



Edinburgh Infectious Diseases
Leading infectious disease research and training



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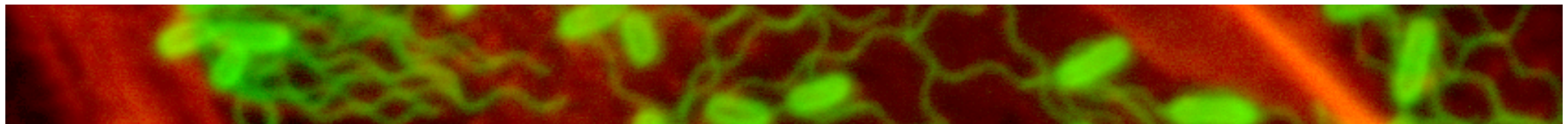
Leading infectious disease research and training



THE UNIVERSITY
of EDINBURGH



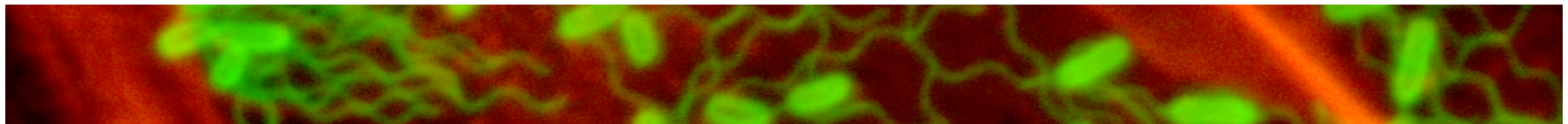
Edinburgh Napier
UNIVERSITY





What is **Edinburgh Infectious Diseases** ?

- The network of 860 researchers across Edinburgh who work on infectious disease
- Science, medicine, veterinary medicine, humanities and ethics





Jointly funded by the Colleges of Medicine & Veterinary Medicine, Science & Engineering, and Arts, Humanities & Social Science

Strategic Board (Heads of College, Institutes and Vice-Principals)



