

Newsletter

Autumn 2015 Issue 03

NEWS

NIHR HPRU EZI STRATEGIC RESEARCH AND TRAINING FUNDING CALLS 2015/2016



The NIHR HPRU in Emerging and Zoonotic Infections is pleased to announce the launch of the following research and training funding calls as part of its 2015/2016 Strategic Research Funding.

WORKSHOP CALL

Researchers are invited to submit applications for funding of a workshop, seminar or meeting which relates to any area of research within the HPRU EZI. Workshops will be funded that focus on stimulating future research activities or bring together researchers from diverse disciplines. Activity context can be very important, so part of the workshop may be devoted to dissemination of recent results and current activities.

[Application Form available here](#)

Deadline for return of applications: 4.00 pm on Thursday 15 October 2015

CROSS NIHR INFRASTRUCTURE FACILITY COLLABORATIONS MATCH FUNDED PUMP PRIMING SCHEME (CALL 2)

This pump priming initiative seeks to match fund research projects to create a strategic collaboration between HPRU EZI and one or more NIHR Infrastructure facility (HPRUs, BRCs or CLAHRCs, for example). The HPRU EZI will provide up to £15,000 per project (Pay and Non-Pay costs) to successful applications on condition that the applicants identify equal amounts of matched funding. The final total of no less than £30,000 will thus provide the Pay and Non-Pay costs of a 6-12 month project.

[Application Form available here](#)

Deadline for return of applications: 4.00 pm on Monday 26 October 2015

FINAL CALL FOR 2015/2016 HPRU EZI SCIENTIFIC TRAINING FUND

The HPRU EZI invites applications to the Scientific Training Fund which has been established to provide opportunities for career progress to HPRU EZI employees/students/members.

[Application Form available here](#)

Deadline for return of applications: Thursday 15 October 2015

Guidance and applications are available on the HPRU EZI website or for more information

please contact Adele Maggs, NIHR HPRU Senior Manager amaggs@liv.ac.uk

THE LANCET

E-cigarettes:
"Public Health England claims that it protects and improves the nation's health and wellbeing. To do so, it needs to rely on the highest quality evidence. On this occasion, it has fallen short of its mission."

Articles	Articles	Articles	Summit	Opinion
Effect of different types of e-cigarettes on lung function and respiratory symptoms: a randomised controlled trial	Effect of point-of-care rapid diagnostic testing on the management of patients with acute respiratory infection: a randomised controlled trial	Management of patients with acute respiratory infection: a randomised controlled trial	Global health summit: leading evidence to save lives	High quality evidence: health systems and health professionals need to be better prepared

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EBOLA DIAGNOSTIC TEST PAPER PUBLISHED IN THE LANCET

Tim Brooks and **Amanda Semper** of Public Health England are among the authors of a paper published in The Lancet titled "ReEBOV Antigen Rapid Test kit for point-of-care and laboratory-based testing for Ebola virus disease: a field validation study".

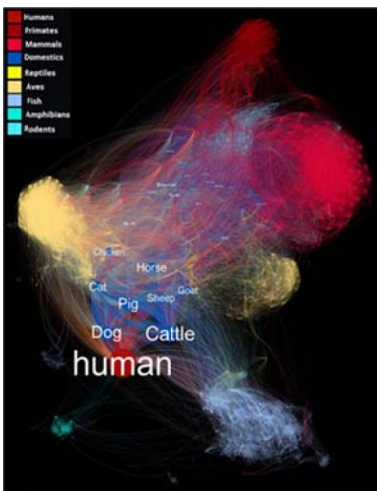
At present, diagnosis of Ebola virus disease requires transport of venepuncture blood to field biocontainment laboratories for testing by real-time RT-PCR, resulting in delays that complicate patient care and infection control efforts. Therefore an urgent need exists for a point-of-care rapid diagnostic test for Ebola virus disease. In this paper, results were reported of a field validation of the Corgenix ReEBOV Antigen Rapid Test kit.

Read more [here](#).

