

## NEWS



HOUSE OF COMMONS

Science and Technology Committee

Oral evidence: [Science in emergencies: UK lessons from Ebola](#), HC 469

Tuesday 20 October 2015



### HOUSE OF COMMONS SCIENCE AND TECHNOLOGY COMMITTEE INQUIRY

HPRU EZI Director **Tom Solomon** presented evidence to the House of Commons Science and Technology Committee on the UK response to Ebola. The 'Science in emergencies: UK lessons from Ebola inquiry' was launched in July 2015 to examine the lessons the UK could take from the Ebola crisis around the use of scientific advice in potential future global health emergencies. Tom described the HPRU EZI's work on looking at the risk of Ebola transmission by airline passengers and the role of airport screening, the development of new diagnostic tests and studies of the virus evolution and spread. He also emphasised the need for more coordination between the various agencies carrying out research to support the government's efforts. Read more [here](#).



### HPRU EZI LIVERPOOL SEMINAR

HPRU EZI Deputy Director **Miles Carroll** gave a seminar at the University of Liverpool on 6 October 2015 on 'Ebola: Response, sequencing, vaccines and survivors'. Miles outlined the research of Public Health England and the HPRU EZI on Ebola in a well-attended seminar, and discussed his central role as part of the European Mobile Laboratory response to the West African Ebola outbreak, having been deployed five times to Guinea. The seminar was hosted by **Julian Hiscox**.



### EBOLA CONVALESCENT PLASMA STUDY IN SIERRA LEONE

**Calum Semple**, HPRU EZI Member and Senior Lecturer and Consultant Respiratory Paediatrician at the University of Liverpool's Institute of Translational Medicine, has written about his experiences of establishing trials in West Africa as part of the Ebola response in the Institute of Infection and Global Health's blog *The Centrifuge*. Read more [here](#).



### SCIENTIFIC ADVISORY BOARD ANNUAL MEETING

The HPRU EZI Scientific Advisory Board (SAB) held its annual meeting at the University of Liverpool in London on 20 November 2015. The Board, chaired by Professor **David Heymann**, met with the HPRU EZI Steering Committee, PhD students and Postdoctoral Researchers. A poster presentation session was held at lunchtime, followed by an open discussion with the SAB for PhD students and Postdoctoral Researchers.



### INFECTION AND GLOBAL HEALTH DAY

HPRU EZI research was well-represented at the University of Liverpool's fifth annual Infection and Global Health (IGH) Day held at the Victoria Gallery and Museum in Liverpool on 25 November 2015.

HPRU EZI Member **Georgios Pollakis** gave a Research Highlights talk on 'Ebola: Viral diversity and implications for clinical outcome' and PhD Students **Sarah Bar-Yaacov**, **Liz McGinley** and **Raquel Medialdea Carrera** gave poster presentations.



**Raquel Medialdea Carrera** won the IGH Poster Prize, and the IGH Researcher of the Year award went to **Julian Hiscox**, **Georgios Pollakis** and the Ebola Pathogenesis Team for their work on mapping Ebola virus evolution.



### VETERINARY TIMES ARTICLE

HPRU EZI Member **Fernando Sánchez-Vizcaíno Buendía** has been awarded HPRU EZI Strategic Research funding to conduct the pilot project "Comparing the antibiotics prescribing practices in human and small animal health: a 'One Health Informatics' approach". An article on antimicrobial dispensing in pets was published on the front page of the 2 November 2015 issue of the Veterinary Times journal. In the article **Alan Radford** highlighted the importance of the HPRU EZI pilot project. The Veterinary Times has the highest average issue readership of any UK veterinary title.



### HPRU EZI WEBSITE & TWITTER

Our website address is [www.hpruezi.nihr.ac.uk](http://www.hpruezi.nihr.ac.uk) and Twitter name is [@HPRUezi](https://twitter.com/HPRUezi)

Please don't forget to let us know about any news items, public engagement events, or anything similar, for the website, Twitter and next edition of this newsletter.

