

Eighth Annual Symposium

Wednesday 5 June 2019, Royal College of Physicians, Edinburgh

Programme – part 1

09.00 – 09.30	Coffee and poster set up			
09.30 – 09.40	Ross Fitzgerald (Director Edinburgh Infectious Diseases)	Welcome and introduction		
	SESSION 1: Chair – Rosalind Alle	n		
09.40 - 10.00	Lisa Boden , Global Academy of Agriculture and Food Security	EPIC: risk and long-term future resilience to disease outbreaks		
10.00 – 10.20	Sarah Walmsley, Centre for Inflammation Research	Regulation of neutrophil apoptosis by hypoxia		
10.20 – 10.40	Steven Spoel, School of Biological Sciences	Ubiquitin-mediated gene expression in plant immunity		
10.40 - 11.00	David Longbottom , Moredun Research Institute	Towards the commercial development of a new vaccine against ovine enzootic abortion		
11.00 – 11.30	Tea and coffee / posters			
	SESSION 2: Chair – Alice Street			
11.30 – 11:50	Sarah Chan, Usher Institute	Bioethics of One Health		
11.50 – 12.10	Mark Blaxter, School of Biological Sciences	Evolution of the filarial nematode-Wolbachia symbiont system		
12.10 – 12.25	Eleanor Gaunt, The Roslin Institute	The role of CpG dinucleotides in regulating virus replication kinetics		
12.25 – 12.40	Edward Wallace , School of Biological Sciences	Dynamic mRNA processing in fungi adapting to stress and initiating infection		
	Russell Brown, School of Biological Sciences	Engineering bacteriophage to treat diarrheal disease		
	Abraham Lee, The Roslin Institute	The SIN3A/HDAC complex protects the human cytomegalovirus genome from DNA damage		
12.40 – 13.00	Ritti Soncco , School of Social and Political Science	The Lyme disease epidemic in Scotland		
	Bram van Bunnik, Usher Institute	Global surveillance of antimicrobial resistance		
	Petra Schneider, School of Biological Sciences	When to make an entrance		



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Wednesday 5 June 2019, Royal College of Physicians, Edinburgh

Programme – part 2

13:00 – 14.15	Lunch and posters		
	SESSION 3: Chair – David Dockrell		
14.15 – 14.30	Ross Houston, The Roslin Institute	Genomic approaches to understanding and improving disease resistance in aquaculture species	
14.30 – 14.45	Jenny Regan, School of Biological Sciences	Sex differences in the innate immune system	
14.45 – 15:05	Sander Granneman, School of Biological Sciences Unravelling post-transcriptional regulatory networks controlling host adaptation in S. aure		
15:05 – 15.25	Claire Mackintosh, Regional Infectious Diseases Unit, WGH Antibiotic use in secondary care		
15.25 – 15.40	KER MEMORIAL PRIZE WINNER William Palmer, University of Pennsylvania Evolution and genetics of antiviral immunity in Drosophila		
15.40 – 16.10	Tea and coffee / posters		
16.10 – 16.15	Presentation of poster prize		
16.15 – 17.15	KER MEMORIAL LECTURER Sharon Peacock, Public Health England	Genomic evidence for transmission of human	
17.15 – 18.30	Drinks reception – ALL WELCOME		

Many thanks to our sponsors.