Edinburgh Infectious Diseases Office

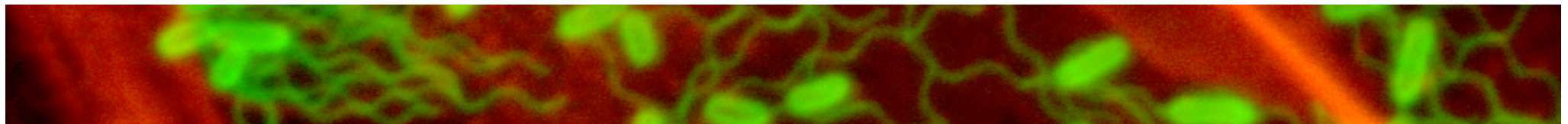
Professor Ross Fitzgerald – Director

Dr Hilary Snaith – Executive Manager

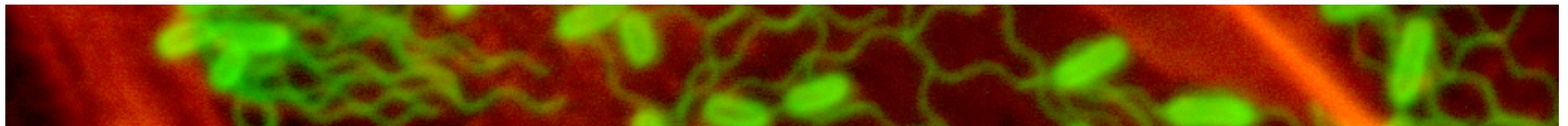
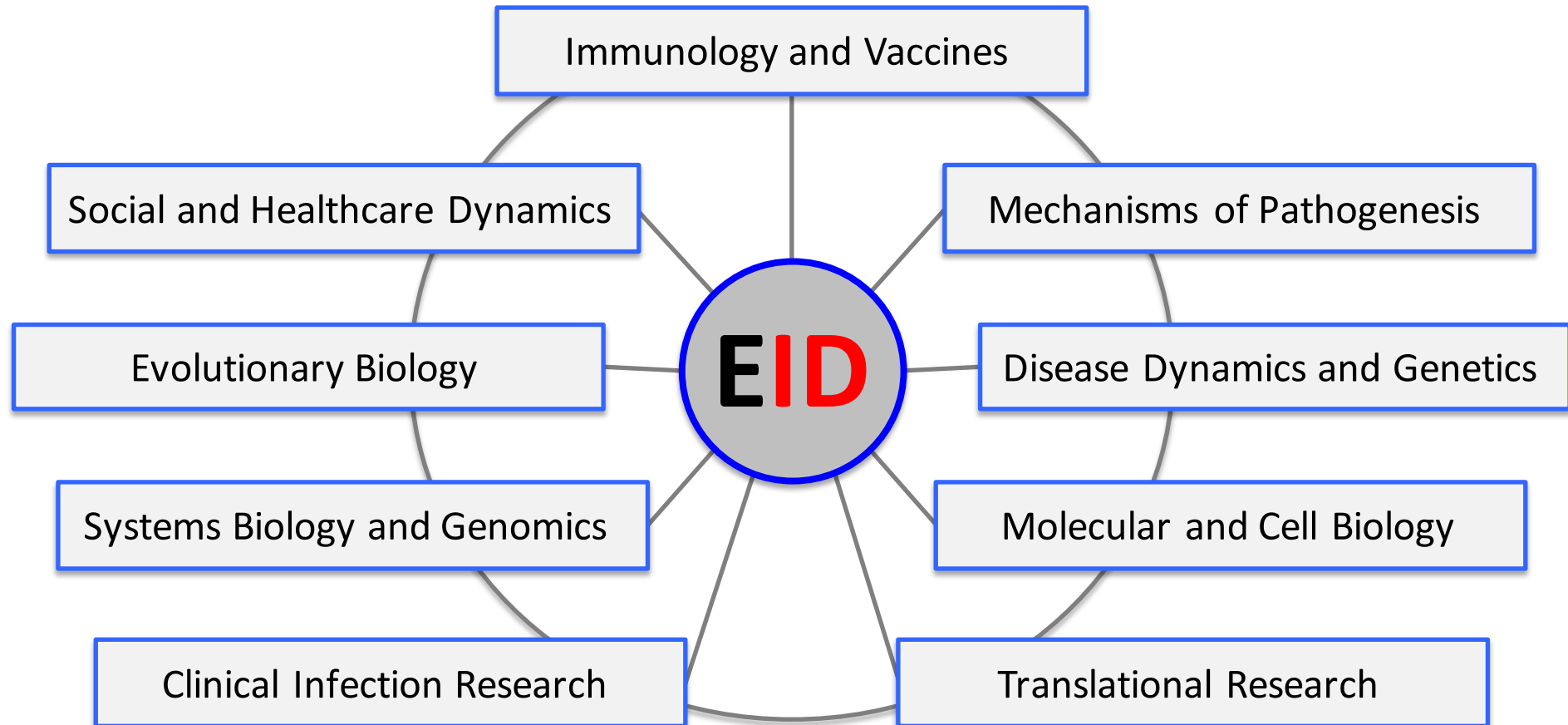


Executive Committee

12 member committee drawn from senior researchers based in the Colleges of Science & Engineering, Medicine & Veterinary Medicine, Arts, Humanities & Social Sciences, and the Moredun Research Institute



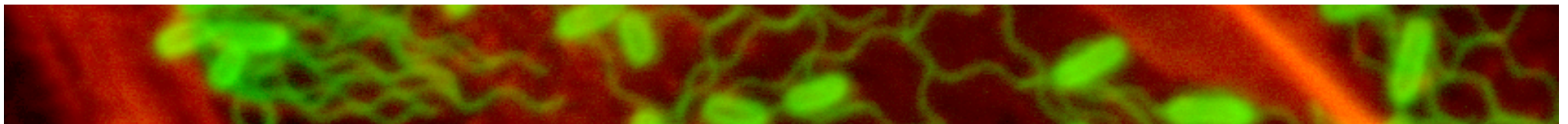
Full scope of Infectious Diseases research



Aims of **Edinburgh Infectious Diseases**

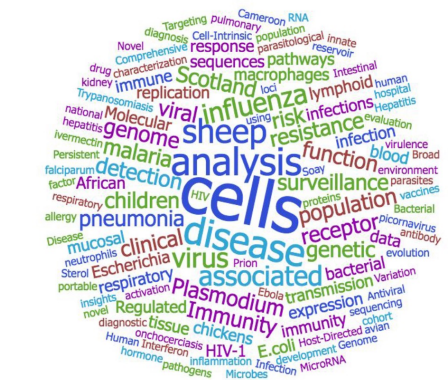
Building a world-leading consortium in infectious disease sciences across the University and associated Institutes, charged with :

