

## Programme

Thursday 25 – Friday 26 June 2015

Manchester Conference Centre

### Thursday 25 June

09:00 - 10:00 Registration, tea/coffee

#### Morning session (10:00 – 12:30)

Plenary session: 'Big Data and Critical Care'

Chairs: Paul Dark / Stephen Wright

10:00	Welcome	Paul Dark
10:05	Opportunities and challenges for 'Big Data' research in UK	Tjeerd Van Staa
10:30	Population health and critical illness	Naz Lone
10:55	Discussion	

11:10 - 11:30 Tea/coffee

Plenary session: 'Big Data and Critical Care'

Chairs: Stephen Brett / Jane Eddleston

11:30	Big data to answer big questions in critical care	David Harrison
12:00	Developing 'Big Data' research	Niall MacCallum

12:30 - 13:30 Lunch

#### Afternoon session (13:30 – 17:15)

Research proposals

Chairs: Catherine Plowright / John Prowle

13:30	A feasibility study of the use of a mechanical chest compression device for in-hospital cardiac arrest	Keith Couper
13:50	Prevention of aspiration in critically ill adults	Matt Morgan
14:10	Simvastatin for the prevention of cardiac and respiratory complications in patients undergoing oesophagectomy – Prospective randomised double blind UK multicentre study	Murali Shyamsundar
14:30	Prospective randomised double blind clinical study to compare the efficacy and safety of aripiprazole versus quetiapine in the management of moderate-severe critical care delirium	Catherine Mckenzie
14:50	Targeted multi-disciplinary intervention to improve patient outcomes after critical care discharge (TRACC): a feasibility study	Ben Morton

15:10 - 15:30 Tea/coffee

**Research proposals**

***Chairs: Shondipon Laha / Anthony Gordon***

15:30 Study into the REversal of Septic Shock with Beta Blockade (STRESS-BB)

*Tony Whitehouse*

15:50 pRotective vEntilation with veno-venouS lung assist in respiratory failure (The REST Study)

*Danny McAuley*

**NIHR Critical Care Research Delivery Network**

***Chairs: Simon Fletcher / Dan Harvey***

16:15 Results of the 'Patient Access to Research' project

*Natalie Pattison*

16:25 Reflections on Developing a National Critical Care Research Delivery Network

*Tim Walsh*

**UKCCRF: an update**

***Chairs: Tim Walsh / Natalie Pattison***

16:50 UKCCRF: an update

*Tim Walsh and Natalie Pattison*

17:15 End of Day 1

**19:30**

**Delegates' Dinner – Manchester Conference Centre**

**After Dinner Speaker: Dr Peter Nightingale**

## Friday 26 June

**08:30 - 09:00**      **Tea/coffee**

### Parallel sessions (09:00 – 12:30)

**Drugs and therapeutics**

*Room: The Leader Suite*

**Guest speakers (Methodologies)**

*Chairs: Catherine Mckenzie / Ingeborg Welters*

- 09:00** Precision medicine in the ICU: The role of pharmacogenomics  
*Munir Pirmohamed*
- 09:30** Getting the dose right: Understanding the PK-PD relationship  
*Tim Felton*
- 10:00** Using therapeutics to explore mechanisms of disease  
*Tony Rostron*

**Health Services Research (HSR)**

*Room: The Pioneer Theatre*

**Methodological approaches**

*Chairs: Bronwen Connolly / Natalie Pattison*

- 09:00** Overview of qualitative methods in critical care research  
*Ruth Endacott*
- 09:30** Core outcome sets for critical care research  
*Bronagh Blackwood*
- 10:00** Process evaluation framework for critical care trials  
*Lydia Emerson*

**10:30 – 11:00**      **Tea/coffee**

**Experimental medicine - developing new therapeutics**

*Chairs: Tim Felton / Ingeborg Welters*

- 11:00** New therapeutics: challenges in translational research  
*Danny McAuley*
- 11:30** First-in-man studies  
*Richard Fitzgerald*
- 12:00** Introducing new drugs into clinical practice – The commercial perspective  
*David Fineberg*

**New HSR proposals**

*Chairs: Bronwen Connolly / Natalie Pattison*

- 11:00** Critical Care Nurse Work-Related Stress and Wellbeing: Is there a Relationship with Patient Safety?  
*Louise McCallum*
- 11:25** Sedation Challenge  
*Valerie Page*
- 11:50** The changing support needs of ICU survivors and their families across the care continuum  
*Bronagh Blackwood*
- 12:15** Intermittent versus Continuous Enteral Nutrition in Critical Illness: Project Update  
*Danielle Bear*

**12:30-13:30**      **Lunch**

### Afternoon session (13:30 – 16:30)

**Research proposals**

*Chairs: Tim Walsh / Valerie Page*

- |  |                                |
|--|--------------------------------|
| <p>13:30    Normal Saline vs Plasma Lyte and mortality in Critically Ill Patients: a prospective multicenter cluster randomized cross over trial</p> | <p><i>Maurizio Cecconi</i></p> |
|--|--------------------------------|

