### Keynote Address

**09.00 – 09.30**

Non-antibiotic solutions for pan-resistant microbial pathogens  
*Prof Steven Opal*

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### Main Auditorium

#### SEPSIS 1

**Chairpersons:** Prof Paul Dark & Prof Fang Gao Smith

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.35 – 09.50</td>
<td>New sepsis guidelines, facts and controversies</td>
<td>Prof Richard Beale</td>
</tr>
<tr>
<td>09.50 – 10.05</td>
<td>Practical implication on a national scale</td>
<td>Dr Ron Daniels</td>
</tr>
<tr>
<td>10.05 – 10.20</td>
<td>Host pathogen interactions</td>
<td>Prof Peter Pickkers</td>
</tr>
<tr>
<td>10.20 – 10.35</td>
<td>Sepsis biomarkers - where do we stand?</td>
<td>Prof Jean-Daniel Chiche</td>
</tr>
<tr>
<td>10.35 – 10.50</td>
<td>Questions</td>
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<tr>
<td>10.50 – 11.10</td>
<td>Coffee Break</td>
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#### Topics 1

**Chairpersons:** Prof Jean-Daniel Chiche & Prof Danny McAuley

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11.10 – 11.25</td>
<td>Lessons learnt from emergency healthcare responses to the Manchester Arena bombing</td>
<td>Prof Paul Dark</td>
</tr>
<tr>
<td>11.25 – 11.40</td>
<td>Risk stratification and management of the high risk surgical patient</td>
<td>Dr Murillo Santucci Cesar de Assunção</td>
</tr>
<tr>
<td>11.40 – 11.55</td>
<td>The carmal total artificial heart: where are we up to?</td>
<td>Prof Bernard Cholley</td>
</tr>
<tr>
<td>11.55 – 12.10</td>
<td>Hospital readmissions in ICU survivors</td>
<td>Dr Nazir Lone</td>
</tr>
<tr>
<td>12.10 – 12.30</td>
<td>Questions</td>
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</table>

### Seminar Room 1 - Fluids

**Chairpersons:** Dr Roop Kishen & Prof Michel Slama

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09.35 – 09.50</td>
<td>What is the ideal fluid in Critical Care?</td>
<td>Dr Roop Kishen</td>
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<tr>
<td>09.50 – 10.05</td>
<td>Fluid resuscitation - when to stop fluid administration</td>
<td>Prof Jan De Waele</td>
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<tr>
<td>10.05 – 10.20</td>
<td>Albumin in sepsis</td>
<td>Prof Yasser Sakr</td>
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<tr>
<td>10.20 – 10.35</td>
<td>Questions</td>
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<tr>
<td>10.35 – 11.00</td>
<td>Coffee Break</td>
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</table>

### Seminar Room 3 - Sepsis - Manifestations, Diagnosis & Monitoring

**Chairpersons:** Prof Richard Beale & Dr Ron Daniels

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11.00 – 11.15</td>
<td>Fever - friend or foe?</td>
<td>Prof Steven Opal</td>
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<tr>
<td>11.15 – 11.30</td>
<td>Maternal sepsis</td>
<td>Prof Fang Gao Smith</td>
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<tr>
<td>11.30 – 11.45</td>
<td>Septic shock and ARDS</td>
<td>Prof Richard Beale</td>
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<tr>
<td>11.45 – 12.15</td>
<td>Holistic Critical Care ultrasound - can rapidly document a source of sepsis</td>
<td>Prof Daniel Lichtenstein</td>
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### Tutorials / Workshops

**SEMINAR ROOM 3**

Acid-base - Stewart's approach  
*Dr Roop Kishen*

**SEMINAR ROOM 4**

How not to run an incident investigation in your unit  
*Dr Paul Barach*
### PRO-CON DEBATE

**Chairperson:** Dr Andrew Bentley  
An ICU follow-up clinic is too late for survivors  

<table>
<thead>
<tr>
<th>Time</th>
<th>PRO</th>
<th>CON</th>
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<tbody>
<tr>
<td>12.30 – 12.45</td>
<td>Prof Tim Walsh</td>
<td>Dr Peter Spronk</td>
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<tr>
<td>12.45 – 13.00</td>
<td>Questions</td>
<td>Lunch</td>
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### ARDS

