

# UKCCRF

## UK Critical Care Research Forum

### Programme

Thursday 26 – Friday 27 June 2014

Cardiff Metropolitan University

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#### Thursday 26 June

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

#### Morning session

##### Opening plenary session

*Chair: Matt Wise*

10:00	Welcome	<i>Matt Wise</i>
10:05	NIHR Critical Care Specialty Group and the Comprehensive Clinical Research Network – past, present and future	<i>Sheila Harvey/Tim Walsh</i>
10:30	An update on research proposals from previous UKCCRF meetings	<i>Gavin Perkins</i>

##### Research proposals

*Chair: Jason Roberts*

10:50	Combating Bacterial Resistance in Europe - COMBACTE	<i>Bruno François</i>
11:10	Bacteremia Antibiotic Length Actually Needed for Clinical Effectiveness (BALANCE): A Pilot Randomized control trial	<i>Rob Fowler</i>
11:30	Randomised controlled trial of post-operative goal-directed haemodynamic therapy in patients following cardiac surgery and the incidence of acute kidney injury	<i>Rebekah Thomson</i>
11:50	Pharmacist Independent prescribing in Critical Care	<i>Richard S Bourne</i>

##### UKCCRF – The future

12:10	A discussion on the future of UKCCRF	<i>Tim Walsh/Natalie Pattison</i>
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12:30-13:30 Lunch

## Afternoon sessions

### Research proposals/updates

*Chair: Stephen Wright and Anthony Gordon*

13:30	Enhancing consent processes for medical research in intensive care units	<i>Ingeborg Welters</i>
13:50	Do patients having major abdominal surgery exhibit significant muscle wasting? – MAMAS	<i>Ben Creagh-Brown</i>
14:10	Prevention by HMGC <sub>o</sub> A reductase inhibition of ARDS associated with one lung ventilation following oesophagectomy by a Reduction of Pulmonary vascular dysfunction and inflammation - Prevention HARP-2	<i>Murali Shyamsundar</i>
14:30	Eurotherm3235 Trial update	<i>Claire Battison</i>
14:40	Response to Interpersonal Touch During Sedation Hold: a Pilot Study	<i>Sansha Harris</i>

### 15:00-15:30 Tea/coffee

### Research proposals/updates

*Chair: Catherine McKenzie and Paul Dark*

15:30	GM-CSF leucocyte augmentation and restoration study	<i>Andrew Conway Morris</i>
15:50	LeoPARDS Trial update	<i>Anthony Gordon</i>
16:00	Beta-Lactam INFusion Group Study Program (BLING)	<i>Jason Roberts</i>
16:10	Multiplex Point of Care detection of sepsis pathogens, using biochip array technology	<i>Ronan McMullan</i>
16:20	Rapid tests for antifungal stewardship in ICU	<i>Ronan McMullan</i>

### Research logistics in ICU

*Chair: Mervyn Singer and Andrew Walden*

16:35	Establishing a centre for sepsis research	<i>Michael Bauer</i>
17:05	How I recruit 24/7 in critical care – obstacles and solutions	<i>Nicki Palmer</i>
17:30	Global research collaborations (Severe Respiratory Infections: MERS-CoV, H7N9 & Ebola 2014) – lessons learnt	<i>Rob Fowler</i>
18:00	End of Day 1	

## 19:30 Delegates' Dinner – Park Plaza Hotel Cardiff

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## Friday 27 June

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08:00-09:00 Tea/coffee

### Morning session

#### Parallel sessions

##### Translational Medicine – ‘Getting to know you’

*Chairs:*  
*Mervyn Singer/Danny McAuley*

*Room: LT00.23*

08:30 – 12:00

*See attached Programme*

##### Health Services Research – ‘Getting to know you’

*Chairs:*  
*Bronagh Blackwood/Nicki Palmer/Natalie Pattison*

*Room: LT01.01*

09:00 – 12:00

*See attached Programme*

#### Research proposals

*Chair: Sheila Harvey and Rob Fowler*

12:00 A critical age: Frailty in the older critically ill population

*Richard Pugh*

12:20 Stress Ulcer Prophylaxis in the Intensive Care Unit  
- SUP-ICU Trial

*Mark Borthwick*

12:40 Ketamine-based analgosedation decreases SOFA scores and modulates immune function in critically ill patients with severe community-acquired pneumonia (CAP): A pilot study

*Ingeborg Welters*

13:00-14:00 Lunch

### Afternoon session

#### Research proposals

*Chair: Mark Borthwick and Gavin Perkins*

14:00 Feasibility study for a randomised trial of setting oxygen target saturation of 90-94% versus usual care for ventilated ICU patients. TROICU (Target Range for Oxygen in ICU)

*Ronan O'Driscoll*

14:20 PRotective vEntilation with veno-venouS lung assist in respiratory failure - The REST Study

*James McNamee*

14:40 A randomised controlled trial of the effectiveness and cost-effectiveness, and a contemporaneous study of the ecological impact of Selective Decontamination of the Digestive tract in critically ill patients treated in Intensive Care Units – SuDDICU