**Exploratory research proposals**

*Chairs: Tim Walsh / Valerie Page*

- |   |                                      |
|---|--------------------------------------|
| <p>13:50    Methodological Issues in Early Phase Critical Care Trials</p>   | <p><i>Rejina Mariam Verghis</i></p>  |
| <p>14:10    Small volume resuscitation With albumin in Intensive care: Study of Haematological effects (SWISH)</p>                        | <p><i>Jonathan Bannard-Smith</i></p> |
| <p>14:30    Breath Analysis in Intensive Care: Proof of Concept for Non-Invasive Diagnosis of Ventilator Associated Pneumonia (BRAVo)</p> | <p><i>Pouline van Oort</i></p>       |

14:50 - 15:10 Tea/coffee

**Plenary Session:  
Masterclass on planning clinical trials in the NHS**

***Chairs: Tim Felton / Christina Jones***

15:10	Asking the right research question - they asked, we did	<i>Anthony Gordon</i>
15:30	Stakeholder involvement in developing research priority	<i>Hannah Reay</i>
15:50	Setting up PPI for clinical trials	<i>Joyce Yeung</i>
16:10	Patient experience	<i>Norman Druce</i>

**16:30 Close of meeting and hand over to 'Newcastle 2016'**

**Hosted by**

Manchester Academic Health Sciences Centre (University of Manchester)

**Supported by**

Association of North Western Intensive Care Units (ANWICU)

Faculty of Intensive Care Medicine (FICM)

Intensive Care Foundation (ICF)

Intensive Care National Audit & Research Centre (ICNARC)

North West Research and Audit Group (NWRAG)

United Kingdom Clinical Pharmacy Association (UKCPA)

## Speakers/Chairs

Jonathan Bannard-Smith	Consultant Critical Care Central Manchester University Hospitals
Danielle Bear	Principal Critical Care Dietitian Guy's and St Thomas' NHS Foundation Trust
Bronagh Blackwood	Senior Lecturer Queen's University Belfast
Stephen Brett	Consultant in Intensive Care Medicine Imperial College London
Maurizio Cecconi	Consultant in Anaesthesia & Intensive Care St George's Hospital
Bronwen Connolly	Senior Clinical Research Physiotherapist Guy's and St Thomas' NHS Foundation Trust
Keith Couper	Critical Care Research Fellow Heart of England NHS Foundation Trust
Paul Dark	Reader/NHS Consultant University of Manchester/Salford Royal NHS Foundation Trust
Norman Druce	Patient Representative Greater Manchester Critical Care Network
Jane Eddleston	Clinical Head CSS Division Manchester Royal Infirmary
Lydia Emerson	MRC PhD Candidate Queen's University Belfast
Ruth Endacott	Professor of Clinical Nursing (Critical Care) Plymouth University
Tim Felton	Consultant in Intensive Care Medicine University Hospital of South Manchester
David Fineberg	Medical Director Asahi Kasei Pharma America Corporation
Richard Fitzgerald	Director, Clinical Research Unit Royal Liverpool University Hospital
Simon Fletcher	Consultant in Anaesthesia and Intensive Care Norfolk & Norwich University NHS Foundation Trust
Anthony Gordon	Clinical Senior Lecturer Imperial College London
David Harrison	Senior Statistician ICNARC
Dan Harvey	Consultant, Critical Care Nottingham University Hospitals
Christina Jones	Trustee ICUSteps
Shondipon Laha	Consultant Lancashire Teaching Hospitals NHS Foundation Trust
Naz Lone	Senior Clinical Lecturer University of Edinburgh

Niall MacCallum	Consultant in Intensive Care Medicine University College London
Danny McAuley	Professor of Intensive Care Medicine Queen's University Belfast
Louise McCallum	PhD Student University of Dundee
Catherine Mckenzie	Consultant Pharmacist Guy's and St Thomas' NHS Foundation Trust
Matt Morgan	Clinical Lecturer Cardiff University
Ben Morton	Advanced Critical Care and Honorary Research Fellow Aintree University Hospital NHS Foundation Trust
Peter Nightingale	Consultant in Anaesthesia and Intensive Care Medicine University Hospital of South Manchester
Valerie Page	Consultant, Anaesthesia and Critical Care Watford General Hospital
Natalie Pattison	Senior Clinical Nursing Research Fellow The Royal Marsden NHS Foundation Trust
Munir Pirmohamed	Professor of Molecular and Clinical Pharmacology University of Liverpool
Catherine Plowright	Consultant Nurse, Critical Care Medway NHS Foundation Trust
John Prowle	Consultant in Intensive Care and Renal Medicine Barts Health NHS Trust
Hannah Reay	Workforce Development Lead NIHR CRN West Midlands
Tony Rostron	Academic Clinical Lecturer Newcastle University
Murali Shyamsundar	Clinical Senior Lecturer Queen's University Belfast
Pouline Van Oort	Clinical Research Fellow University Hospital of South Manchester
Tjeerd Van Staa	Professor of Health eResearch Farr Institute for Health Informatics Research, University of Manchester
Rejina Mariam Verghis	PhD Student/Biostatistician Queen's University Belfast
Tim Walsh	Professor of Critical Care University of Edinburgh
Ingeborg Welters	Senior Clinical Lecturer University of Liverpool
Tony Whitehouse	Consultant Critical Care and Anaesthesia Queen Elizabeth Hospital Birmingham
Stephen Wright	Consultant in Anaesthesia and Intensive Care Freeman Hospital
Joyce Yeung	Consultant Intensivist Heart of England NHS Foundation Trust