**Chairpersons:** Prof Tim Walsh & Dr Murillo Santucci Cesar de Assunção  

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 14.00 – 14.15 | Fluid management in ARDS  
Prof Jean-Louis Teboul |
| 14.15 – 14.30 | Human models to define new treatments for ARDS  
Prof Danny McAuley |
| 14.30 – 14.45 | Use of stem cells in ARDS  
Prof Geoff Bellingan |
| 14.45 – 15.00 | Future therapies in ARDS  
Prof Danny McAuley |
| 15.00 – 15.20 | Questions |
| 15.20 – 15.50 | Coffee Break |

### SEPSIS - MANIFESTATIONS, DIAGNOSIS & MONITORING (continued)

**Chairpersons:** Prof Richard Beale & Dr Ron Daniels  

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 12.15 – 12.30 | How should you choose haemodynamic monitoring in septic shock patients?  
Prof Jean-Louis Teboul |
| 12.30 – 12.50 | Questions |
| 12.50 – 13.50 | Lunch |

### SEPSIS - MANAGEMENT 1

**Chairpersons:** Dr Adrian Wong & Dr Marlies Ostermann  

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 13.50 – 14.05 | Source control in septic shock  
Prof Jan De Waele |
| 14.05 – 14.20 | Septic shock: is the endotoxin removal an option?  
Prof Massimo Antonelli |
| 14.20 – 14.35 | Volume optimisation in sepsis: understanding the evidence  
Prof Yasser Sakr |
| 14.35 – 14.50 | Practical use of vasopressors in septic shock  
Prof Jean-Louis Teboul |
| 14.50 – 15.05 | Questions |
| 15.05 – 15.30 | Coffee Break |

### SEPSIS - MANAGEMENT 2

See next page

### SEPSIS - MANAGEMENT 3

Safety in ICU (to be confirmed)  
Prof Jean-Daniel Chiche  
Dr Paul Barach  

### SEPSIS - MANAGEMENT 4

Tricks in ICU  
Dr Eric Hodgson  

### SEPSIS - MANAGEMENT 5

Practical bronchoscopy for ICU (Limited places)  
Dr Suveer Singh
## MAIN AUDITORIUM

### REHABILITATION

**Chairpersons:** Dr Nazir Lone & Dr Deepak Govil

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>15.50 – 16.05</td>
<td>What quality indicators should we use for ICU rehabilitation?</td>
<td>Prof Tim Walsh</td>
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<tr>
<td>16.05 – 16.20</td>
<td>Engaging the patient in rehabilitation - interactive gaming is the future</td>
<td>Dr Peter Spronk</td>
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<tr>
<td>16.20 – 16.35</td>
<td>Animal assisted activity in ICU</td>
<td>Dr Eric Hodgson</td>
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<tr>
<td>16.35 – 16.50</td>
<td>Evidence for physical rehabilitation across the recovery continuum and the &quot;evidence reality&quot; gap</td>
<td>Dr Bronwen Connolly</td>
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<tr>
<td>16.50 – 17.05</td>
<td>Rehabilitation post-ICU - the REVIVE trial</td>
<td>Prof Danny McAuley</td>
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<td>17.05 – 17.30</td>
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### SEPSIS - MANAGEMENT 2

**Chairpersons:** Prof Steven Opal & Dr Miguel Tavares

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<tr>
<td>15.30 – 15.45</td>
<td>Alkaline phosphatase for sepsis induced AKI</td>
<td>Prof Peter Pickkers</td>
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<td>15.45 – 16.00</td>
<td>EGDT in sepsis for 2018</td>
<td>Prof Jean-Daniel Chiche</td>
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<tr>
<td>16.00 – 16.15</td>
<td>Sepsis bundles in a resource limited country</td>
<td>Dr Murillo Santucci Cesar de Assunção</td>
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### EDUCATION