**HPRU EZI Annual Conference 2016****Tuesday 12 January 2016, University of Liverpool in London, 33 Finsbury Square, London, EC2A 1AG****The Response to Ebola and Other Emerging Threats**

This Annual Conference for the HPRU EZI will give the opportunity to hear from key investigators about the exciting research being undertaken and the future aims for the Unit, with keynote talks from Dr Gina Radford, Deputy Chief Medical Officer, Department of Health on 'The UK Ebola Response - Lessons Learnt and Preparing for the Future' and Professor Johan Giesecke, Chair of Infectious Disease Epidemiology, Karolinska Institute Medical University, Stockholm, on 'The European Response to New and Emerging Threats'.

If you have not already registered for this free event on Eventbrite, please do so [here](#), or email [hpruezi@liv.ac.uk](mailto:hpruezi@liv.ac.uk).

**Public Health England Emerging Infectious Disease Workshop****Wednesday 3 February 2016, The Kia Oval, London**

NIS Research will host a one day Emerging Infectious Disease Workshop on 3 February 2016. The workshop will include three sessions: Technologies Driving Discovery, Cases & Exemplars, and Epidemiology & Prevention. A more detailed agenda will follow in due course.

PHE is seeking short presentations, both oral (15 minutes) and posters that fit into the above sessions. If you have work that you would like to present, please submit an abstract to [tracy.capon-whyte@phe.gov.uk](mailto:tracy.capon-whyte@phe.gov.uk) by 31 December 2015. The workshop will be limited to 100 people. Please reserve your space with Tracy Capon-Whyte ([tracy.capon-whyte@phe.gov.uk](mailto:tracy.capon-whyte@phe.gov.uk)) as soon as possible, and at the latest by 29 January 2016.

**Society For Veterinary Epidemiology And Preventive Medicine (SVEPM) 2016 Annual Conference****16-18 March 2016, Elsinore, Denmark**

SVEPM is a European non-profit society of epidemiology researchers, animal health scientists and economists, and veterinary public health specialists, who gather at annual meetings in different European countries. The 2016 conference will be hosted in Denmark. This conference has a highly praised format with workshops on hot topics, in-depth oral presentations on advanced topics within the field and a large number of high quality posters encouraged by the society's high quality standards. The conference offers excellent networking opportunities and includes events for young scientists to boost their early career development.

For further information on this conference please visit [here](#).

**Public Health England Applied Epidemiology Scientific Conference 2016****22-23 March 2016, University of Warwick****Application of scientific methods to improve and protect health**

The purpose of this conference is to support high quality and innovative science through the sharing of good practice including the work of the NIHR Health Protection Research Units. The meeting will be a mix of plenary sessions, posters and parallel sessions. To book your place, please visit the [conference website](#).

## **Vector-Borne Diseases in the UK Biennial Conference**

**29-30 November 2016, Foresight Centre, University of Liverpool**

This bi-annual conference will next be held at the Foresight Centre, University of Liverpool on 29 and 30 November 2016. Further information will be available in due course.

## **VACANCIES AND STUDENTSHIPS**

### **Veterinary Research Fellowship in Emerging & Zoonotic Infections Grade 6/7**

**£27,057 - £37,394 pa**

**Faculty of Health and Life Sciences, Institute of Infection and Global Health, NIHR Health Protection Research Unit in Emerging & Zoonotic Infections**

**Location: Liverpool**

**Ref: R-589757/WWW**

**Closing date for receipt of applications: Tuesday 15 December 2015, 17:00 GMT**

This one year Veterinary Clinical Research Fellowship, funded through the HPRU and due to start in 2016, is for an individual who can demonstrate that they have outstanding potential for development as an academic in veterinary research in the areas relevant to this HPRU. For this post we are willing to consider applications from individuals without a PhD (at Grade 6) who might use this position to apply for a postgraduate fellowship. For appointment at Grade 7 a PhD in a relevant subject area is expected (e.g. infection, epidemiology) or a recognised European or American clinical speciality.