*Anthony Gordon*

15:00-15:30 Tea/coffee

#### Closing plenary session

*Chair: Kerry Hood and Danny McAuley*

15:30 Cluster RCTs Methodology

*Marion Campbell*

16:00 Cluster RCTs – a researchers view

*Tom MacDonald*

16:30 Cluster RCTs – a view from the Health Research Authority

*Jonathan Montgomery*

17:00 End of Forum

# UK Critical Care Research Forum

## Translational Medicine – Getting to know you

Friday 27 June, 08.30 - 12.00

Personal Talks			
Time	Presenter	Centre	Topic
8.30	Nishkantha Arulkumaran	University College London	Acute kidney injury in sepsis
8.35	Tracey Mare	Guy's and St Thomas	Biomarkers for infection and sepsis
8.40	Andrew Conway Morris	University of Cambridge	Treg:neutrophil interactions in critical illness
8.45	Ahilanandan Dushianthan	University Hospital Southampton	Phospholipid kinetics in ARDS
8.50	Marianne Fitzgerald	Queen's University Belfast	Oncostatin M inhibition therapy in ARDS
8.55	James Fullerton	University College London	Effect of inflammation on innate immune function
9.00	Waqas Khaliq	University College London	The impact of stress on critical illness
9.05	Hussein Khambalia	University of Manchester	Early cytokine responses following perioperative EGDT
9.10	Matthew Morgan	Cardiff University	Immune fingerprinting in sepsis
9.15	Michael O'Dwyer	St Bartholomew's Hospital	Genomics and epigenetics in critical care
9.20	Alastair Proudfoot	Imperial College London	Impact of TNFR1-targeting domain antibody on pulmonary inflammation
9.25	Anthony Rostron	Newcastle University	Impact of GM-CSF on neutrophil function in critical illness
9.30	Kate Tatham	Imperial College London	Role of monocytes in Ischaemia-Reperfusion induced lung Injury
9.35	David Antcliffe	Imperial College London	Metabolic signatures of pneumonia
9.40	Coffee break		

Continued overleaf

## Centre Talks

Time	Presenter	Centre
10.00	Kathy Triantafilou	Cardiff University
10.10	Ken Baillie	University of Edinburgh
10.20	Manu Shankar-Hari	Guy's and St Thomas
10.30	Michael Wilson	Imperial College London
10.40	Yasir Alhamdi	University of Liverpool
10.50	John Simpson	Newcastle University
11.00	Paul Dark	Salford Royal NHS Foundation Trust
11.10	Katie Lane	St George's Hospital
11.20	Danny McAuley	Queen's University Belfast
11.30	Mervyn Singer	University College London
11.40	End	

# UK Critical Care Research Forum

## Health Services Research – Getting to know you

Friday 27 June, 09.00 - 12.00

**Co-Chairs:** Natalie Pattison, Nicki Palmer and Bronagh Blackwood

**Aims:** To illustrate some of the current research involving ICU patients being undertaken by the nursing and allied health professions across the UK.

**Introduction:** What is 'intra-disciplinary', 'inter-disciplinary' and 'multi-disciplinary' research? (5-minutes)

**Presentations:** 160-minutes (20-min each to include study specific questions)

Dietetics: Danielle Bear, 'The effect of intermittent versus continuous enteral nutrition on muscle wasting in critical illness'

Nursing: Gemma Woodman, 'Patient and patient representative views on deferred consent in emergency research'

Natalie Pattison, 'End-of-life decision-making in critical illness'

OT: Karen Hoffman, "Survival is not enough..."

Pharmacy: Greg Barton, 'PROTECTED Study – contribution of ICU Pharmacists'

Catherine McKenzie, 'Long-term adherence to a 5 day antibiotic course guideline for treatment of intensive care unit (ICU)-associated Gram-negative infections'

Physiotherapy: Bronwen Connolly, 'Clinical assessment and treatment of Intensive Care Unit-acquired weakness'

SALT: Sue McGowan, 'Cuff deflation/swallow assessment practice and use of speaking valves for patient communication'

**Discussion:** 25-minutes

Patients require care and management from a variety of professions during their ICU trajectory:

1. Should we be engaging more in interdisciplinary research in ICU? What are the benefits?
2. How can we promote interdisciplinary research in critical care?
3. How feasible would it be to consider projects that bring together aspects involving different disciplines?
4. How can we engage researchers from other disciplines who are interested in getting involved in studies?