**Chairpersons:** Associate Prof Aarti Sarwal & Prof Peter Pickkers

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<tr>
<td>16.30 – 16.45</td>
<td>POCUS in Intensive Care</td>
<td>Dr Jonathan Wilkinson</td>
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<tr>
<td>16.45 – 17.00</td>
<td>Stimulation for education in ICU: new scopes and scenarios</td>
<td>Associate Prof Aarti Sarwal</td>
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<tr>
<td>17.00 – 17.15</td>
<td>Social media - from tweets to bedside</td>
<td>Dr Adrian Wong</td>
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## SEMINAR ROOM 1

### TUTORIALS / WORKSHOPS

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<td>16.00 – 17.00</td>
<td>Anaemia and blood transfusion issues - update</td>
<td>Prof Tim Walsh</td>
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<td>Practice of the RRT in ICU - the questions you are reluctant to ask</td>
<td>Prof Yasser Sakr</td>
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### SEMINAR ROOM 3

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<td>Practice of the RRT in ICU - the questions you are reluctant to ask</td>
<td>Prof Yasser Sakr</td>
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### SEMINAR ROOM 5

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<tbody>
<tr>
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<td>Practical bronchoscopy for ICU (Limited places)</td>
<td>Dr Suveer Singh</td>
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## SYMPOSIUM DINNER

### SYMPOSIUM DINNER

*Admission by pre-booked ticket only*

**Venue:**
- Directors Suite
- The Principal Manchester
- Oxford Street
- Manchester M60 7HA

### AFTER DINNER SPEECH

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>19.00 for 19.30</td>
<td>SYMPOSIUM DINNER</td>
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<tr>
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<td>Have we got sepsis wrong?</td>
<td>Dr Paul Barach</td>
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### MAIN AUDITORIUM

#### KEYNOTE ADDRESS
- **Chairperson:** Dr Roop Kishen
- **09.00 – 09.30**
  - 50 years of ARDS: what has been changed?
  - **Prof Massimo Antonelli**

#### NUTRITION
- **Chairpersons:** Dr Bronwen Connolly & Dr Ravi Kumar
- **09.35 – 09.50**
  - What, when and how?
  - Dr Marlies Ostermann
- **09.50 – 10.05**
  - A standard bag of TPN vs custom made ones - what is the point?
  - Dr Adrian Wong
- **10.05 – 10.20**
  - Future direction of nutritional research
  - Dr Zudin Puthucheary
- **10.20 – 10.35**
  - Questions
- **10.35 – 11.00**
  - Coffee Break

#### PRO-CON DEBATE
- **Chairperson:** Dr Paul Barach
- **Can expenses in ICU be brought under control?**
  - ECMO, blood purification, stem cell and LVADs etc. for ALL
- **09.35 – 10.15**
  - **PRO**
    - Prof Jean-Daniel Chiche
- **10.15 – 11.30**
  - **CON**
    - Prof Richard Beale
- **11.30 – 11.45**
  - Questions

#### ARDS 2
- **Chairpersons:** Prof Xavier Monnet & Prof Geoff Bellingan
- **09.35 – 09.50**
  - First line intervention in hypoxemic patients:
    - HFOT or NV
    - Prof Massimo Antonelli
- **09.50 – 10.05**
  - Ultrasound to assess the diaphragmatic function in ventilated and critically ill patients
    - Prof Bernard Cholley
- **10.05 – 10.20**
  - ECCO2R in acute respiratory failure
    - Prof Danny McAuley
- **10.20 – 10.35**
  - Latest update on interferon in ARDS
    - Prof Geoff Bellingan
- **10.35 – 10.50**
  - Questions
- **10.50 – 11.20**
  - Coffee Break

#### SEMINAR ROOM 1

#### TUTORIALS / WORKSHOPS
- **09.35 – 10.45**
  - **SEMINAR ROOM 3**
    - Telemedicine
    - Prof Richard Beale
- **SEMINAR ROOM 4**
  - Ultrasound of diaphragm during mechanical ventilation
  - Associate Prof Aarti Sarwal & Dr Jose L. Diaz-Gomez
- **SEMINAR ROOM 5**
  - Practical bronchoscopy for ICU (Limited places)
  - Dr Suveer Singh
  - **11.00 – 12.00**
  - **SEMINAR ROOM 3**
    - Haemodynamic monitoring
    - Prof Bernard Cholley & Dr Munillo Santucci Cesar de Assunção
- **SEMINAR ROOM 4**
  - Antibiotics - all you need to know in Intensive Care
  - Prof Paul Dark & Prof Jan De Waele
- **SEMINAR ROOM 5**
  - Practical bronchoscopy for ICU (Limited places)
  - Dr Suveer Singh
### MAIN AUDITORIUM