During the fellowship you will spend 100% of your time on research to develop pilot data that can be used towards a subsequent research fellowship. The research project will either be in one of the areas suggested on the HPRU website (see <http://www.hpruezi.nihr.ac.uk/>), or in any other area of health protection research, relating to one of the five HPRU research themes.

### **PhD Studentship: Investigation of populations and activities at risk of seasonal cryptosporidiosis in the UK**

Supervisors: Dr Roberto Vivancos, Dr Rob Christley, Professor Sarah O'Brien, Dr Russell Gorton, Professor Paul Hunter

*Closing date: 22 January 2016*

Cryptosporidia are an important cause of illness in the UK, where cases exhibit a highly seasonal pattern with spring and autumn peaks of infection. The aim of this project is to better understand the populations at greatest risk of cryptosporidiosis, and the activities that contribute to this increased risk, with the ultimate goal of informing prevention strategies and improving targeting of health promotion messages.

The project will analyse data routinely collected by Public Health England from cases of cryptosporidiosis during both seasonal peaks of this infection. This, together with evidence from studies published in the literature, will be used to generate hypothesis about likely populations and activities that might be associated with increased risk of acquiring this parasitic infection. These hypotheses will be further investigated using appropriate prospective studies.

The student will gain expertise in a range of key skills throughout the project through both formal and informal training. Training will include generic career and research skills as well as specific scientific skills, particularly focused on health epidemiology.

This PhD studentship would be suitable for a UK or EU graduate with a degree in a relevant health, biological or social science; some research experience and an interest in epidemiology is beneficial.

The studentship includes all fees and research costs and a stipend of £14,057 per annum.

To apply please visit [here](#).

## STUDENT NEWS

**Raquel Medialdea Carrera** has received coverage of her research on Ebola in a number of articles in El País, the highest-circulation daily newspaper in Spain. Read her four articles (in Spanish) at the following links: [1](#) [2](#) [3](#) [4](#).

**Charlotte Robin** presented at the International Society for Veterinary Epidemiology and Economics (ISVEE 14) Conference on 3 and 5 November 2015, held in Merida, Yucatan, Mexico. Charlotte's presentations were on 'Zoonotic disease risk perceptions in the British veterinary profession' and 'Barriers and motivators towards positive health behaviour in the British veterinary profession'.



### PhD Student Profile: Stephanie Begemann

Stephanie began in the Epidemiological Approaches Theme PhD Studentship 'Evaluations of risk perceptions by the public and health professionals to emerging infections' in September 2015, with supervisors Rob Christley, Francine Watkins and Liz Perkins of the University of Liverpool, and Roberto Vivancos of Public Health England. Stephanie graduated from Ghent University in Belgium as a Veterinary Surgeon. She started working as a clinical veterinarian in the Caribbean where she picked up her passion for windsurfing. After some years in practice during which she developed an interest in the 'social' aspects of being a veterinarian, she decided to do a second MSc degree in Medical Anthropology and Sociology at the University of Amsterdam. With Liverpool being one of the windiest towns in the UK, she is very happy to start her PhD here to do interesting research and keep up her windsurfing skills.



### PhD Student Profile: Aislinn Currie-Jordan

Aislinn started in October 2015 in the Vector Biology and Climate Modelling Theme PhD studentship 'Quantitative analysis of the attraction and feeding behaviour of mosquito species to humans in the UK', with supervisors Steve Torr and Philip McCall from the Liverpool School of Tropical Medicine (LSTM), Matthew Baylis from the University of Liverpool and Jolyon Medlock of Public Health England. Aislinn is an MSc graduate in 'The Biology and Control of Parasites and Disease Vectors' from LSTM, with experience in mosquito biology and insecticide resistance.



