

# Programme - 19 September

10.15-10.40 Registration and coffee **Ground Floor Reception / Basement**

| Session 1:  | Stephen Renshaw                                 | Lecture Theatre 4   |
|-------------|---|---|
| 10.40-10.45 | <b>Nigel Clarke</b><br>University of Sheffield  | Welcome   |
| 10.45-11.00 | <b>Simon Foster</b><br>University of Sheffield  | The Florey Institute for Host-Pathogen Interactions.                                      |
| 11.00-11.45 | <b>Paul Kubes</b><br>University of Calgary      | Imaging host response <i>in vivo</i> .  |
| 11.45-12.05 | <b>Claire Turner</b><br>University of Sheffield | Genome remodelling of <i>S. pyogenes</i> and the emergence of highly successful variants. |

12.05-13.30 Lunch and posters **Basement**

| Session 2:  | Sharon Peacock                                     | Lecture Theatre 4  |
|-------------|--|--|
| 13.30-13.40 | <b>Jamie Hobbs</b><br>University of Sheffield      | The Sheffield Antimicrobial Resistance Network (SHAMROK).  |
| 13.40-14.25 | <b>Tim Foster</b><br>Trinity College, Dublin       | Plasminogen capture and activation by <i>Staphylococcus aureus</i> .                                 |
| 14:25-14:45 | <b>Mike Brockhurst</b><br>University of Sheffield  | Adaptive modulation of antibiotic resistance via bacteria-plasmid coevolution.                       |
| 14:45-15:05 | <b>Phil Elks</b><br>University of Sheffield        | Hypoxia signalling in a zebrafish TB model; The drugs don't work...but I NO IL-1 see your fish again |
| 15.05-15.25 | <b>Rebecca Corrigan</b><br>University of Sheffield | Involvement of ppGpp in bacterial persistence and chronic infection.                                 |

15.25-16.00 Coffee break **Basement**

| Session 3:  | Stephane Mesnage                                  | Lecture Theatre 4   |
|-------------|---|---|
| 16.00-16.45 | <b>Ross Fitzgerald</b><br>University of Edinburgh | Molecular basis of <i>Staphylococcal</i> host-adaptation.           |
| 16.45-17.05 | <b>Emma Boldock</b><br>University of Sheffield    | Commensal flora augments <i>Staphylococcus aureus</i> pathogenesis. |
| 17:05-17:25 | <b>Robert Fagan</b><br>University of Sheffield    | Cracking a difficult crystal shell.                                 |

17.25-18.30 Drinks reception & posters **Basement**

19.00 Dinner **The Crucible (pre-booking required)**

# Programme - 20 September

08.45-09.00 Refreshments **Basement**

| Session 4:  | Jamie Hobbs  | Lecture Theatre 4  |
|-------------|--|--|
| 09.00-09.45 | <b>Annaliesa Anderson</b><br>Pfizer, NY                                | Vaccine development against AMR pathogens.                                   |
| 09.45-10.15 | <b>David Dockrell</b><br>University of Edinburgh                       | Engaging pauci-inflammatory microbicidal responses in macrophages.           |
| 10.15-10.35 | <b>Dave Partridge</b><br>Sheffield Teaching Hospitals Foundation Trust | Why are we here? A current clinical perspective on antimicrobial resistance. |

10.35-11.05 Coffee break **Basement**

| Session 5:  | Friedrich Götz   | Lecture Theatre 4   |
|-------------|--|---|
| 11.05-11.50 | <b>Jodi Lindsay</b><br>St George's, University of London | Evolution of a superbug: real-time transfer of AMR genes in the host. |
| 11.50-12.10 | <b>Daniel Humphreys</b><br>University of Sheffield       | Pathogen manipulation of the host cell actin cytoskeleton.            |
| 12.10-12.30 | <b>Paul Collini</b><br>University of Sheffield           | Host vs pathogen in the lung - insights from HIV.                     |

12.30-13.30 Lunch **Basement**

| Session 6:  | Simon Foster  | Lecture Theatre 4  |
|-------------|---|--|
| 13.30-14.15 | <b>Victor Nizet</b><br>University of California, San Diego School of Medicine | Collaborating with the Innate Immune System to Treat Multidrug-Resistant Superbugs.                          |
| 14:15-14:35 | <b>Simon Johnston</b><br>University of Sheffield                              | A different sort of gram positive: <i>Cryptococcus neoformans</i> , the sugar coated macrophage manipulator. |
| 14:35-14:55 | <b>Andrew Fenton</b><br>University of Sheffield                               | Identification of new cell wall biogenesis factors in <i>Streptococcus pneumoniae</i> using Tn-seq.          |
| 14.55-15.00 | <b>Simon Foster</b><br>University of Sheffield                                | Closing Remarks and Prize Giving.  |