Poster presentations

	na Alves (1; joana.alves@roslin.ed.ac.uk), Bryan Wee (1), Diane Lindsay (2), Andrew Smith (2), J. Ross	
1 Fitzg	gerald (1)	Р
(1) T	The Roslin Institute, University of Edinburgh, (2) Scottish Haemophilus, Legionella, Meningococcus and	
Pneı	umococcus Reference Laboratory, NHS Greater Glasgow & Clyde, Glasgow Royal Infirmary	
	IUPHAR/MMV Guide to MALARIA PHARMACOLOGY: a new expertly curated resource capturing	
	malarial compounds and their Plasmodium targets	
	Armstrong (1; jane.armstrong@ed.ac.uk), S. D. Harding (1), E. Faccenda (1), A. J. Pawson (1), C. Southan	
)	J. L. Sharman-Soares (1), B. Campo (2), F. J. Gamo (2,3), S. A. Ward (4), S.P.H. Alexander (5), A.P.	Р
Dave	renport (6), M. Spedding (7), J. A. Davies (1).	
	Centre for Discovery Brain Sciences, Deanery of Biomedical Sciences, University of Edinburgh, UK; (2)	
	dicines for Malaria Venture, ICC, 20 Route de Pré-Bois, PO Box 1826, 1215, Geneva, Switzerland; (3) Tres	
	tos Medicines Development Campus-Diseases	
	racterising the early interaction of Mycobacterium avium ssp paratuberculosis and the host using a bovine	
3	eroid system	S
	emary Blake (s1404179@ed.ac.uk)	
	versity of Edinburgh, The Roslin Institute	
	racterization of the entry process of Lawsonia intracellularis using in vitro infection of Porcine Kidney cells	
4 (PK1		S
	Campillo Poveda, (marta.campillo@ed.ac.uk) T Ail-Tait, T Opriessnig, D Gally.	
	Roslin Institute	
	dulation of lung tissue repair by the helminth-derived HpARI protein in type 2 lung inflammation	
5	oline Chauché (caroline.chauche@ed.ac.uk), Francesco Vacca, Abbie Payne, Josh Richards and Henry Sorley	Р
	tre for Inflammation Research, QMRI, University of Edinburgh	
	er membrane vesicles: A mechanism for antibiotic resistance and host evasion?	
	er Coombs Obrien (1; s1798017@ed.ac.uk), Thamarai Schneiders (1), Amy Buck (2)	S
	Division of Infection and Pathway Medicine, (2) Institute of Immunology and Infection Research	١
	ochondrial double-stranded RNA triggers antiviral signalling in humans	
	r A (ashish.dhir@igmm.ed.ac.uk), Dhir S, Borowski LS, Jimenez L, Teitell M, Rötig A, Crow YJ, Rice GI, fy D, Tamby C, Nojima T, Munnich A, Schiff M, de Almeida CR, Rehwinkel J, Dziembowski A, Szczesny RJ,	Р
	udfoot NJ.	Г
	1M, University of Edinburgh, Institut Imagine Paris, University of Warsaw, University of Oxford	
	estigating how the Knops blood group mutations affect Cerebral malaria risk through Complement	
	eptor 1 binding	
	neyye Erdemci (1), Olivia Swann (1), J. Alexandra Rowe (1) and Christoph Schmidt (2)	S
	itute of Immunology and Infection Research, University of Edinburgh, (2) Ulm University Applied	
	nunology, Germany	
	ge chromosomal rearrangements (LCRs) mediate genomic evolution of Enterohaemorrhagic Escherichia	
coli ((EHEC) PT21/28 isolates	
9	ohen Fitzgerald (1; stephen.fitzgerald@roslin.ed.ac.uk), Nadejda Lupolova (1), Sharif Shaaban (1), Sean P.	Р
	Ateer (1), James Bono (3), Tom McNeilly (2), David L. Gally (1)	