### PhD Student Profile: Greg Joyner

Greg started in the Clinical Surveillance Theme PhD Studentship 'Host-derived markers of Lyme disease and their diagnostic and prognostic potential' in October 2015, with supervisors Nick Beeching of the Liverpool School of Tropical Medicine, Julian Hiscox of the University of Liverpool, and Amanda Semper, Tim Brooks and Jackie Duggan of Public Health England. Greg is a graduate in Microbiology from the University of Glasgow, with experience in pathogen detection, and previously worked in drug manufacturing for a pharmaceutical company. When not reading about ticks, Greg is a keen rock climber and mountaineer.

### New HPRU EZI PhD Students

Welcome to **Jordana Muñoz Basagoiti** and **Soeren Metelmann**, who have recently joined us on HPRU EZI PhD studentships. **Kim Steeds** has also recently joined the HPRU EZI as a PHE-funded PhD student. Their studies will be featured in a future newsletter.

## PUBLIC INVOLVEMENT AND ENGAGEMENT, IMPACT AND KNOWLEDGE EXCHANGE

### Public Involvement and Engagement Activities

The NIHR expects that all HPRU researchers are involved in public involvement and engagement. There are numerous ways in which researchers can get involved, as outlined below.

### Public Engagement funds available for HPRU EZI

Exciting opportunity! We have number of awards of up to £400 available to HPRU EZI researchers to carry out public engagement activities. The awards will need to be spent before the end of **March 2016**. If you are interested, please contact Dr Becky Glennon-Alty, Public Engagement & Science Communications Officer, no later than **Friday 22 January 2016** with the following information:

- What you plan to do
- Your audience
- Rough costings
- Your expected outcomes

If you have an idea for an activity but are unsure of where to run it we have a number of upcoming opportunities you could get involved with - please contact Becky at [bglennon@liverpool.ac.uk](mailto:bglennon@liverpool.ac.uk) for further details.

### IGH Public Involvement Panel (including NIHR HPRU EZI)

The **Institute of Infection and Global Health Public Involvement Panel (including the NIHR Health Protection Research Unit in Emerging and Zoonotic Infections)** held its second meeting on 17 November 2015. HPRU EZI PhD student **Charlotte Robin** presented her research on 'Pets, pests and pestilence: understanding social and cultural aspects of zoonotic disease transmission' (Lay title: A tale of two rats: exploring the role of rats in everyday life) at the meeting.

The panel is a convenient way for HPRU EZI members to access the input of patients, public, farmers, pet owners etc, to have their unique input to your research. Most health research funders including the NIHR now require some form of public involvement/engagement, and we hope that this panel will be a way of providing you with that input. If you would like to present your research to the Panel, please contact **Fiona McGill** [fmcgill@liv.ac.uk](mailto:fmcgill@liv.ac.uk)



### **'Meet the Scientists' Programme, World Museum, Liverpool**

A series of weekend family-friendly events focused on key topics researched within the University of Liverpool's Faculty of Health and Life Sciences, including the HPRU EZI. Events provide an opportunity for visitors to meet real scientists and to find out about the latest research happening at the HPRU, in an informal, interactive and enjoyable way. Further dates will be advertised shortly.

<http://www.liv.ac.uk/health-and-life-sciences/meet-the-scientists/>



HPRU EZI Arbovirologist **Marcus Blagrove** and PhD Student **Ellen Murphy** participated in the 'Fat Cats and Hot Dogs' Meet the Scientists event held on 10 October 2015. The Institute of Infection and Global Health's giant inflatable gut was in action at this event, which around 2,500 people visited, of which approximately 1,800 people participated in the activities offered. Marcus ran the Bitten by the Bug stand, where visitors could come up close and personal with mosquitos!

### **Science Festivals**

A variety of science festivals take place across the country. Calls are put out at various times during the year. Full details can be found at [http://sciencecentres.org.uk/events/science\\_festivals.html](http://sciencecentres.org.uk/events/science_festivals.html).

