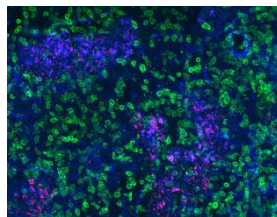
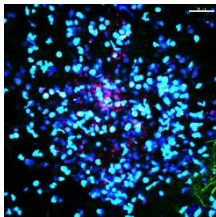


State-of-the-art platform for fighting against infectious diseases

New drugs and vaccines are needed in the field of infectious diseases. Regulatory, sanitary and ethical constraints impose that experimentations in this field are performed under strict conditions. The ANINFIMIP platform provides cutting-edge facilities and high-level support from expert scientists.

DESCRIPTION*

- High-standard, high-security animal (BSL3) facilities for mice housing (235 cages)
- Facilities suited for experimental animal infection, anesthesia, microsurgery, histopathology of infected tissues functional or phenotypic analysis, culture of euka/prokaryotic cells
- State-of-the-art imaging equipment within BSL3 facilities for monitoring physiological parameters and functional exploration of the immune and pathogen response:
 - Multiparametric flow cytometry and cell sorting systems
 - Live microscopy at the cellular (spinning disk microscope) and whole organ levels (multiphoton microscopy)
 - Thin sections of live infected tissues (vibratome technique)
- Types of provided services:
 - Pay-for-use: customer has a full access to the facility
 - All inclusive: platform runs the experiments based on customer's full specifications
 - Top-up expertise: specific advice on any part of the study



Imaging of live lung tissue with bacterial infection (red).

EXAMPLES OF AVAILABLE EXPERTISE

- *M. tuberculosis* associated expertise: advice on genetics, strains and genotypes, mutant library available, lipidomics and glycomics, co-infections (e.g. HIV)
- Various pulmonary infectious models upon request, microbiological and immunological infection analysis *in vivo*

COMPETITIVE ADVANTAGES

- Phenotypic and functional monitoring of infected live tissues and cells (eukaryotic & prokaryotic)
- Scientific advice and support of renown scientists in the fields of tuberculosis, intracellular pathogens and pulmonary infections

APPLICATIONS

- Test of vaccine or drug efficacy against BSL2 & BSL3 pathogens *in vivo*
- Determination of the phenotype and functions of cell populations (prokaryotic & eukaryotic) directly harvested from infected or vaccinated animals, without the need for chemical/physical inactivation
- Histopathology
- Live imaging of infected cells and tissues

LABORATORY



CONTACT

T. +33 (0)5 62 25 50 60
sante@toulouse-tech-transfer.com
www.toulouse-tech-transfer.com