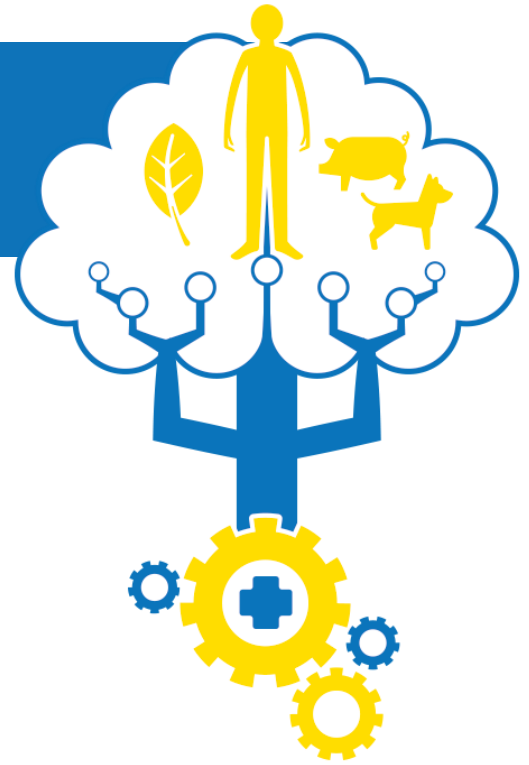


Cross-Health platform kick-off

Wednesday October 14th, 2020



It is our pleasure to invite you to the Cross-Health platform kick-off. This interdisciplinary event targets researchers with an interest in research on health applications and will be moderated by **Piet Hoebeke** (dean Faculty of Medicine and Health Sciences) and **Frank Gasthuys** (dean Faculty of Veterinary Medicine).

Accreditation (section 6: Ethics and Economy) has been obtained.

You can still register:

[Register here](#)

Wednesday October 14, 2020

Preliminary Program

Welcome & Keynote Lecture

- | | |
|---------------|--|
| 13:00 - 13:05 | Welcome and introduction
Frank Gasthuys and Piet Hoebeke
(Deans Faculty of Veterinary Medicine and Faculty of Medicine and Health Sciences) |
| 13:05 - 13:10 | Introduction Cross-Health kick-off
Sven Arnouts (business developer PROVAXS) |
| 13:10 - 13:50 | Keynote on Bio-inspired thinking out of the cross-disciplinary box
Dominique Adriaens (Evolutionary Morphology of Vertebrates)
+ Q&A |

Choice between session 1 and session 2

Session 1: Pathogens, immunity and modelling

Moderator: Frank Gasthuys (Dean Faculty of Veterinary Medicine)

- | | |
|---------------|---|
| 14:00 - 14:10 | Invitation for interdisciplinary collaboration – antimicrobial resistance
Yves Briers, Jan De Waele, Jeroen Dewulf, Tom Coenye, Els Van Mechelen (Faculty of Bioscience engineering, Ghent University Hospital, Faculty of Veterinary Medicine, Faculty of Pharmaceutical Sciences, Research center health technology HOGENT) |
| 14:10 - 14:17 | Antimicrobial resistance interactions in plant, animal and human
Jeroen Dewulf (Unit for Veterinary Epidemiology) |
| 14:18 - 14:25 | Modelling and prediction of (species) interaction
Michiel Stock (Department of Data Analysis and Mathematical Modelling) |
| 14:25 - 14:36 | Q&A + quiz |
| 14:36 - 14:44 | Targeting to aminopeptidase N as a gateway through the gut barrier
Bert Devriendt (Department of Virology, Parasitology and Immunology) |

14:44 - 14:52	The conventional pig as (juvenile) animal model for biomedical research Siska Croubels (Department of Pharmacology, Toxicology and Biochemistry)
14:52 - 15:00	Revolutionary diagnostics for a better control of infections in animals and humans and zoonoses Hans Nauwynck (Department of Virology, Parasitology and Immunology)
15:00 - 15:09	Q&A
15:09 - 15:16	Cross-Health platform: goals and activities

Session 2: Oncology, genetic overlap between species, anxiety, wearables and medical devices in cardiology

Moderator: Piet Hoebeke (Dean Faculty of Medicine and Health Sciences)

14:00 - 14:10	Invitation for Interdisciplinary collaboration – the Veterinary Oncology Network Hilde de Rooster (Small Animal Department)
14:10- 14:17	How the study of spontaneous osteosarcoma in dogs aids dogs as well as children Hilde de Rooster (Small Animal Department)
14:18 - 14:25	Mutual genetic mutations between species and their implications Bart Broeckx (Department of Genetics, Nutrition and Ethology)
14:25 - 14:36	Q&A + quiz
14:36 - 14:52	How anxiety disorders in humans inform dogs and vice versa Kathelijne Peremans, Chris Baeken, Robrecht Dockx, Yangfeng Xu (Department of Medical Imaging of Companion Animals, Department of Head and Skin)
14:53 - 15:00	Rigid and flexible micro electrode arrays and their health applications Jan Vanfleteren (Center for Microsystems Technology)
15:01 - 15:08	Medical device development: an example of human-equine medical tech transfer in cardiology Gunther Van Loon (Department of Internal Disease of Large Companion Animals)
15:08 - 15:17	Q&A
15:17 - 15:24	Cross-Health platform: goals and activities

Break-out sessions (virtual reception table)

15:30 - 16:00	Host-specificity of pathogens and inter-species infections
15:30 - 16:00	Vaccine platforms
15:30 - 16:00	Antimicrobial resistance and new antimicrobial alternatives
15:30 - 16:00	Genetics and cardiovascular disorders in human and animal
15:30 - 16:00	Wearables/implantable sensors and electronics technologies
15:30 - 16:00	AI in medicine, bioinformatics and data analysis
15:30 - 16:00	Species-specific medicinal chemistry for translational medicine
15:30 - 16:00	Comparative oncology: osteosarcoma