### **Big Bang Fair**

National Fair - 16-19 March 2016 at the NEC, Birmingham <https://www.thebigbangfair.co.uk/Activities/>

Big Bang North West - 5 July 2016 - regional event held at Aintree Racecourse since 2014. HPRU EZI took part in the 2015 event. [https://nearme.thebigbangfair.co.uk/North\\_West/](https://nearme.thebigbangfair.co.uk/North_West/)

### **Famelab**

FameLab UK 2016 Competition: Calling all scientists and engineers with a passion for public engagement.

FameLab is inviting scientists, mathematicians and engineers across the UK to take part in its flagship science communications competition. Contestants have just 3 minutes to convey a scientific concept of their choice. They will be judged by leading researchers, media personalities and science policy makers on the content, clarity and charisma of their presentation. The UK winner receives a £1,000 cash prize and £750 to spend on a science communication activity and goes on to compete against over 25 other contestants from around the world at The Times Cheltenham Science Festival in June 2016.

Further information: <http://www.cheltenhamfestivals.com/about/famelab/>

## Science Writing

### IGH Blog

Anyone is free to contribute a blog to the Institute of Infection and Global Health's blog The Centrifuge [www.thecentrifugeblog.com](http://www.thecentrifugeblog.com). Blogs should be around 800 words, be written for a lay reader, include some good quality photographs, and can be on any topic as long as it's relevant to your work or IGH in general.

### The Conversation

The Conversation is a collaboration between editors and academics to provide informed news analysis and commentary that's free to read and republish. The University of Liverpool is a founding partner and academics can sign up to write articles. <https://theconversation.com/uk>

### University of Liverpool - Widening Participation and Outreach

This team at the University of Liverpool aim to inspire, engage and enable all those who would not traditionally consider higher education, to fulfil their potential by raising their awareness, challenging barriers and providing opportunities. They are involved in a variety of projects and initiatives which are targeted at young people in primary schools through to secondary and post-16. <http://www.liv.ac.uk/widening-participation/>

### STEM Ambassador Scheme

STEMNet run the UK's only network of STEM Ambassadors: over 27,000 brilliant and inspiring volunteers. Across the UK, STEM Ambassadors volunteer their time and support to promote STEM subjects to young learners in a vast range of original, creative, practical and engaging ways. They are an invaluable and free resource for teachers, helping to deliver the STEM curriculum and raise awareness of STEM careers, by revealing how essential STEM is throughout the world. Researchers are encouraged to sign up to the scheme which also provides you with a DBS check, public liability coverage and training opportunities. <http://www.stemnet.org.uk/>

### I'm a Scientist, Get me out of Here!

An online public engagement event that gets scientists talking to school students all over the UK. Scientists put up a profile on this site, answer students' questions about science, their research, the universe and beyond. They engage directly with students in live text-based chats. Students vote for their favourite scientist to win £500 to spend on further public engagement. Scientists develop their communication skills, gain a fresh perspective on their work, and find out what young people think about science and the role of scientists. <http://imascientist.org.uk/scientists>

**If you are involved in any relevant activities, please inform the HPRU EZI Administration Team at [hpruezi@liverpool.ac.uk](mailto:hpruezi@liverpool.ac.uk). Please provide the activity title, brief description, date, audience (schools, public, etc), audience numbers, and any photographs or additional relevant information.**

In late September 2015 **Tom Solomon** presented at the University of Liverpool-NIMHANS Symposium held in Bangalore, India. Tom gave a talk at the RCPE Neurology Symposium held on 9 October 2015 at the Royal College of Physicians of Edinburgh. He gave three talks at the XXII World Congress of Neurology (WCN 2015), held in Santiago, Chile from 31 October-5 November 2015, and on 5 November 2015 he spoke at Fiocruz in Rio de Janeiro, Brazil. On 11 and 13 November 2015 Tom taught on Arboviruses and Rabies during the Diploma and Tropical Medicine and Hygiene course held at the Liverpool School of Tropical Medicine.