'DATABASE OF HOST-PATHOGEN AND RELATED SPECIES INTERACTIONS, AND THEIR GLOBAL DISTRIBUTION' PAPER PUBLISHED IN SCIENTIFIC DATA

A paper by authored by **Maya Wardeh** and **Matthew Baylis** on species-level interactions from the Enhanced Infectious Disease Database (EID2) has been published in Scientific Data, and was featured this week on the CDC Global Health Twitter feed. The paper describes how interactions between species, particularly where one is likely to be a pathogen of the other, as well as the geographical distribution of species, were systematically extracted from various web-based, free-access sources, and assembled with the accompanying evidence into a single database. The datasets presented in the paper provide a valuable resource for researchers of infectious diseases of humans and animals, including zoonoses.

Read more [here](#).



INTRODUCTION TO SYSTEMATIC REVIEWS AND META-ANALYSIS COURSE

The HPRU EZI and the HPRU in Gastrointestinal Infections supported the 'Introduction to Systematic Reviews and Meta-Analysis' course held on Thursday 24 September at the Foresight Centre, University of Liverpool.

The one day course attracted a full house of 40 participants and was delivered by experienced systematic reviewers in the field of global public health, Dr David Taylor-Robinson and Dr Daniel Pope. The course involved presentations, case-studies and hands-on practical experience, and participant outcomes from the course included the ability to develop and refine research questions for a systematic review and gaining skills in the conduct of meta-analysis using Cochrane RevMan software.



PUBLIC HEALTH ENGLAND ANNUAL CONFERENCE 2015



Public Health England's third annual conference was held 15-16 September 2015 at the University of Warwick, and brought together over 1,400 participants from a wide range of organisations. The theme for this year's event was 'Evidence into Action', and keynote speeches were given by PHE's Chief Executive Duncan Selbie and Chief Knowledge Officer John Newton, Minister for Public Health Jane Ellison MP, and Rt Hon Jeremy Hunt MP, Secretary of State for Health. **Miles Carroll** and **Roger Hewson** chaired the 'Emerging diseases: New technologies to address current and future threats' session, in which both Miles and **Julian Hiscox** presented. **Liz McGinley, Miles Carroll, Amanda Semper, Andrew Bosworth** and **Sarah Bar-Yacov** had poster presentations.



NIHR HPRU EZI WEBSITE & TWITTER

Our website address is 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.

EVENTS

IGH NIHR Health Protection Research Unit in Emerging and Zoonotic Infections Lunchtime Seminar

Tuesday 6 October 2015, 12.15 pm (lunch available from 12.00 pm), Seminar Room 6, Life Sciences Building, University of Liverpool (also live-streamed to Main Meeting Room LH1 Leahurst)

Miles Carroll, Head of Research, Public Health England & Deputy Director, NIHR Health Protection Research Unit in Emerging and Zoonotic Infections - 'Ebola: Response, sequencing, vaccines and survivors'

Miles Carroll joined Public Health England (formerly known as the Health Protection Agency) as Deputy Director, Head of Research at Porton Down in September 2008. In his current role he is responsible for >300 scientists and support services personnel. He also has strategic and operational control to ensure that the Department is at the forefront of translational research in the areas of high containment microbiology, infectious disease vaccines, therapeutics, diagnostics and decontamination.

Miles has played a central role as part of the European Mobile Laboratory response to the West African Ebola outbreak. In the last year he has been deployed five times to Guinea and is involved in research into EBOV molecular characterisation, clinical trials and naturally acquired immunity in EVD survivors.

This seminar will be hosted by Julian Hiscox.

Science as a Story - Digital Storytelling for Public Engagement

Tuesday 20 October 2015, 10.00 am - 4.30 pm, Mandela Room, Liverpool Guild of Students

This one day workshop will consider the use of narrative in effectively conveying your research and its importance to different stakeholders and audiences. Registration is open to all University of Liverpool Faculty of Health and Life Sciences staff. Attendance is free and refreshments and lunch are included. Places are limited. To register please email Mieke De Lathouwers miekedl@liverpool.ac.uk

HPRU EZI Scientific Advisory Board Meeting

Friday 20 November 2015, 9.30 am - 5.00 pm, University of Liverpool in London

The HPRU EZI 2015 Scientific Advisory Board (SAB) Meeting will take place on 20 November 2015 in London. All Theme Leaders are expected to attend the event, and PDRAs and PhD students will be invited to attend for lunch, poster presentations, and an open discussion session with the SAB, from 12.45 pm until 2.30 pm. Further information will be circulated shortly.

