratory failure ( <b>PANTHER</b> )  <i>Kiran Reddy, Belfast</i>	14.45	Assessing the heterogeneity of response by critically ill patients to amiodarone and beta-blockers used for the management of new onset atrial fibrillation. A study to enrich and explain the results of the ABBRUPT study. ( <b>ABBRUPT PKPD</b> )  <i>Barbara Phillips, Brighton</i>
15.00	Causes Of Persistent Pain in ICU Survivors study ( <b>COPPICUS</b> )  <i>James Sheean, Guildford</i>	15.00	Fostering teamwork for resilient staff and safe care in ICU (FEARLESS ICU)  <i>Andreas Xyrichis, Kings London</i>
15.15	Models of safety huddles in ICU ( <b>MOSHI</b> )  <i>Louise Stayt</i>	15.15	Metabolic and molecular characterization of ICU patents – focus on mitochondria  <i>Charlotte Thomas, Southampton</i>

**15.30—15.40 Tea/Coffee**

## Session 9 (15.40 - 16.30)

*Charnock Lecture Theatre 104/20 and Seminar Room 104/13*

Collaborative Acute Care Research		<i>Chairs: Dave Brealey / Kay Mitchell</i>
15.40	Research Team Delivery	Karen Salmon
15.55	Research Implementation	Cathy McKenzie
16.10	Future Direction /Research Prioritisation	Tony Whitehouse
16.25	Close of meeting / Handover to 2025	Rebecca Cusack and Ben Creagh Brown



## Speakers/Chairs

Leanne Aitken	Professor of Critical Care Nursing, City University London
Mark Banting	Consultant in Palliative Care, University Hospital of Southampton
Andy Bates	NIHR (National Institute for Health Research) Clinical Doctoral Research Fellow, University of Southampton, Southampton
Jonathan Benger	Professor of Emergency Care, University of the West of England, Bristol
Richard Bourne	Consultant Pharmacist and Senior Clinical Lecturer, University of Manchester
David Brealey	Consultant Intensivist, University College Hospital NHS Foundation Trust
Dominique Byrne	Trainee Advanced Critical Care Practitioner (ACCP), Queen Alexander Hospital, Portsmouth
Marion Campbell	Professor of Health Services Research, University of Aberdeen
David Carpenter	Chair of Ethics Committee, Southampton
Claudia Nixon	Specialist Pharmacist in Critical Care, University Hospital of Southampton
Edd Charlton	Professor of Emergency Medicine, North Bristol NHS Trust
Bronwen Connolly	Senior Lecturer, Wellcome-Wolfson Institute for Experimental Medicine, Queen's University, Belfast
Keith Couper	Associate Professor in Emergency and Critical Care, Warwick Clinical Trials Unit
Andy Conway Morris	MRC Clinician Scientist / Honorary Consultant in Intensive Care Medicine, University of Cambridge/Addenbrooke's Hospital
Ben Creagh-Brown	Clinical Academic Intensivist, Royal Surrey County Hospital, and Chair, UKCCRG
Andrew Cumpstey	NIHC Academic Clinical Fellow
Rebecca Cusack	Consultant Critical Care Medicine and Honorary Associate Professor, University Hospital Southampton
Paul Dark	Professor of Critical Care Medicine, University of Manchester/ NIHR National Specialty Lead for Critical Care
Carol Davis	Consultant in Palliative Care, University Hospital Southampton
Jeremy Dearling	PPI (Patients and Public Involvement) representative
Annemarie Docherty	Wellcome Clinical Research Career Development Fellow and an Honorary Consultant in Critical Care
Ahilanandan Dushianthan	Consultant Intensivist and Honorary Associate Professor, University of Southampton
Jonathon Edgeworth	Professor of Infectious Diseases, Kings College London, London
Andrew Eynon	Consultant in neurosciences intensive care, University Hospital of Southampton