**Matthew Baylis** gave a talk on 'Modelling the effects of climate change on the dynamics of vector-borne disease' at the University of Westminster on 2 October 2015. Matthew also gave a talk on 16 October 2015 at the EXPO 2015 in Milan during EFSA's 2nd Scientific Conference on Shaping the Future of Food Safety, Together on 'Relations between hosts, pathogens and their environment: connecting the dots'.

**Tim Brooks** was invited to present at the 16th Annual US Lyme Disease Association conference 'Lyme and other tick-borne diseases: science bridging the gap', held on 14-15 November 2015 in Rhode Island, USA. Tim presented on 'Lyme borreliosis in England'.

**Alan Radford** has delivered an interactive session for school children on germs and how children can reduce the spread of infection, to years from Reception to Year 4. Alan delivered his third annual Christmas lecture to primary school children on 1st December 2015 at the University of Liverpool's Leahurst Campus, and on 5 December 2015 at Ness Gardens. Alan has also been involved in IGH's healthy Christmas Jingle -see more [here](#).

**Cyril Caminade** was invited speaker at the '50 days before COP21' Alliance Française de Manchester public outreach event, held in Manchester on 9 October 2015. Cyril presented research on climate change and health at the Leto College in Manchester on 9 December 2015, and will give a talk at a Cafe Scientifique event at the University of Glasgow on 15 December 2015. The work of Cyril and colleagues focusing on the impact of climate change on global malaria distribution has been used and cited in a recently released report by the World Bank which was highlighted recently in the mainstream media, just before COP21 held in Paris - read more [here](#).

## NIHR COMMUNICATIONS

### Publications Approval and Acknowledgments

**Submission:** A draft of research articles/papers should be submitted to NIHR at the same time as submission for publication or at least 28 days before the date intended for publication, whichever is earlier. This should be done via the HPRU admin team: [hpruezi@liv.ac.uk](mailto:hpruezi@liv.ac.uk)

### Acknowledging HPRU EZI in Publications

Acknowledging the HPRU EZI is vital as we need to capture all your relevant work - if it says HPRU in the address it counts as an output for the Unit.

Anything HPRU related published by any NIHR HPRU in Emerging and Zoonotic Infections researcher should have the following included as an address, in addition to your usual address:

- NIHR Health Protection Research Unit in Emerging and Zoonotic Infections, University of Liverpool, L69 7BE
- NIHR Health Protection Research Unit in Emerging and Zoonotic Infections, Liverpool School of Tropical Medicine
- NIHR Health Protection Research Unit in Emerging and Zoonotic Infections, PHE Porton Down, UK
- NIHR Health Protection Research Unit in Emerging and Zoonotic Infections, PHE Colindale, UK

Where a publication is a result of work directly funded by the HPRU this too needs to be acknowledged.

**Funding:** This work was supported by the National Institute for Health Research Health Protection Research Unit in Emerging and Zoonotic Infections.

**Disclaimer for work directly funded by the NIHR:**

The research was funded by the National Institute for Health Research Health Protection Research Unit (NIHR HPRU) in Emerging and Zoonotic Infections at the University of Liverpool in partnership with Public Health England (PHE) and Liverpool School of Tropical Medicine (LSTM). The views expressed are those of the author(s) and not necessarily those of the NHS, the NIHR, the Department of Health or Public Health England.

**Disclaimer for work not directly funded by the NIHR but where they have been acknowledged in the address:**

The views expressed are those of the author(s) and not necessarily those of the NHS, the NIHR, the Department of Health or Public Health England.

## STRATEGIC RESEARCH AND TRAINING FUND OUTCOMES

Following review by committee a number of Strategic Research and Training grants were awarded.