	(1) The Roslin Institute, University of Edinburgh, Scotland, UK (2) Moredun Research Institute, Scotland, UK; (3) USDA, Clay Center, Nebraska 68933-0166	
	"The Mould that Changed the World": performance of an antimicrobial resistance musical	
10	Jennifer Hall (jnh227@gmail.com), Leah Jones, Gail Robertson, Robin Hiley, Meghan Perry	F
	University of Edinburgh; British Society of Antimicrobial Chemotherapy	
	RNAi-mediated silencing of pyruvate dehydrogenase in Trypanosoma congolense	
11	Iremonger, J. (1; s0233327@sms.ed.ac.uk), Steketee, P. (1), Wickstead, B. (2), Schnaufer, A. (3), Morrison, L. (1)	9
	(1) The Roslin Institute, University of Edinburgh, (3) Institute of Immunology and Infection Research, University of Edinburgh	
	Investigating the differential virulence of Salmonella enterica serovars in livestock animals using quantitative	
12	proteomics	
	Imogen Johnston-Menzies (imogen.johnston-menzies@roslin.ed.ac.uk), Prerna Vohra, Jo Stevens	
	Division of Infection and Immunity, The Roslin Institute, University of Edinburgh, Edinburgh, United Kingdom	
	Impact of treatment thresholds and cooperation on the evolution of treatment resistance in sea lice	
13	D. Lipschutz-Powell, J. Enright	1
	University of Edinburgh	
	Frequency and risk factors for persisting pain, functional impairment and mortality following native vertebral osteomyelitis: a retrospective review of 90 cases	
14	Hugh McCaughan (1,2; hugh.mccaughan@ed.ac.uk), Barrie Lyell (2), Sarah Clifford (1), Rebecca Sutherland	
	(1,2)	
	(1) Regional Infectious Diseases Unit, NHS Lothian, Edinburgh (2) University of Edinburgh	
	Identification of non-coding RNA interactions that dictate virulence in Staphylococcus aureus	
15	Stuart McKellar (s1025221@staffmail.ed.ac.uk), Sander Granneman	9
	University of Edinburgh	
	Dissecting and disrupting interactions between host cell receptors and the Porcine Reproductive and	
16	Respiratory Syndrome Virus (PRRSV)	
16	Elle L. McLuskey (elle.mcluskey@roslin.ed.ac.uk), Paul Digard, Alan L. Archibald & Christine Tait-Burkard	3
	The Roslin Institute	
	The Outer Membrane Stability in K. pneumoniae is Controlled by the Transcriptional Regulator RamA	
17	Charles F Metcalf (s1560114@sms.ed.ac.uk) and Thamarai Schneiders	9
	Division of Infection and Pathway Medicine, The University of Edinburgh	
	Genome-wide RNAi screening for factors involved in mtDNA maintenance in Trypanosoma brucei	
18	Migla Miskinyte (mmiskiny@staffmail.ed.ac.uk), Alasdair Ivens, Martin Waterfall and Achim Schnaufer	ı
	Institute of Immunology and Infection Research, University of Edinburgh	
	Trypanosomes struggling to make ends meet – RNA editing ligase as a drug target	
	Zandile Nare (1), Marios Sardis (1), Rachel Heylen (1), Stephan Zimmermann (1), Michael Speake (2), Stuart	
19	McElroy (2), Joanna Koszela (3), Manfred Auer (3) & Achim Schnaufer (1)	9
	(1) Institute of Immunology and Infection Research, University of Edinburgh, (2) European Screening Centre	
	Newhouse (3) Institute of Quantitative Biology, Biotechnology and Biochemistry, University of Edinburgh	
	Elucidating the function of an Argonaute protein secreted by a parasitic nematode in the mammalian gut	
20	Neophytou K (1; Kyriaki.Neophytou@ed.ac.uk), Chow FWN (2) and Buck AH (1)	9
20	Institute for Immunology and Infection Research, The University of Edinburgh; (2) Department of	1
	Microbiology, LKS Faculty of Medicine, The University of Hong Kong, Pokfulam, Hong Kong	
21	Haptoglobin and α-lactalbumin biomarkers for selective dry cow therapy	F