Save the Date: HPRU EZI Annual Scientific Meeting 2016

Tuesday 12 January 2016, University of Liverpool in London

Next year's Annual Scientific Meeting will be held on 12 January 2016 in London. Further information on the event will follow in due course.

VACANCIES AND STUDENTSHIPS

Clinical Research Fellowship in Emerging and Zoonotic Infections

£31,838 - £35,952 pa

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

Location: University Campus

Ref: R-589369/WWW

Closing date for receipt of applications: Wednesday 7 October 2015

You will demonstrate the potential for outstanding development as a clinical academic in research. Unlike NIHR ACFs which are only offered in certain disciplines and at certain career stages, we are willing to consider doctors from a range of relevant backgrounds including epidemiology, infectious disease, microbiology, virology, organ based specialties and general practice. You should have and MBChB, MB BS or equivalent medical degree or have completed foundation training. You will work on research developing pilot data which can be used towards a subsequent research fellowship application from NIHR, Wellcome Trust, MRC or other.

The research project will either be in one of the areas suggested [here](#) or in any other area of health protection research, relating to one of the five HPRU EZI research themes. You are strongly advised to contact potential supervisors to help you develop your research ideas before interview. The post is available for 1 year.

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

Clinical Fellow - Risks, burden and socio-biology of hepatitis E infection

Employing organisation: Public Health England

Location of Post: Public Health England, 61 Colindale Avenue London, NW9 5EQ

Accountable to: Head of Emerging Infections and Zoonoses

Grade: Clinical Fellow (post suitable for foundation level registrar or medical graduate)

Duration: 2 ½ year Fixed Term Contract from October 2015

Salary Scale: Depending on qualifications and experience (range £31,301 - £43,434 pa). Medically qualified individuals will be appointed to the point of the consultant salary scale (2003 contract) for England appropriate to their years of seniority.

Hours: Full time 10 Programmed Activities (PAs) or 37.5 hours per week

We are seeking to appoint a Clinical Fellow to commence in October 2015 for a 2 ½ year FTC. The primary role of this post is to deliver the NIHR-HPRU project on the risks, burden and socio-biology of hepatitis E infection. Hepatitis E has emerged as an important public health problem and the number of indigenous cases has increased significantly over the past 3 years. This project will examine the changing burden of infection in England and Wales, investigate likely sources of and factors associated with infection, and examine clinical presentations which will involve clinical follow-up of cases. The postholder will be responsible for clinical input, scientific input and management of the project in collaboration with the hepatitis E team at Colindale.

We are seeking applicants who are self-motivated and proactive, and who have an understanding of epidemiology, public health and clinical infectious disease. The post would be suitable for a foundation registrar and candidates must be registered with the GMC.

The successful candidate will be appointed to the point of the salary scale appropriate to their experience.

Prospective candidates are invited to contact Dr Dilys Morgan on 020 8327 7474.

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

Veterinary Academic Clinical Fellowship (ACF)

We will shortly be recruiting to a Veterinary Academic Clinical Fellowship (ACF) post. For further information on this post please contact Adele Maggs, HPRU EZI Senior Manager.

STUDENT NEWS

New HPRU EZI PhD students

Welcome to **Stephanie Begemann**, **Aislinn Currie-Jordan** and **Greg Joyner** who have recently joined us on HPRU EZI PhD studentships. Their studies will be featured in a future HPRU EZI newsletter.

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)** will hold its second meeting, which will be veterinary-based, on Tuesday 17 November 2015 from 2.00 pm to 5.00 pm (with lunch from 1.00 pm) at Leahurst. HPRU EZI members **Charlotte Robin** and **Alan Radford** will present their research at this 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

Become a STEM Ambassador

STEM Ambassadors use their enthusiasm and commitment to encourage young people to enjoy STEM subjects. They open the doors to a world of opportunities and possibilities which come from pursuing STEM subjects and careers. STEM Ambassadors contribute to their local community and at the same time boost their own professional skills, experience and confidence. For further information please visit [here](#).

On 24 September 2015 **Tom Solomon** gave a talk on 'This little piggy went to market - "One Health"' at the British Veterinary Association's Members' Day in Edinburgh.

