**New research direction in microbiology**

**15th of November**

**Target group:**PhD candidates. The group is limited to 15 participants.

**Prerequisites:** This workshop has no prerequisites other than working knowledge of English.

**Location:**GIGA J-M Ghuysen large room, B34 +5

**Course duration:** 1 day

**Educators:**

Laurent Gillet (course coordinator) FARAH, Catherine Sadzot (GIGA I3), M. Garigliany, A. Vanderplasschen, B. Machiels; B. Dewals - FARAH

**Schedule**

**Part I.**

**9:00- 10:00** Viruses as therapeutic agents against cancer. *C. Sadzot*

**10:00 – 11:00** Detection and management of emerging zoonotic agents in animal populations. *M. Garigliany*

**11:00 – 11:15 Break**

**11:15 – 12:15** The virus, the fish and the firefly: illustration of the potential of in vivo Imaging systems for the study of host-pathogen interactions. *A. Vanderplasschen*

**12:15- 13:15 Break**

**Part II. Training of the innate immune system by microorganisms and parasites.**

 *L. Gillet; B. Machiels; B. Dewals*

**13:15- 14:15** Introduction to trained immunity

**14:15-15:15**Molecular mechanisms of trained immunity

**15:30-16:30**Unconventional memory T cells: from innate to virtual memory