1	Emily L. O'Reilly, Lorenzo Viora, Nicola Brady, Theo Pepler, Ruth N. Zadoks & P. David Eckersall	
	University of Glasgow	
	Profiling Epigenetic Landscapes Across Immune Cell Types of European and African Cattle Breeds	
22	Jessica Powell (jessica.powell@roslin.ed.ac.uk), Hanneke Hemmink, Edith Paxton, Tim Connelley, James Prendergast and Liam Morrison	S
	The Roslin Institute, The International Livestock Research Institute	
	A Geography of Tolerance: The Unmaking of the Lyme Disease Epidemic in the Scottish Highlands	
23	Ritti Soncco (ritti.soncco@ed.ac.uk)	Р
	University of Edinburgh, The Carnegie Trust for the Universities of Scotland	
	Chloride ion-mediated intrinsic host defence mechanisms against viruses	
24	Lizzie Southam (e.a.southam@sms.ed.ac.uk), Nisha Kriplani, Juergen Haas, Sandeep Ramalingam	S
	Division of Infection and Pathway Medicine	
	Comparative metabolic analysis of the African livestock trypanosomes	
	Pieter C. Steketee (1; pieter.steketee@ed.ac.uk), Emily Dickie (2), Siddharth Jayaraman (1), Kathryn Crouch	
25	(2), James Iremonger (1), Federica Giordani (2), Edith Paxton (1), Fiona Achcar (2), Anne-Marie Donachie (2),	P
	Mike Witty (3), Rose Peter (3), Harry de Koning (2), Michael P. Barrett (2) & Liam J. Morrison (1)	
	(1) Roslin Institute, University of Edinburgh, (2) Wellcome Centre for Integrative Parasitology, University of	
	Glasgow, (3) GALVmed, Edinburgh	L
	Identification and characterisation of antigen presenting cells in the chicken spleen	
26	Kate Sutton (kate.sutton@roslin.ed.ac.uk), Dominika Borowska, Katrina Morris, helen Sang, Adam Balic, Lonneke Vervelde	Р
	The Roslin Institute and Royal (Dick) School of Veterinary Studies, University of Edinburgh, Edinburgh, United Kingdom.	
	Global surveillance of antimicrobial resistance	
	Rene Hendriksen (1), Patrick Munk (1), Patrick Njage (1), <u>Bram van Bunnik</u> (2; bram.vanbunnik@ed.ac.uk), Luke McNally (2), Oksana Lukjancenko (1), Timo Röder (1), David Nieuwenhuijse (3), Susanne Karlsmose Pedersen (1), Jette Kjeldgaard (1), Rolf S. Kaas (1), Philip Thomas Lanken Conradsen Clausen (1), Josef Korbinian Vogt (1), Pimlapas Leekitcharoenphon (1), Milou G. M. van de Schans (4), Tina Zuidema (4), Ana Maria de Roda Husman (5), Simon Rasmussen (6), Bent Petersen (6), Global sewage consortium, Guy Cochrane (7), Thomas Sicheritz-Ponten (8), Heike Schmitt (5), Jorge Raul Matheu Alvarez (9), Awa Aidara-Kane (9), Sünje J. Pamp (1), Ole Lund (6), Tine Hald (1), Mark Woolhouse (2), Marion Koopmans (3), Håkan	
27	Vigre (1), Thomas Nordahl Petersen (1), Frank M. Aarestrup (1)	Р
27		P
27	Vigre (1), Thomas Nordahl Petersen (1), Frank M. Aarestrup (1) (1) National Food Institute, Technical University of Denmark, Denmark, (2) Usher Institute, University of Edinburgh, United Kingdom, (3) Viroscience, Erasmus Medical Center, The Netherlands, (4) RIKILT Wageningen University and Research, The Netherlands, (5) National Institute for Public Health and the Environment, The Netherlands, (6) Department of Bio and Health Informatics, Technical University of Denmark, Denmark, (7) European Bioinformatics Institute, UK, (8) Centre of Excellence for Omics-Driven Computational Biodiscovery, AIMST University, Malaysia, (9) World Health Organization, Switzerland Geographical risk factors for the discovery of human-infective RNA viruses	P
27	Vigre (1), Thomas Nordahl Petersen (1), Frank M. Aarestrup (1) (1) National Food Institute, Technical University of Denmark, Denmark, (2) Usher Institute, University of Edinburgh, United Kingdom, (3) Viroscience, Erasmus Medical Center, The Netherlands, (4) RIKILT Wageningen University and Research, The Netherlands, (5) National Institute for Public Health and the Environment, The Netherlands, (6) Department of Bio and Health Informatics, Technical University of Denmark, Denmark, (7) European Bioinformatics Institute, UK, (8) Centre of Excellence for Omics-Driven Computational Biodiscovery, AIMST University, Malaysia, (9) World Health Organization, Switzerland Geographical risk factors for the discovery of human-infective RNA viruses Feifei Zhang (1; Feifei.Zhang@ed.ac.uk), Margo Chase-Topping (2,3), Chuan-Guo Guo (4), Bram A.D. van	P
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Shengyuan Zhao (shengyuan.zhao@ed.ac.uk), Meghan R Perry, Margo Chase-Topping, Bram A.D. van Bunnik, Gail Robertson, Sharon Kennedy, Julie Wilson, Michael Lockhart, Eleanor Anderson, Mark E.J. Woolhouse

University of Edinburgh; Western General Hospital; Health Protection Scotland

Late poster additions

Many thanks to New England Biolabs for sponsoring the poster prizes.