Jackie Duggan was invited to give a talk on 'Next-Generation Diagnostic Assays for the Detection of Lyme disease' to The Institute of Biomedical Science Annual Congress on 29 September 2015 in Birmingham.

Jolyon Medlock will give the Jonathan Peck Memorial Lecture on 'Emergent public health challenges from vectors' at the Chartered Institute of Environmental Health National Conference on 21 October 2015 in Nottingham.

NIHR COMMUNICATIONS

Below is a summary of how to identify yourself with the NIHR HPRU EZI. Using the templates (which have previously been circulated to HPRU EZI PIs, staff and students) will create unity and help build a stronger, more recognisable NIHR HPRU brand both within the research community and with patients and the public, industry and charities.

Although we are geographically spread across England we are all One NIHR HPRU, so if you receive funding and support from the HPRU you should adhere to this branding when representing the HPRU.

Below are brief details on how to use the NIHR HPRU logo and design, templates and acknowledgements. The full 82 page NIHR branding guide is available [here](#).

Email Signature

Please ensure your affiliation to the NIHR HPRU is clear and includes the website and Twitter address.

For example:

Mr Tom Jones
PhD Student
National Institute of Health Research
Health Protection Research Unit in Emerging and Zoonotic Infections
The University of Liverpool
Address etc
Telephone
Email

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

Follow us on Twitter: <https://twitter.com/HPRUezi>

Presentations

Presentations relating to the work of the NIHR HPRU should be given on the NIHR presentation template.

NIHR should be acknowledged for their support at the end of the presentation, for example:

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



Title of presentation

Name of presenter

NIHR Health Protection Research Unit in
Emerging and Zoonotic Infections

Posters

Posters relating to the work of the NIHR HPRU should be given on the Poster template and include the NIHR Disclaimer. The portrait and landscape poster templates are in .pptx format.

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

Acknowledging HPRU in Publications

Acknowledging the NIHR HPRU 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 HPRU in Emerging and Zoonotic Infections researcher should have the following included as an address, in addition to your usual address:

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.

One NIHR

One NIHR is for the different people funded by, supported by and working for the NIHR. One NIHR is a unifying NIHR identity and provides the tools that different stakeholders across the organisation need to talk about the NIHR in their working lives. For a quick overview, watch Chief Medical Officer Professor Dame Sally C. Davies introduce One NIHR in this [film clip](#).

There is a dedicated One NIHR page for those [working or otherwise a part of the NIHR](#) based in the NIHR Infrastructure, Schools, Research Centres and Units, as well as in the NIHR Coordinating Centres, plus a page for Research Nurses.

One NIHR is supported by an 'I am NIHR' pin badge.

If you haven't already received your I am NIHR badge please contact hpruezi@liv.ac.uk

NIHR Logos

Using the NIHR logo in any other printed material must be approved by the Communications Team comms@nihr-ccf.org.uk



The NIHR have created two 'stamps' that you can use on your slides, stationery and other print or online materials. The 'stamp' works in partnership with the NIHR logo, and can also be used where the logo is not used, to inform others that you are funded by or supported by the NIHR.



For further information regarding NIHR HPRU branding please contact Adele Maggs, NIHR HPRU Senior Manager amaggs@liv.ac.uk or Research Information and Communications Team, NIHR Central Commissioning Facility comms@nihr-ccf.org.uk

STRATEGIC RESEARCH FUND OUTCOMES

Following review by committee a number of Strategic Research grants were awarded:

Cross HPRU EZI Theme Collaborations Funding

PI	Co-Investigators	Research Project Title	Cross Theme (which themes)	Amount
Sanchez-Vizcaino	French, Hungerford, Christley, Radford	Comparing the antibiotics prescribing practices in human and small animal health: a "One Health Informatics" approach	Risk Assessment of Emerging and Zoonotic Threats, Epidemiological Approaches	£10,000
Griffiths	Borrow, Solomon, Hartley	Validating known and identifying further novel peripheral blood and cerebrospinal fluid host biomarkers of meningitis and encephalitis	Clinical Surveillance, Pathogen Discovery and Characterisation	£10,000
Solomon	Hiscox, Ng	The role of genome variability in the biological and clinical responses to Enterovirus-71 infection	Clinical Surveillance, Pathogen Discovery and Characterisation	£9,550
Geretti	Taegtmeyer, Richardson	Validation of the use of capillary blood collected by fingerprick for the near-patient detection on hepatitis C virus (HCV) RNA on the GeneXpert molecular diagnostic system - The hep C fingerprick study	Clinical Surveillance, Epidemiological Approaches	£2,000
Williams	McElhinney, Brooks, Hewson	Prevalence of Seoul hantavirus in UK pet rats associated with severe cases of HFRS	Clinical Surveillance & Pathogen Discovery and Characterisation directly, but could also pump prime research in other themes	£9,000