- Strategic research planning – long-term time frame
- Performing high profile outreach (Global, Pharma)
- Leading strong interdisciplinary funding bids
- Developing international training programmes

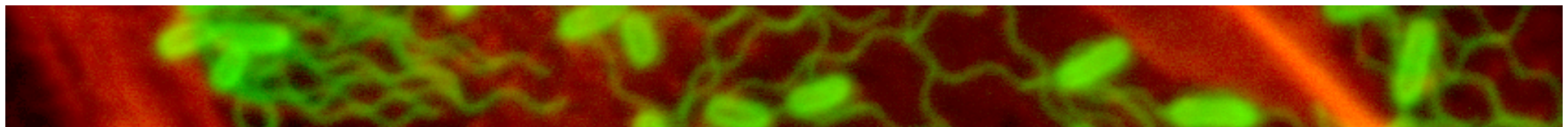


Key achievements

- £30M - £40M research income per annum from competitive funding streams
- Over 500 peer reviewed publications each year
- Developing robust research networks across the University of Edinburgh to engage external partners
- Leading strong interdisciplinary funding bids
 - e.g. H2020 RSV consortium
- Developing international training programmes
 - e.g. Wellcome Trust Hosts, Pathogens and Global Health 4 year PhD Programme



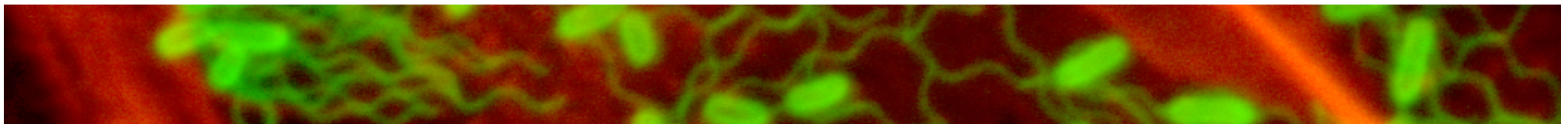
HP **GH** **Hosts, Pathogens & Global Health**
Four year PhD Programme



Several areas of particular strength (1)

Vaccinology

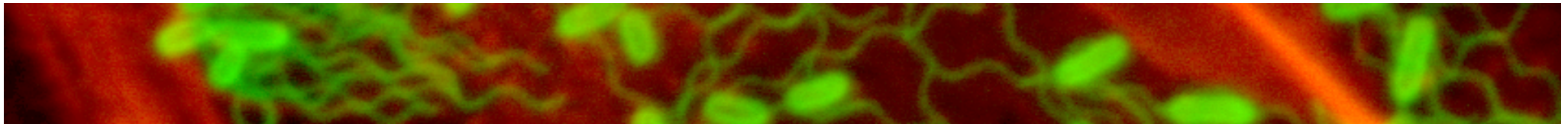
- Malaria vaccine candidates
 - Alex Rowe (SBS), David Cavanagh (SBS), Phil Spence (SBS)
- Informing antiviral vaccines
 - Harish Nair, Harry Campbell (Usher), Jürgen Schwarze (CIR) – RSV
 - Paul Digard, Kenny Baillie (RI) - Influenza
- Adjuvant development and antigen delivery
 - Sarah Howie (CIR), Keith Matthews (SBS)
- Veterinary vaccinology
 - David Gally (RI), Alex Corbishley (RI), Helen Sang (RI), Tanja Opriessnig (RI), Jacqui Matthews (MRI), Alasdair Nisbett (MRI), Gary Entrican (MRI)



Several areas of particular strength (2)

Antimicrobial Resistance

- Local and global epidemiology of AMR
 - Mark Woolhouse (Usher), Gavin Paterson (Roslin Institute)
- Underpinning mechanisms of resistance: biology, physics and evolution
 - Rosalind Allen (Physics and Astronomy), Bartek Waclaw (Physics and Astronomy), Thamarai Schneiders (DIPM), Meriem El Karoui (SBS), Teuta Pilizota (SBS)
- Diagnostics and drug efficacy validations
 - Till Bachmann (DIPM), Baojun Wang (SBS)
- Alternatives to antibiotics
 - David Dockrell (CIR), Donald Davidson (CIR)

