

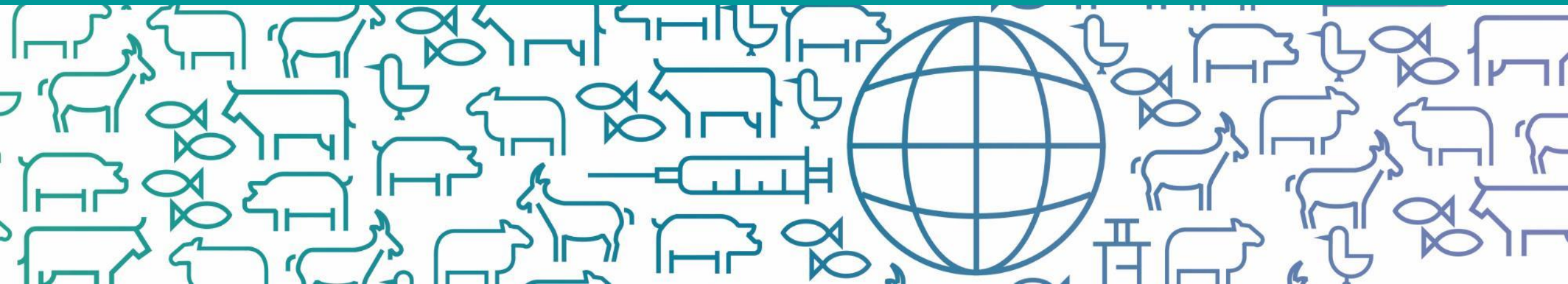
# International Veterinary Vaccinology Network

Dr. Carly Hamilton

22<sup>nd</sup> May 2018

[www.intvetvacnet.co.uk](http://www.intvetvacnet.co.uk)

@IntVetVaccNet



# International Veterinary Vaccinology Network (IVVN)

- Launched in August 2017 after receiving £2.2 million from the MRC/BBRSC/GCRF
- The IVVN will facilitate the formation of international collaborations to improve vaccine design and development for livestock and zoonotic diseases in low-and-middle income countries (LMICs).
- We will bring together individuals from across the fields of veterinary and human vaccinology, irrespective of pathogen or species of interest, with the aim of addressing key bottlenecks that are preventing vaccine development for important pathogens of livestock in LMICs.



