

Pathogens-pathogens and pathogens-microbiome interactions in wildlife: their detection and their influence on zoonotic risks

15-16/11/2022

Académie Polonaise des Sciences
Centre Scientifique à Paris
74 rue Lauriston
75116 Paris

PROGRAMME

15/11/2022

09:00-09:10 REGISTRATION

09:10-09:15 WELCOME SPEECH

Magdalena Sajdak (Polish Academy of Sciences Scientific Center in Paris)
Maciej Grzybek (Medical University of Gdańsk)

09:15-09:30 Nathalie Charbonnel (INRAE-CBGP)

BioRodDis, where are we now? Objectives of the meeting

Session 1: Ecology and evolution of rodent borne viruses

09:30-10:15 Invited speaker: Meriadeg Le Gouil (Caen-Normandy University)

Coronaviruses' diversity and evolution Beyond the N-body problem

10:15-10:45 Lara Ambrosio Leal Dutra (University of Helsinki)

Elena Sgarabetto (University of Helsinki)
Coronaviruses' diversity in European rodents

10:45-11:15 Sophie Gryseels (University of Antwerp)

Bats and coronaviruses in Belgium

11:15-11:35 COFFEE BREAK

11:35-12:05 Hussein Alburkat (University of Helsinki)

Guillaume Castel (INRAE-CBGP)
Detection and genetic characterization of Seoul virus in Lyon, France

12:05-12:35 Joanna Nowicka (Medical University of Gdańsk)

Molecular characterization of Toxoplasma gondii in sylvatic rodents in Poland

12:35-13:35 LUNCH BREAK

13:35-14:20 Invited speaker: Julien Gasparini
(Institute of Ecology and Environmental Sciences IEES-Paris)
Urban ecology and parasitism

14:20-14:35 DISCUSSION

Session 2: Biodiversity and zoonoses

14:35-15:05 Benjamin Roche (MIVEGEC)
Nathalie Charbonnel (INRAE-CBGP)
Concepts & predictions about the dilution/amplification effect

15:05-15:35 Vincent Sluydts (University of Antwerp)
Biodiversity and zoonoses relationships over Europe

15:35-15:50 DISCUSSION

15:50-16:10 COFFEE BREAK

Session 3: Biotic and abiotic drivers of gut microbiome variations

16:10-16:40 Marie Bouilloud (INRAE-CBGP, MIVEGEC)
Rodent gut microbiota variations along an anthropisation gradient

16:40-17:10 Romain Gallet (INRAE-CBGP)
Rodent gut microbiota variations during biological invasion

17:10-17:25 DISCUSSION

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09:00-09:15 REGISTRATION

Session 4: Practices, knowledge and risk management

09:15-09:45 Isabelle Arpin (LESSEM)
Questionnaires' results from France

09:45-11:00 Isabelle Arpin (LESSEM)
Workshop stakeholders' engagement: who, how, difficulties and levers

11:00-11:15 DISCUSSION

11:15-11:35 COFFEE BREAK

Session 5: Eco-epidemiology of rodent borne pathogens

- 11:35-12:05 Andrew McManus (Munster Technological University)
A longitudinal investigation into pathogens during a biological investigation
- 12:05-12:35 Jasmin Firozpoor (University of Potsdam)
Pathogen communities and behaviour in wild rodents
- 12:35-13:05 Valeria Colombo (University of Antwerp)
Rodent-borne pathogens assembly in different landscapes in Belgium
- 13:05-13:35 Marta Garcia-Lopez (Pasteur Institute, Veterinary School VetAgro Sup)
Leptospirosis in urban parks, genetic diversity and ecoepidemiology
- 13:35-14:35 LUNCH BREAK
- 14:35-16:00 WORKSHOP
Data analyses and statistics
- 16:00-16:45 GENERAL DISCUSSION
Deliverables & priorities for the 12 months to come
- 16:45-17:00 CLOSING REMARKS