Open Funding

PI	Co-Investigators	Research Project Title	Open Call: Collaborating Institutes	Amount requested
Blagrove	Baylis, Medlock, Carpenter, Torr	Ultra breadth RNA-seq detection of viruses and prokaryotes in wild midges	University of Liverpool, Pirbright Institute, Liverpool School of Tropical Medicine, Public Health England	£5,786

Cross NIHR Infrastructure Facility Collaborations Match Funded Pump Priming Scheme Funding

PI	Co-Investigators	Research Project Title	Cross Theme (which themes)	Amount requested
Hiscox	Carroll, Lomax	Comparison of high resolution sequencing and Minlon sequencing for rapid contact tracing and pathogen evolution	Pathogen Discovery and Characterisation, External NIHR Centre	£10,000

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.

Al Shekaili T, Clough H, Ganapathy K & Baylis M. **Sero-surveillance and risk factors for avian influenza and Newcastle disease virus in backyard poultry in Oman**. Preventive Veterinary Medicine. 2015 online 25/9/2015. 10.1016/j.prevetmed.2015.09.011

Available from: <http://www.sciencedirect.com/science/article/pii/S0167587715300167>

Awad F, Forrester A, Baylis M, Lemiere S, Ganapathy K, Hussien HA, Capua I. **Protection conferred by live infectious bronchitis vaccine viruses against variant Middle East IS/885/00-like and IS/1494/06-like isolates in commercial broiler chicks**. Veterinary Record Open. 2015 Sep 9;2(2):e000111. doi: 10.1136/vetreco-2014-000111. eCollection 2015.

Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4567785/>

Wardeh M, Risley C, McIntyre MK, Setzkorn C, Baylis M. **Database of host-pathogen and related species interactions, and their global distribution**. Scientific Data. 2015 Sep 15;2:150049. doi: 10.1038/sdata.2015.49. eCollection 2015.

Available from: <http://www.nature.com/articles/sdata201549>

Mansfield KL, Banyard AC, McElhinney L, Johnson N, Horton DL, Hernández-Triana LM, Fooks AR. **Rift Valley fever virus: A review of diagnosis and vaccination, and implications for emergence in Europe**. Vaccine. 2015 Aug 19. pii: S0264-410X(15)01134-2. doi: 10.1016/j.vaccine.2015.08.020. [Epub ahead of print]

Available from: <http://www.sciencedirect.com/science/article/pii/S0264410X15011342>

Pounder KC, Watts PC, Niklasson B, Kallio ER, Marston DA, Fooks AR, Begon M, McElhinney LM. **Genome characterisation of two Ljungan virus isolates from wild bank voles (*Myodes glareolus*) in Sweden**. Infection, Genetics and Evolution. 2015 Sep 13. pii: S1567-1348(15)00377-9. doi: 10.1016/j.meegid.2015.09.010. [Epub ahead of print]

Available from: <http://www.sciencedirect.com/science/article/pii/S1567134815003779>

Heinsbroek E, Tafatatha T, Phiri A, Ngwira B, Crampin AC, Read JM, French N. **Persisting high prevalence of pneumococcal carriage among HIV-infected adults receiving antiretroviral therapy in Malawi: a cohort study.** AIDS. 2015 Sep 10;29(14):1837-44. doi: 10.1097/QAD.0000000000000755.

Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4568891/>

Broadhurst MJ, Kelly JD, Miller A, Semper A, Bailey D, Gropelli E, Simpson A, Brooks T, Hula S, Nyoni W, Sankoh AB, Kanu S, Jalloh A, Ton Q, Sarchet N, George P, Perkins MD, Wonderly B, Murray M, Pollock NR. **ReEBOV Antigen Rapid Test kit for point-of-care and laboratory-based testing for Ebola virus disease: a field validation study.** Lancet. 2015 Aug 29;386(9996):867-74. doi: 10.1016/S0140-6736(15)61042-X. Epub 2015 Jun 25.