Dr. Tim Connelley

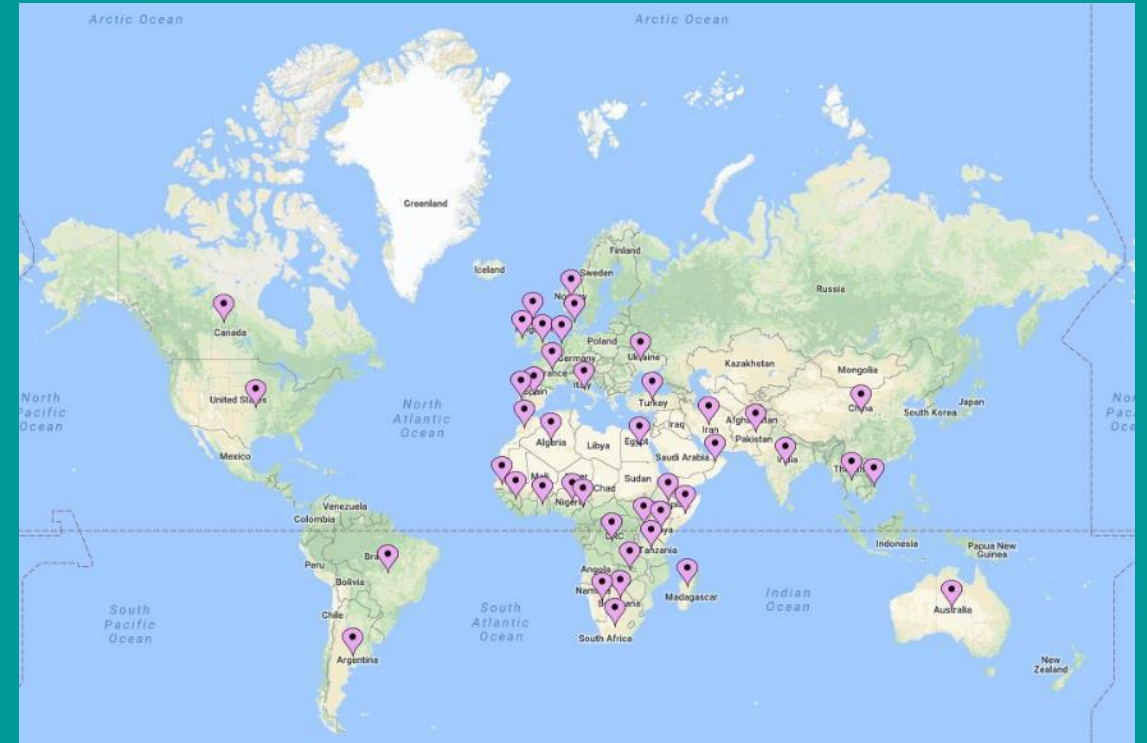


Dr. Bryan Charleston

# Membership

## Membership benefits:

- Access to potential collaborators from across the fields of veterinary & human vaccinology
- Networking Opportunities (annual conferences and workshops)
- Eligible to apply for scholarships
- Catalyst Funding (£100k pump-priming grants & 10k laboratory exchange awards)
- Notification of news, events, training, funding and publications of interest via our website, social media, and monthly newsletters



*The IVVN has welcomed **375** members from across **43** countries, and **56%** of our members are from LMICs.*

*New members are very welcome!*

*[www.intvetvaccnet.co.uk](http://www.intvetvaccnet.co.uk)*

# IVVN Networking Activities: Annual Scientific Meetings

First meeting of the IVVN, Nairobi, 26<sup>th</sup> & 27<sup>th</sup> March 2018

- Four themes:
  - Vaccines for Zoonotic Diseases
  - Veterinary Vaccine Production in Africa
  - Synthetic Biology in Vaccine Development
  - Livestock Vaccines Here & Now
- 115 delegates from 23 countries
- 27 scholarships were awarded for researchers from LMICs to attend
- 10 scholarships were awarded for early career researchers from the UK to attend
- Full meeting report and presentations are available on our website



**SAVE THE DATE: UK & International Veterinary Vaccinology Network Conference,  
9<sup>th</sup> & 10<sup>th</sup> January 2019, London**

# IVVN Networking Activities: Workshops

## IVVN Workshop Call (Open Call):

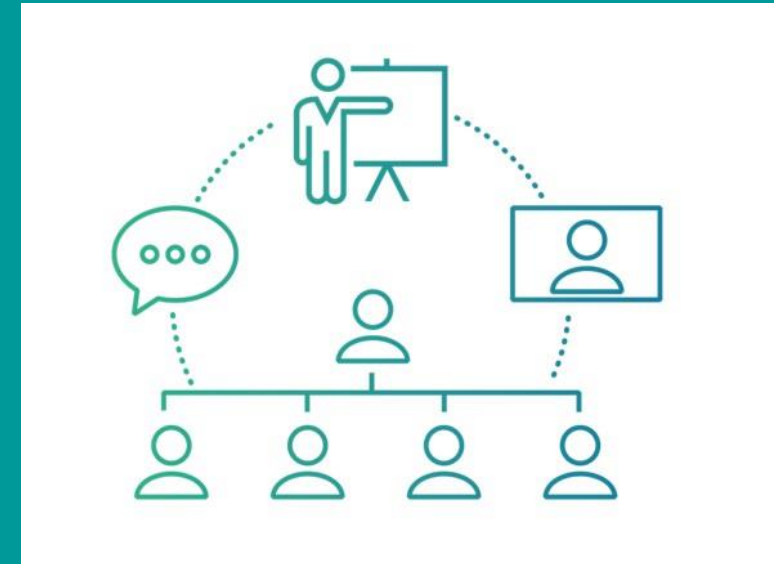
- IVVN members can apply to host workshops on specific topics of their choice
- Funding will cover host costs, bursaries and scholarships

## IVVN Workshops:

- IVVN Grant Writing Workshop, 25<sup>th</sup> March 2018, Nairobi

## Fund LMIC researchers to attend external workshops:

- 19th Fish Immunology Workshop, Wageningen University & Research, April 29 - May 3 2018
- 6<sup>th</sup> European Veterinary Immunology Workshop, Utrecht, 5-7<sup>th</sup> September 2018
- Comparative and Veterinary Immunology Group : Frontiers in human and veterinary antibody discovery, The Pirbright Institute, 26<sup>th</sup> & 27<sup>th</sup> November 2018





# IVVN Catalyst Funding: Pump-priming grants

The IVVN will fund pump-priming grants (up to £100,000 per project) that aim to address a key bottleneck preventing the development of veterinary vaccines.