Attendee list

First Name	Surname	Institute or Centre	Organisation
Merab	Acham	Fleming Fund Fellow	Ministry of Agriculture, Animal Industry and Fisheries, Uganda
Oluwafemi	Adu	Roslin Institute	University of Edinburgh
Omar	Alfituri	Roslin Institute	University of Edinburgh
Rosalind	Allen	School of Physics and Astronomy	University of Edinburgh
Joana	Alves	Roslin Institute	University of Edinburgh
Seth	Amanfo	Usher Institute	University of Edinburgh
Jane	Armstrong	Centre for Discovery Brain Sciences	University of Edinburgh
Carlos Enrique	Balcazar Lopez	Centre for Inflammation Research	University of Edinburgh
Peter	Barlow	Edinburgh Napier University	Edinburgh Napier University
Joel	Bazira	Fleming Fund Fellow	Mbarara University of Science and Technology, Uganda
Rosemary	Blake	Roslin Institute	University of Edinburgh
Mark	Blaxter	Institute of Evolutionary Biology	University of Edinburgh
Lisa	Boden	Global Academy of Agriculture and Food Security	University of Edinburgh
Russell	Brown	Synthsys/SBS	University of Edinburgh
Alexander	Brown	Roslin Institute	University of Edinburgh
Amy	Buck	Inst. Immunology and Infection Research	University of Edinburgh
Andrea	Calorini	Moredun Research Institute	
Harry	Campbell	Centre for Global Health Research	University of Edinburgh
Marta	Campillo	Roslin Institute	University of Edinburgh
Maria	Candela	Queen's Medical Research Institute	University of Edinburgh
Inès	Cara	Division of Infection and Pathway Medicine	University of Edinburgh
Molly	Carlier	Inst. Immunology and Infection Research	University of Edinburgh
Mathieu	Cayla	Inst. Immunology and Infection Research	University of Edinburgh
Sarah	Chan	Centre for Biomedicine, Self & Society	University of Edinburgh
Caroline	Chauche	Centre for Inflammation Research	University of Edinburgh
Farisai	Chidzwondo	Inst. Immunology and Infection Research	University of Edinburgh
Liangcui	Chu	Inst. Quantitative Biology, Biotechnology and Biochemistry	University of Edinburgh
Melanie	Clerc	Centre for Inflammation Research	University of Edinburgh
David	Collie	Roslin Institute	University of Edinburgh
Oliver	Coombs OBrien	Division of Infection and Pathway Medicine	University of Edinburgh
Mary-Kate	Corbally	Inst. Immunology and Infection Research	University of Edinburgh
Emma	Cunningham	Institute of Evolutionary Biology	University of Edinburgh
Alison	Daniels	Division of Infection and Pathway Medicine	University of Edinburgh
Federico	De Angelis	LifeArc	

Femke	de Wit	Biomedical School	University of Edinburgh
Ashish	Dhir	Inst. Genetics and Molecular Medicine	University of Edinburgh
Paul	Digard	Roslin Institute	University of Edinburgh
David	Dockrell	Centre for Inflammation Research	University of Edinburgh
David	Donaldson	Roslin Institute	University of Edinburgh
Katie	Duckett	Division of Infection and Pathway Medicine	University of Edinburgh
Sumeyye	Evin	Inst. Immunology and Infection Research	University of Edinburgh
Cristina	Fernández Rivas	Roslin Institute	University of Edinburgh
Stephen	Fitzgerald	Roslin Institute	University of Edinburgh
Ross	Fitzgerald	Roslin Institute	University of Edinburgh
David	Gally	Roslin Institute	University of Edinburgh
Eleanor	Gaunt	Roslin Institute	University of Edinburgh
Lina	Gonzalez	Roslin Institute	University of Edinburgh
Jamie	Gorzynski	Roslin Institute	University of Edinburgh
Sander	Granneman	SynthSys	University of Edinburgh
Heather	Grant	Institute of Evolutionary Biology	University of Edinburgh
Finn	Grey	Roslin Institute	University of Edinburgh
Aneta	Grochowalska	Inst. Immunology and Infection Research	University of Edinburgh
Juergen	Haas	Division of Infection and Pathway Medicine	University of Edinburgh
Jenny	Hall	NHS Lothian	
Fiona	Hamilton	Royal Infirmary of Edinburgh	NHS Lothian
Josh	Harling-Lee	Roslin Institute	University of Edinburgh
William	Hawkins	Edinburgh Clinical Research Facility	University of Edinburgh
Alejandra	Herbert	Institute of Evolutionary Biology	University of Edinburgh
Katie	Hildersley	Moredun Research Institute	
Holly	Hill	Moredun Research Institute	
Ross	Houston	Roslin Institute	University of Edinburgh
Lenka	Hrabalkova	Inst. Immunology and Infection Research	University of Edinburgh
lan	Huynh		
Ira	Iosub	Inst. Immunology and Infection Research	University of Edinburgh
James	Iremonger	Roslin Institute	University of Edinburgh
Ivayla	Ivanova	SynthSys	University of Edinburgh
Piotr	Janas	Centre for Inflammation Research	University of Edinburgh
Juan-Carlos	Jiménez- Castellanos	Division of Infection and Pathway Medicine	University of Edinburgh
Imogen	Johnston- Menzies	Roslin Institute	University of Edinburgh
Caitlin	Jones	Inst. Immunology and Infection Research	University of Edinburgh
Anna	Karagianni	Roslin Institute and R(D)SVS	University of Edinburgh
Shazia	Khan	Queen's Medical Research Institute	University of Edinburgh
Elham	Khatamzas	Infectious Diseases	University of Edinburgh