Available from: <http://www.sciencedirect.com/science/article/pii/S014067361561042X>

Turtle L, Jung A, Beeching NJ, Cocker D, Davies GR, Nicolson A, Beadsworth MB, Miller AR, Solomon T. **An integrated model of care for neurological infections: the first six years of referrals to a specialist service at a university teaching hospital in Northwest England.** BMC Infectious Diseases. 2015 Sep 24;15(1):387. doi: 10.1186/s12879-015-1109-3.

Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4581475/>

Jackson AP, Goyard S, Xia D, Foth BJ, Sanders M, Wastling JM, Minoprio P, Berriman M. **Global Gene Expression Profiling through the Complete Life Cycle of Trypanosoma vivax.** PLOS Neglected Tropical Diseases. 2015 Aug 12;9(8):e0003975. doi: 10.1371/journal.pntd.0003975. eCollection 2015.

Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4534299/>

Acknowledging the NIHR HPRU in Publications

Acknowledging the NIHR HPRU is vital as we need to capture all your relevant work. If it says NIHR HPRU in the address it counts, and if it doesn't say it, it doesn't count: simple! Please do remember to acknowledge the NIHR HPRU - even if the work is not directly completely funded by the unit, you are supported by the unit in some form or other. This acknowledgement is one of the requirements of being a member of the NIHR HPRU, and is stipulated by the NIHR. **If you have published, but it has not been listed here, please let us know about it!**

GRANT SUCCESS

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

Name	Details	Funder	Award
Dr Rob Christley	Improving the management of obesity in horses through qualitative research	The Horse Trust	£96,495
Dr Mike Griffiths	NIMBI feasibility study -Non-invasive measurement of intracranial pressure and cerebral oxygenation in	Alder Hey Children's Charity	£1,500

	paediatric brain injury protocol		
Professor Tom Solomon	The pathophysiology and outcome of HIV-associated vasculopathy and stroke in sub-Saharan Africa.	Wellcome Trust	£201,388
Professor Tom Solomon	Research Capability Funding: Sylviane Defres	The Walton Centre NHS Foundation Trust	£9,923.25
Professor Steve Torr	Reducing the risk to livestock and people programme associated studentships	ZELS-AS (Zoonoses and Emerging Livestock Systems)	£94,122
Professor Nicola Williams	The emerging problem of antimicrobial resistance in equines: Investigating carriage and infections with multidrug resistant bacteria in horses	The Horse Trust	£221,328

NEW MEMBERS

- **Dr Hannah Brindle**, Wellcome Trust Clinical PhD Fellow, Wellcome Trust Liverpool Glasgow Centre for Global Health Research, University of Liverpool
- **Dr Cyril Caminade**, Department of Epidemiology and Population Health, Institute of Infection and Global Health, University of Liverpool
- **Dr Jackie Duggan**, Principal Scientist, Special Initiatives, Rare and Imported Pathogens Laboratory, Microbiology Services, Public Health England (Porton Down)
- **Dr Lisa Jameson**, Senior Scientist - Diagnostic Support, Rare and Imported Pathogens Laboratory, Public Health England (Porton Down)
- **Dr Jane Osborne**, Healthcare Scientist/Clinical Scientist, Rare and Imported Pathogens Laboratory, Public Health England (Porton Down)
- **Dr Fernando Sanchez-Vizcaino-Buendia**, Principal Epidemiologist, SAVSNET, Institute of Infection and Global Health, University of Liverpool
- **Dr Amanda Semper**, Scientific Programmes Manager, Public Health England (Porton Down)
- **Dr Manjunatha Venkataswamy**, Senior Scientific Officer, Department of Neurovirology, National Institute of Mental Health and Neurosciences (NIMHANS)
- **Dr Richard Vipond**, General Project Manager and Rare and Imported Pathogens Laboratory Operations Manager, Public Health England (Porton Down)
- **Professor Jonathan Wastling**, Pro-Vice Chancellor and Executive Dean, Faculty of Natural Sciences, University of Keele

SUBMIT YOUR NEWS

If you have any items for inclusion in the next newsletter please send them to hpruezi@liv.ac.uk