#### NEURO CRITICAL CARE

**Chairpersons:** Prof Yasser Sakr & Dr Ashley Miller  
11.45 – 12.00  
Peri-operative management of patients with acute ischemic stroke  
Dr Jose L. Diaz-Gomez, MD

12.00 – 12.15  
Early mobilisation in neuro critical care  
Associate Prof Aarti Sarwal

12.15 – 12.30  
Prevention of delirium in ICU patients  
Prof Peter Pickkers

12.30 – 12.45  
Questions

12.45 – 13.45  
Lunch

#### MANAGEMENT

**Chairpersons:** Dr Andrew Bentley & Dr Suveer Singh  
13.45 – 14.00  
NOAC reversal: a dream come true  
Dr Eric Hodgson

14.00 – 14.15  
Peri-operative management of patients with pulmonary hypertension  
Dr Jose L. Diaz-Gomez, MD

14.15 – 14.30  
Levosimendan in severe heart failure  
Dr Christian Sitzwohl

14.30 – 14.45  
Management of the obese in Critical Care  
Dr Andrew Bentley

14.45 – 15.00  
Questions

15.00 – 15.20  
Coffee Break

### SEMINAR ROOM 1

#### WEANING (continued)

**Chairpersons:** Prof Xavier Monnet & Dr Andrew Bentley  
11.50 – 12.05  
Avoiding failed extubation  
Dr Eric Hodgson

12.05 – 12.20  
Weaning from prolonged ventilation  
Dr Andrew Bentley

12.20 – 12.40  
Questions

12.40 – 13.40  
Lunch

#### RENAL

**Chairpersons:** Prof Michel Slama & Prof Daniel Lichtenstein  
13.40 – 13.55  
Fluid challenges for oliguria - useful or a knee-jerk reaction  
Dr Roop Kishen

13.55 – 14.10  
Biomarkers for acute kidney injury  
Dr Marlies Ostermann

14.10 – 14.25  
Early vs late initiation of CRRT  
Prof Peter Pickkers

14.25 – 14.40  
The dark side of CRRT  
Dr Marlies Ostermann

14.40 – 15.00  
Questions

15.00 – 15.20  
Coffee Break

### TUTORIALS / WORKSHOPS

12.15 – 13.15  
**SEMINAR ROOM 3**  
Cardiovascular physiology relevant to Intensive Care  
Prof Xavier Monnet  
Prof Bernard Cholley  
Dr Miguel Tavares

14.00 – 15.00  
**SEMINAR ROOM 3**  
Simulation in ICU  
Associate Prof Aarti Sarwal  
Dr Zudin Puthucheary

14.00 – 15.00  
**SEMINAR ROOM 4**  
Round Table: Quality, safety, burnout and research in ICU - ask the experts  
Chairperson: Dr Paul Barach  
Prof Fang Gao Smith  
Dr Nazir Lone  
Dr Ravi Kumar  
Dr Bronwen Connolly  
Dr Eric Hodgson  
Dr Adrian Wong
TOPICS 2

Chairpersons: Dr Roop Kishen & Prof Paul Dark

15.20 – 15.35  How to recognise failing right ventricle
               Prof Michel Slama

15.35 – 15.50  When to stop antibiotics in sepsis
               Prof Paul Dark

15.50 – 16.15  Mechanisms of spread of antibiotic resistance genes; are we in a losing struggle?
               Prof Steven Opal

16.15 – 16.30  Questions

CLOSING LECTURE

Chairpersons: Dr Roop Kishen & Prof Paul Dark

16.30 – 16.50  Future of Intensive Care - the challenges
               Prof Richard Beale

16.50 – 17.00  Closing remarks
               Dr Roop Kishen