Medhat	Khattar	Biomedical Teaching Organisation	University of Edinburgh
Julius	Kuebel	Inst. Immunology and Infection Research	University of Edinburgh
Joseph	Kungu	Fleming Fund Fellow	College of Veterinary Medicine Animal Resources and Biosecurity, Makerere University
Demi	Lee	Open University	
Abraham	Lee	Roslin Institute	University of Edinburgh
Ola	Lee	Centre for Inflammation Research	University of Edinburgh
Hannah	Lepper	Usher Institute of Population Health Sciences & Informatics	University of Edinburgh
Elin	Lilja	Institute for Condensed Matter and Complex Systems	University of Edinburgh
Oliver	Lin	Roslin Institute	University of Edinburgh
Debby	Lipschutz- Powell	Global Academy of Agriculture and Food Security	University of Edinburgh
David	Longbottom	Moredun Research Institute	
Lu	Lu	Institute of Evolutionary Biology	University of Edinburgh
Nadejda	Lupolova	Roslin Institute	University of Edinburgh
Neil	Mabbott	Roslin Institute	University of Edinburgh
Claire	Mackintosh	NHS Lothian	
Kareen	Macleod	Roslin Institute	University of Edinburgh
Jake	MacLeod	Division of Infection and Pathway Medicine	University of Edinburgh
Concetta	Marino	Moredun Research Institute	
Jacqui	Matthews	Moredun Research Institute	
Keith	Matthews	Inst. Immunology and Infection Research	University of Edinburgh
Stella	Mazeri	Roslin Institute	University of Edinburgh
Hugh	McCaughan	SynthSys	University of Edinburgh
Deirdre	McClean	Institute of Evolutionary Biology	University of Edinburgh
Stuart	McKellar	Wellcome Centre for Cell Biology	University of Edinburgh
Florence	McLean	Inst. Immunology and Infection Research	University of Edinburgh
Elle	McLuskey	The Roslin Institute	University of Edinburgh
Luke	McNally	Institute of Evolutionary Biology	University of Edinburgh
Tom	McNeilly	Moredun Research Institute	
Henry	McSorley	Centre for Inflammation Research	University of Edinburgh
Charles	Metcalf	Division of Infection and Pathway Medicine	University of Edinburgh
Migla	Miskinyte	Inst. Immunology and Infection Research	University of Edinburgh
Liam	Morrison	Roslin Institute	University of Edinburgh
Mary	Morrissey	Usher Institute of Population Health Sciences & Informatics	University of Edinburgh
Ibrahimm	Mugerwa	Fleming Fund Fellow	Uganda National Health Laboratory Services
Dishon	Muloi	Centre for Immunity, Infection & Evolution	University of Edinburgh
Diana	Munoz	Inst. Immunology and Infection Research	University of Edinburgh