## Speakers/Chairs

Lui Forni	Professor of Intensive Care Medicine, University of Surrey
Anthony Gordon	Professor of Critical Care Medicine Imperial College London
David Griffith	Consultant in Anaesthesia and Critical Care, Reader in Anaesthesia and Critical Care, University of Edinburgh
Gareth Griffiths	Director of the Southampton Clinical Trials Unit, Professor of Clinical Trials
Mike Grocott	Professor of Intensive Care and Anaesthesia, Medical School, University of Southampton.
David Harrison	Head Statistician at ICNARC, Joint Clinical Director Honorary Professor in the Department of Medical Statistics at the London School of Hygiene & Tropical Medicine
Tom Hellyer	Clinical Academic Intensivist, Newcastle Hospitals NHS Foundation Trust
Bethan Jenkins	Lead Dietitian and Researcher, University Hospital Southampton NHS Foundation Trust
Ranit Lall	Professor of Clinical Trials, Warwick Clinical Trials Unit
Denny Levett	Professor of Perioperative Medicine, University of Southampton, Southampton
Rob MacSweeney	Consultant Intensivist and Director of Critical Care Reviews, Belfast
Dan Martin	Professor in Intensive Care Medicine, University of Plymouth, Plymouth, Editor in Chief Journal of Intensive Care Society
Steve Mathieu	Consultant Intensivist, Queen Alexander Hospital, Portsmouth, President of the Intensive Care Society,
Danny McAuley	Professor of Intensive Care, Queen's University, Belfast, Director of MRC/NIHR Efficacy and Mechanism Evaluation Programme, NIHR Scientific Director for Research Programmes
Cathy McKenzie	Consultant Pharmacist in Critical Care, Pharmacy and Critical Care and Honorary Associate Professor, University of Southampton
Victoria Metaxa	Consultant Intensivist, Kings Critical Care, King's College Hospital NHS Foundation Trust
Gary Mills	Consultant in Intensive Care Medicine and Anaesthesia, Sheffield Teaching Hospitals. UK Hon Professor of Critical Care Medicine and Perioperative Medicine, Sheffield University
Kay Mitchell	Biomedical Research Centre, Southampton, Programme Manager, Southampton
Paul Mouncey	Joint Director, Intensive Care National Audit and Research Centre (ICNARC)
Franklin Nobrega	Associate Professor in Microbiology, University of Southampton
Mahendra Patel	Professor of Pharmacy, University of Oxford
Natalia Pattison	Professor of Critical Care Nursing, University of Hertfordshire
Kathryn Puxty	Consultant Intensivist and Research Fellow, Glasgow Royal Infirmary
Issy Reading	Professorial Fellow in Medical Statistics, University of Southampton
Louise Rose	Professor of Critical Care Nursing, Kings College London
Tracey Sach	Professor of Health Economics, University of Southampton
Kordo Saeed	Consultant Microbiologist, Honorary Associate Professor, University of Southampton



## **Feedback and Certificate of Attendance**

We would really like your feedback on this year's forum.

To obtain your CPD certificate / certificate of attendance please go to:

<https://edin.ac/47UGzzz>

## **Useful Local Information**

Southampton Taxis 02382 182183

Aero Taxis 02380 010203

**Southampton Central  
Train Station**



<https://www.nationalrail.co.uk/>

**Southampton Airport**



<https://www.southamptonairport.com/>

**Southampton Bus Services**



[https://www.bluestarbus.co.uk/  
services](https://www.bluestarbus.co.uk/services)

**UKCCRF 2024 was generously supported by**

NIHR Southampton Biomedical Research Centre, School of Medicine, University of Southampton

**The Forum is the annual meeting of the UK Critical Care  
Research Group (UKCCRG) which is sponsored by**

Association of Chartered Physiotherapists in Respiratory Care

British Association of Critical Care Nurses

Faculty of Intensive Care Medicine

Intensive Care National Audit & Research Centre

Intensive Care Society

National Outreach Forum

Northern Irish Intensive Care Society

Scottish Intensive Care Society

United Kingdom Clinical Pharmacy Association

Welsh Intensive Care Society