## **1) Development of immunological tools for monitoring the immune response of Nile tilapia**

Professor Kim Thompson, Dr. Frederic Fellouse, Professor Alexandra Adams, Dr. Alasdair Nisbet, Dr. Hoang Nguyen, Dr. Nguyen Ngoc Phuoc & Professor Ruth Zadoks

## **2) Low-cost thermostabilisation of a Rift Valley Fever vaccine for veterinary use**

Dr. George Warimwe, Dr. Alexander D. Douglas & Dr. Michael J. Francis

## **3) A single dose vectored *Taenia solium* vaccine**

Professor Adrian Hill, Professor Marshall Lightowlers & Dr. Bryan Charleston

**The second call for IVVN Pump-Priming Grant Applications is open!**

**Application deadline: 2<sup>nd</sup> July 2018.**

# IVVN Catalyst Funding: Laboratory Exchange Awards

- Laboratory Exchange Awards of up to £10,000 are available
- Facilitate transfer of technological experience between laboratories in the Network and/or allow specialised proof-of-concept pieces of work to be conducted by IVVN members
- Awards will cover transport and accommodation for the visiting researcher, and consumables in the laboratory of the hosting researcher



**The first call for IVVN Laboratory Exchange Award Applications is open!**  
**Application deadline: 1<sup>st</sup> June 2018.**

# Information Dissemination

## Website



Become a member of the International Veterinary Vaccinology Network

Join the Network to improve vaccine design & delivery for significant pathogens of livestock in LMICs.

Welcome

News

Publications

Welcome to the International Veterinary Vaccinology Network (IVVN).

The aim of the IVVN is to facilitate the formation of collaborations to improve vaccine design and development for major livestock and zoonotic diseases in low-and-middle income countries (LMICs).

The Network is funded by the GCRF Networks in Vaccines Research and Development Initiative which is co-funded by the MRC and BBSRC.

About us

Membership benefits

**IVVN Workshop Funding**  
11th May 2018

**Launch of the Innovative Veterinary Solutions for Anti-Microbial Resistance (InnoVet-AMR) Initiative**  
9th May 2018

**Open Consultation: Bovine TB Strategy Review 2018**  
3rd May 2018

**World Animal Vaccination Day**  
20th April 2018

**Multisectoral prioritization of zoonotic diseases in Uganda, 2017: A One Health perspective.**

**Map Existing Initiatives in STAR-IDAZ IRC Working Group Fields**

**The History of In Vivo Tuberculin Testing in Bovines: Tuberculosis, a "One Health" Issue**

**Correlates of protective immunity for fish vaccines**

[See all publications](#)

[www.intvetvaccnet.co.uk](http://www.intvetvaccnet.co.uk)

## Twitter



**IVVN**  
@IntVetVaccNet


Tweets **557**

Following **336**

Followers **340**

[@IntVetVaccNet](https://twitter.com/IntVetVaccNet)

## Newsletters




International Veterinary Vaccinology Network

A warm welcome to the March 2018 edition of the IVVN Newsletter.

**Additional ISCF Funding**

We are delighted to announce we have been awarded £600k of additional funding from The Industry Strategy Challenge Fund (ISCF) to strengthen links between academia and industry. [Read more](#)




**Laboratory Exchange Award Call Open**

Awards of up to £10,000 are available to allow IVVN members to transfer expertise between laboratories. For more information, and to apply, please click [here](#). Applications close: 1st June 2018.

**International Women's Day**

The IVVN aim to engage, encourage and support female scientists working on the development of



[IVVN@roslin.ed.ac.uk](mailto:IVVN@roslin.ed.ac.uk)



# Additional Funding from the Industry Strategy Challenge Fund (ISCF)

The IVVN was awarded an additional £600,000 of funding from the ISCF in March 2018

## Activities:

- Recruitment of an Industrial Liaison Officer & formation of a Veterinary Vaccinology Information Database
- Funding pump-priming projects with an industrial component
- IVVN Vaccinology Course, Bangkok, December 2018
- Fellowships for female researchers in LMICs



# MRC/BBSRC GCRF Vaccine R&D Networks



VALIDATE (Vaccine development for complex intracellular neglected pathogens)  
<http://www.validate-network.org>



The Human Infection Challenge (HIC-Vac) Network  
<https://www.hic-vac.org>



Bacterial Vaccines (BactiVac) Network  
[www.birmingham.ac.uk/bactivac](http://www.birmingham.ac.uk/bactivac)



Immunising pregnant women and infants (IMPRINT) Network  
<http://www.imprint-network.co.uk/>

# Acknowledgements

- Dr Tim Connelley & Dr Bryan Charleston
- IVVN Network Management Board
  - Prof Brian Perry (Afrique One Aspire)
  - Dr Baptiste Dungu (MCI Sante Animale)
  - Prof Adrian Hill (Jenner Institute)
  - Prof Fiona Tomley (RVC)
  - Dr Vish Nene (ILRI)
  - Dr Jeremy Salt (GALVmed)
  - Prof Sandra Adams (University of Stirling)
  - Dr George Warimwe (KEMRI)
  - Dr Pip Beard (The Pirbright Institute)
  - Dr Mike Francis (Biovacc Consulting)
- Clare Neilson & Nicola Lowe
- **Madeleine Clark**

