

NIVA & AVSPNI Joint Autumn Meeting

Wednesday 26th October - 2.45pm
Hilton Hotel, Templepatrick

“The Microbiome”

Livestock microbiomes and planetary health

- Rumen contents - bacteria, protozoa, fungi, archaea and viruses - and climate change.
- Innovative methane mitigation strategies including breeding programs and dietary interventions
- The rumen microbiome and AMR - the risk to animal and human health and, conversely, the rumen microbiome as a source of novel antimicrobials with potential to be developed to combat disease.



Dr Linda Oyama

The Microbiome Revolution

- What is the gut microbiome and how is it shaped/ influenced?
- What do we know about the canine/feline microbiome?
- How can we harness the microbiome for new treatment strategies in small animals, with a particular focus on chronic inflammatory gut conditions?



Dr Silke Salavati

Microbiological solutions for issues in large animals

Veterinary practice needs sustainable solutions for treating large animals. Antibiotics are a precious resource to be prioritised for human use so vets need innovative alternatives to treat infection and improve performance.

Colin will cover the development of novel microbial solutions (probiotics, postbiotics) for common diseases such as bovine mastitis and porcine salmonellosis.



Prof Colin Hill

Please e-mail info@vetni.co.uk or visit the VetNI website to register for this event

Cost: £25 including dinner for AVSPNI/NIVA members

(subject to attendance)

Non-members £60 (£25 dinner + £35 CPD)

Speakers' Biographies



Dr. Linda Oyama is an enthusiastic Molecular Microbiologist with a First Class Degree in Microbiology, an MSc (by Research) in Molecular and Cellular Biology from the University of Leeds, and a PhD in Biological Sciences from Aberystwyth University, United Kingdom.

Linda's PhD research was focused on prospecting rumen bacteria for novel antimicrobial compounds using metagenomic and bioinformatic approaches. Her MSc research focused on understanding the mode of action of antimicrobials, especially silver nitrate in *Staphylococcus aureus*. Linda's current research involves the use of molecular microbiology, bioinformatics, genomic and metagenomic methods to prospect, develop and optimise gut microbiome derived antimicrobial drug leads as viable alternative therapies for difficult to treat bacterial and fungal infections.



Dr. Salavati has graduated from the Justus-Liebig University in Giessen, Germany, in 2003 and has since specialised in Small Animal Internal Medicine (EBVS® European Veterinary Specialist in Small Animal Internal Medicine, also called Diplomate in ECVIM-CA) with the particular focus on gastroenterology. She has worked in both private and academic referral hospitals in Germany, at the Royal Veterinary College in London and is Senior lecturer at the Royal (Dick) School of Veterinary Studies in Edinburgh since 2016. She has a particular interest in canine inflammatory bowel disease, how this relates to pain and possible effects on behaviour, but also the use of alternative treatments like probiotics, prebiotics and faecal microbiota transplants. She has published over 20 scientific papers in the area, several book chapters and continues to lead and participate in studies "around the dog gut". She is also a member of the Comparative Gastroenterology Society and the past-president of the European Society of Comparative Gastroenterology and speaks at specialist conference as well as CPD events and webinars. In her spare time, she is a passionate baker of sweet treats as well as bread, and loves to explore the Scottish country side with her husband. She has two cats named Marvin and Maisy.



Colin Hill has a Ph.D in molecular microbiology and is a Professor in the School of Microbiology at University College Cork, Ireland. He is also a founding Principal Investigator in APC Microbiome Ireland, a large research centre devoted to the study of the role of the gut microbiota in health and disease. He is particularly interested in the effects of probiotics, bacteriocins, and bacteriophage. He has published more than 600 papers and holds 25 patents. He was president of ISAPP from 2012-2015. More than 80 PhD students have been trained in his laboratory.

Event timetable

- 2.45pm - Arrival & registration
- 3.00pm - Welcome from AVSPNI President, Colin McCrea
- 3.05pm - Dr Linda Oyama
- 3.35 pm - Q&A's
- 4.05pm - Dr Silke Salavati
- 4.35pm - Q&A's
- 5.00pm - Refreshments served
- 5.35pm - Prof Colin Hill
- 6.05pm - Q&A's
- 6.15pm - Closing words from NIVA President, Fiona McFarland
- Dinner served



AVSPNI & NIVA are grateful to Interchem, Provita & Forte for sponsorship of this event



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