## Speakers

Yasir Alhamdi	Postdoctoral Research Fellow University of Liverpool, Institute of Infection and Global Health
David Antcliffe	Clinical Research Fellow Imperial College London
Nishkantha Arulkumaran	Research Fellow University College London
Ken Baillie	Clinical Lecturer Roslin Institute, University of Edinburgh
Greg Barton	Specialist Pharmacist St Helens and Knowsley Teaching Hospitals NHS Trust
Claire Battison	Trial Manager University of Edinburgh
Michael Bauer	Chief Executive Director Centre for Sepsis Control and Care Integrated Research and Treatment Centre
Danielle Bear	Principal Critical Care Dietitian Guy's and St Thomas' NHS Foundation Trust
Bronagh Blackwood	Senior Lecturer Queen's University Belfast
Mark Borthwick	Consultant Pharmacist, Critical Care John Radcliffe Hospital
Richard Bourne	Consultant Pharmacist Sheffield Teaching Hospitals
Marion Campbell	Director, Health Services Research Unit University of Aberdeen
Bronwen Connolly	Clinical Research Fellow Kings College London
Andrew Conway Morris	Clinical Lecturer University of Cambridge
Ben Creagh-Brown	Consultant Royal Surrey County Hospital NHS Foundation Trust
Paul Dark	Reader and NHS Consultant Salford Royal NHS Foundation Trust
Ahilanandan Dushianthan	Specialist Registrar, Critical Care/Respiratory Medicine University Hospital Southampton NHS Foundation Trust
Marianne Fitzgerald	Research Fellow Centre for Infection and Immunity, Queen's University Belfast
Rob Fowler	Associate Professor, Critical Care Medicine University of Toronto/World Health Organisation
Bruno François	Specialist in Intensive Care Medicine and Anaesthesiology Limoges Hospital

James Fullerton	Wellcome Trust Research Training Fellow University College London
Anthony Gordon	Clinical Senior Lecturer Imperial College London
Sansha Harris	Staff Nurse Sheffield Teaching Hospitals NHS Foundation Trust
Sheila Harvey	CTU Manager/Senior Research Fellow ICNARC
Karen Hoffman	Research Occupational Therapist Queen Mary University of London
Waqas Khaliq	PhD Student Intensive Care Medicine University College London
Hussein Khambalia	Specialist Registrar, Transplant Surgery University of Manchester
Katie Lane	Clinical Lecturer St George's Hospital
Tom MacDonald	Professor of Clinical Pharmacology and Pharmacoepidemiology University of Dundee
Tracey Mare	Research Scientist St Thomas' Hospital
Danny McAuley	Professor of Intensive Care Medicine Queen's University Belfast
Sue McGowan	Clinical Specialist, Speech and Language Therapist National Hospital for Neurology and Neurosurgery
Catherine McKenzie	Consultant Pharmacist Guy's and St Thomas' NHS Foundation Trust
Ronan McMullan	Consultant Queen's University Belfast
James McNamee	Consultant in Intensive Care Royal Victoria Hospital, Belfast
Jonathan Montgomery	Chair Health Research Authority
Matthew Morgan	Cinical Lecturer Cardiff University
Ronan O'Driscoll	Consultant Respiratory Physician Salford Royal NHS Foundation Trust
Michael O'Dwyer	Senior Lecturer St Bartholomew's Hospital
Nicki Palmer	Research Nurse Cardiff and Vale University Health Board
Natalie Pattison	Senior Clinical Nursing Research Fellow The Royal Marsden NHS Foundation Trust
Gavin Perkins	Professor of Emergency Care Medicine Warwick Medical School

Alastair Proudfoot	Honorary Research Fellow Imperial College London
Richard Pugh	Consultant, Anaesthetics/Intensive Care Medicine Glan Clwyd Hospital
Jason Roberts	Professor of Medicine and Pharmacy The University of Queensland
Anthony Rostron	Associate Clinical Lecturer Newcastle University
Manu Shankar-Hari	Consultant in Intensive Care Medicine Guy's and St Thomas' Hospitals NHS Foundation Trust
Murali Shyamsundar	Specialist Registrar Respiratory/Intensive Care Medicine John Radcliffe Hospital
John Simpson	Consultant of Respiratory Medicine Newcastle University
Mervyn Singer	Professor of Intensive Care Medicine University College London
Kate Tatham	Clinical Research Fellow Imperial College London
Rebekah Thomson	Senior Staff Nurse St George's Hospital
Kathy Triantafilou	Chair in Paediatric Immunology and Infection Cardiff University, School of Medicine
Tim Walsh	Professor of Critical Care University of Edinburgh
Ingeborg Welters	Senior Clinical Lecturer University of Liverpool
Michael Wilson	Senior Lecturer Imperial College London
Matt Wise	Consultant, Critical Care University Hospital of Wales
Gemma Woodman	Staff Nurse Cardiff and Vale University Health Board

## Hosted by

- Cardiff Metropolitan University

## Supported by

- Cardiff & Vale University Health Board Research & Development
- Faculty of Intensive Care Medicine (FICM)
- Intensive Care Foundation (ICF)
- Intensive Care National Audit & Research Centre (ICNARC)
- National Institute for Social Care and Health Research Clinical Research Centre (NISCHR CRC)
- South Wales Critical Care Network (SWCCN)
- United Kingdom Clinical Pharmacy Association (UKCPA)
- Welsh Intensive Care Society (WICS)