**Workshop Fund**

PI	Co-Investigators	Research Project Title	Theme	Amount
Lorraine McElhinney	Nicola Williams, Roger Hewson, Tony Fooks, Tim Brooks	2nd UK Hantavirus Meeting	Clinical Surveillance / Pathogen Discovery and Characterisation	£7,000
Mike Griffiths	Tom Solomon, Fiona McGill	Developing a consortium to improve patient access to care, diagnosis and management of tuberculosis meningitis in England	Clinical Surveillance	£2,262

## Cross NIHR Infrastructure Fund

PI	Co-Investigators	Research Project Title	Cross NIHR Infrastructure	Amount
Calum Semple	Peter Openshaw & Jake Dunning, Maria Zambon & Meera Chand, Robert Read	ISARIC Clinical Characterisation Protocol for Severe Emerging Infection and Short Period Incidence Study of Severe Acute Respiratory Infection	Between two HPRUs (HPRU EZI and Respiratory Infections, London), Public Health England (Rare & Imported Pathogens Laboratory and Reference Microbiology Services), The NIHR CRN Infectious Diseases and Microbiology Speciality Network and the coordinating centre of the International Severe Acute Respiratory and Emerging Infections Consortium (ISARIC) in Oxford	£5,832.50
Nicola Williams	Sarah O'Brien, Neil Woodford, Gina Pinchbeck	Antimicrobial resistance (AMR) carriage and risk in workers and people living on dairy farms in England and Wales	NIHR Health Protection Research Unit in Healthcare Associated Infections and Antimicrobial Resistance & HPRU in Gastrointestinal Infections	£10,000

## Training Fund

Applicant	Training	Theme	Amount
Charlotte Robin & Stephanie Begemann	2 x modules of Master of Public Health at UoL	Epidemiological Approaches	£1,000
Charlene Adaken	Neutralization assay performance training	Pathogen Discovery and Characterisation	£4,380

## PUBLICATIONS

**Congratulations to the following who have published in recent months. Please don't forget to put the HPRU EZI address/acknowledgement in your publications, because this is required by NIHR.**

Rose H, [Caminade C](#), Bolajoko MB, Phelan P, van Dijk J, [Baylis M](#), Williams D, Morgan ER. **Climate-driven changes to the spatio-temporal distribution of the parasitic nematode, *Haemonchus contortus*, in sheep in Europe.** Global Change Biology. 2015 Oct 20. doi: 10.1111/gcb.13132. [Epub ahead of print].

Available from: <http://onlinelibrary.wiley.com/doi/10.1111/gcb.13132/abstract>

Thomas LF, Harrison LJ, Toye P, de Glanville WA, Cook EA, Wamae CN, [Fèvre EM](#). **Prevalence of *Taenia solium* cysticercosis in pigs entering the food chain in western Kenya.** Tropical Animal Health and Production. 2015 Nov 18. [Epub ahead of print]. Available from: <http://link.springer.com/article/10.1007%2Fs11250-015-0949-6>

Stärk KD, Morgan D. **Emerging zoonoses: tackling the challenges**. *Epidemiology and Infection*. 2015 Jul;143(10):2015-7. doi: 10.1017/S0950268815000680. Epub 2015 May 11. Available from: <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9757030&fileId=S0950268815000680>

van Montfort T, Thomas AA, Krawczyk PM, Berkhout B, Sanders RW, Paxton WA. **Reactivation of Neutralized HIV-1 by Dendritic Cells Is Dependent on the Epitope Bound by the Antibody**. *The Journal of Immunology*. 2015 Oct 15;195(8):3759-68. doi: 10.4049/jimmunol.1402344. Epub 2015 Sep 9. Available from: <http://www.jimmunol.org/content/195/8/3759.long>

Read JM, Diggle PJ, Chirombo J, Solomon T, Baylis M. **Effectiveness of screening for Ebola at airports**. *Lancet*. 2015 Jan 3;385(9962):23-4. doi: 10.1016/S0140-6736(14)61894-8. Epub 2014 Nov 13. Available from: <http://www.sciencedirect.com/science/article/pii/S0140673614618948>