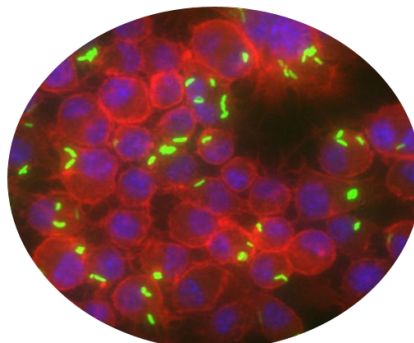
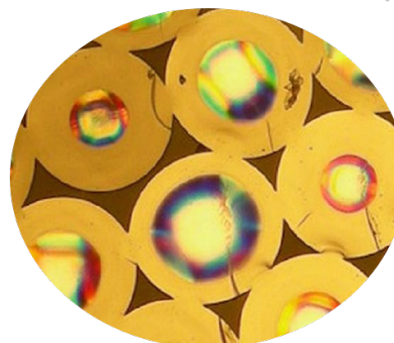


Thematic organisation of our AMR research

Global and local epidemiology of AMR



Rapid diagnostics



Biology, evolution and physics of AMR

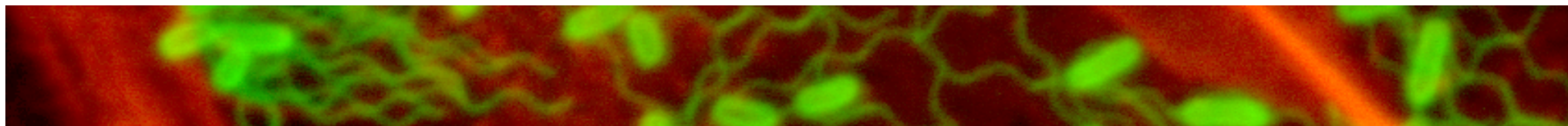


Alternatives to antimicrobials



Social Sciences

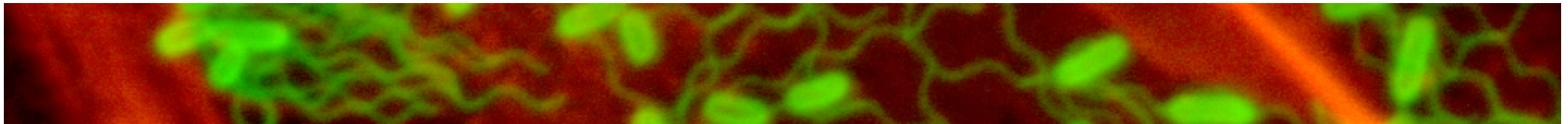
One Health



Several areas of particular strength (3)

Inflammation, allergy and infectious diseases

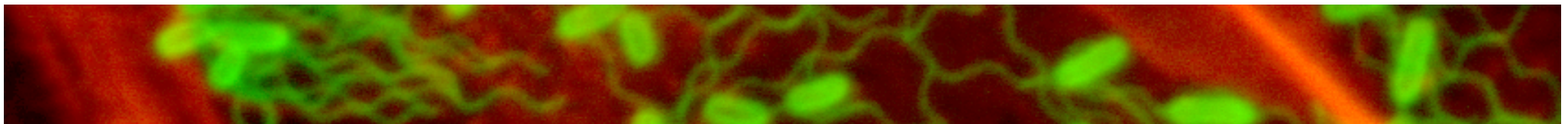
- Helminth interplay with the immune system
 - Joanne Thompson (SBS), Matt Taylor (SBS), Cécile Benézech (CVS), Jürgen Schwarze (CIR), Henry McSorley (CIR)
- Novel drugs targeting infectious and neglected tropical diseases
 - Manfred Auer (SBS), Malcolm Walkinshaw (SBS), Keith Matthews (SBS)
- Developing diagnostics against infectious and neglected tropical diseases
 - Francisca Mutapi (SBS), Till Bachmann (DIPM)



Several areas of particular strength (4)

Social and healthcare dynamics

- Delivery of healthcare in resource-poor settings
 - Alice Street (SSPS), Alex Nading (SSPS), James Smith (SSPS), Pete Kingsley (SSPS)
- Global health governance, including financing of global public health
 - Devi Sridhar (Global Public Health), Janelle Winters (Global Public Health)
- Implementing of drug administration programmes in developing countries
 - Ian Harper (SSPS)





Contact details

Edinburgh Infectious Diseases

Hilary Snaith (hilary.snaith@ed.ac.uk)
<http://www.eid.ed.ac.uk>

*Ashworth Laboratories
University of Edinburgh
Charlotte Auerbach Road
Edinburgh EH9 3FL*