Janice	Murray	Inst. Immunology and Infection Research	University of Edinburgh
Zandile	Nare	Inst. Immunology and Infection Research	University of Edinburgh
Kyriaki	Neophytou	Inst. Immunology and Infection Research	University of Edinburgh
Alasdair	Nisbet	Moredun Research Institute	
Emily	O'Reilly	School of Biomedical Sciences	University of Edinburgh
Marie	O'Shea	Roslin Institute	University of Edinburgh
Guy	Oldrieve	Moredun Research Institute	University of Edinburgh
William	Olum	Fleming Fund Fellow	Jinja Regional Referral Hospital
Michael	Omodo	Fleming Fund Fellow	National Animal Disease Diagnostics and Epidemiology Centre, Uganda
Derick	Osakunor	Moredun Research Institute	University of Edinburgh
Billy	Palmer	Perelman School of Medicine	University of Pennsylvania
Holly	Parker	Division of Infection and Pathway Medicine	University of Edinburgh
Gavin	Paterson	Royal (Dick) School of Veterinary Studies	University of Edinburgh
Edith	Paxton	Roslin Institute	University of Edinburgh
Sharon	Peacock	Public Health England	
Chikondi	Peno	Centre for Inflammation Research	University of Edinburgh
Meghan	Perry	Centre for Infection, Immunity & Evolution, NHS Lothian	
Lorraine	Pfavayi		
Hlaing Wai Wai	Phyo	Roslin Institute	University of Edinburgh
Maya	Pidoux	University of Glasgow	
Jessica	Powell	Roslin Institute	University of Edinburgh
Arun	Prakash	Institute of Evolutionary Biology	University of Edinburgh
Elaine	Pritchard	Lloyd's	
Alexandra	Raftery	University of Glasgow	
Pujitha	Raja	Division of Infection and Pathway Medicine	University of Edinburgh
Rachel	Reeves	Centre for Global Health Research	University of Edinburgh
Tim	Regan	Roslin Institute	University of Edinburgh
Jenny	Regan	Inst. Immunology and Infection Research	University of Edinburgh
Amy	Richards	Roslin Institute	University of Edinburgh
Kevin	Robertson	Biomedical Teaching Organisation	University of Edinburgh
Mara	Rocchi	Moredun Research institute	
Enguang	Rong	Roslin Institute	University of Edinburgh
Douglas	Roy	Division of Infection and Pathway Medicine	University of Edinburgh
Appan	Roychoudhury	Division of Infection and Pathway Medicine	University of Edinburgh
Allicia	Ruiz	Centre for Inflammation Research	University of Edinburgh
Simbarashe	Rusakaniko	TIBA Zimbabwe	
Clark	Russell	Centre for Inflammation Research	University of Edinburgh
Neil	Sargison	Royal (Dick) School of Veterinary Studies	University of Edinburgh

Fiona	Sargison	Roslin Institute	University of Edinburgh
Achim	Schnaufer	Inst. Immunology and Infection Research	University of Edinburgh
Petra	Schneider	Institute of Evolutionary Biology	University of Edinburgh
Thamarai	Schneiders	Division of Infection and Pathway Medicine	University of Edinburgh
Holger	Schulze	Division of Infection and Pathway Medicine	University of Edinburgh
Colin	Sharp	Roslin Institute	University of Edinburgh
Eleanor	Silvester	Inst. Immunology and Infection Research	University of Edinburgh
Richard	Sloan	Division of Infection and Pathway Medicine	University of Edinburgh
Jacqueline	Smith	Roslin Institute	University of Edinburgh
Richard	Smith	Centre for Reproductive Health	University of Edinburgh
Natasha	Smith	Inst. Immunology and Infection Research	University of Edinburgh
Hilary	Snaith	Edinburgh Infectious Diseases	University of Edinburgh
Maria	Solsona	Division of Infection and Pathway Medicine	University of Edinburgh
Ritti	Soncco	School of Social and Political Science	University of Edinburgh
Lizzie	Southam	Division of Infection and Pathway Medicine	University of Edinburgh
Steven	Spoel	Institute of Molecular Plant Sciences	University of Edinburgh
Helen	Stagg	Usher Institute of Population Health Sciences & Informatics	University of Edinburgh
Tom	Stanton	Division of Infection and Pathway Medicine	University of Edinburgh
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