Matata C, Easton A, Michael B, Evans B, Ward D, Solomon T, Kneen R. **Managing patients with encephalitis**. *Nursing Standard*. 2015 Nov 11;30(11):50-60. doi: 10.7748/ns.30.11.50.s47. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26554998>

Ng LF, Solomon T. **Decade in review - CNS infections: Major advances against a moving target of CNS infections**. *Nature Reviews Neurology*. 2015 Nov;11(11):623-4. doi: 10.1038/nrneurol.2015.202. Epub 2015 Oct 27. Available from: <http://www.nature.com/nrneurol/journal/v11/n11/full/nrneurol.2015.202.html>

## GRANT SUCCESS

HPRU members have been successful in obtaining the following research funding.

Name	Details	Funder	Award
<b>Dr Hannah Brindle</b>	Risk factors for and spatio-temporal distribution of acute encephalitis syndrome in Nepal	Wellcome Trust	£154,299
<b>Professor Peter Diggle</b>	Sudden cardiac death: Bedside risk assessment for dialysis patients	Kidney Research UK	£2,616
<b>Dr Dean Everett</b>	H3ABioNet - a sustainable African Bioinformatics Network for H3Africa	National Institutes of Health (NIH) (USA)	£5,784.43
<b>Professor Neil French</b>	Impact of rotavirus vaccination on winter/spring pressures at a large paediatric hospital in the UK: an ecological study	GlaxoSmithKline (UK)	£10,5560.99

<b>Professor Anna Maria Geretti</b>	Defining the risk of HIV transmission by sensitive methodologies	British HIV Association (BHIVA) (UK)	£16,070
<b>Professor Anna Maria Geretti</b>	Evolution of the burden of active hepatitis C infection in the UK from September 2015 to September 2016: a repeated cross-sectional analysis	Bristol-Myers Squibb Pharmaceuticals Ltd (UK)	£22,000
<b>Professor Julian Hiscox</b>	PHE-FDA BAA-15-00121: Ebola virus Correlates of Protection, Biomarkers of Disease Outcome and Mutations with Implications for Efficacy of Vaccines and Therapeutics	Food and Drug Administration (USA)	£400,000
<b>Professor Tom Solomon</b>	Intravenous immunoglobulin in the management of encephalitis in children	Department of Health (UK)	£15,814.40
<b>Professor Tom Solomon</b>	The British Antibiotic and Silver Impregnated Catheters for ventriculoperitoneal Shunts multi-centre randomised controlled trial (The BASICS trial)	Department of Health (UK)	£32,000

## NEW MEMBERS

- **Charlene Adaken**, PhD Student, Institute of Infection and Global Health, University of Liverpool
- **Dr Apostolos Beloukas**, Post-Doctoral Research Associate, Institute of Infection and Global Health, University of Liverpool
- **Dr Janet Scott**, Wellcome Trust Clinical Fellow in Biomedical Sciences, Liverpool Pharmacometrics Group, School of Molecular and Clinical Pharmacology, Institute of Translational Medicine, University of Liverpool
- **Dr Marie McIntyre**, Post-Doctoral Research Associate, Institute of Infection and Global Health, University of Liverpool
- **Dr Joanne Fothergill**, Research Fellow, Leverhulme Trust Early Career Fellowship, Institute of Infection and Global Health, University of Liverpool

## SUBMIT YOUR NEWS

If you have any items for inclusion in the next newsletter please send them to [hpruezi@liv.ac.uk](mailto:hpruezi@liv.ac.uk)

NIHR Health Protection Research Unit in Emerging and Zoonotic Infections

Website | <http://www.hpruezi.nihr.ac.uk/>

Twitter | [@HPRUezi](https://twitter.com/HPRUezi)