

"Infectious diseases"

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Molecular Parasitology unit;

Microbiological and Clinical unit;

Laboratory of Medical Microbiology and Infectious Diseases.

School of Biosciences and Veterinary Medicine

Teacher-researcher / postdocs, PhD and master students: 30%/70%



Research Day UNICAM
Camerino 12 dicembre 2024



Characterizing studies

- 1) Monitoring and control of insect vectors (mainly mosquitoes and sandflies) and diseases they transmit (malaria, dengue, leishmaniasis)
- 2) Antibiotic resistance and its diffusion in human settings and in aquatic environments
- 3) Epidemiology and control of animal and environmental microorganisms (bacteria and viruses) and antimicrobial resistance in a One Health approach

National Impact: The research conducted by groups working in the field of infectious diseases has a significant national impact in the territorial (regional and national) monitoring of infections (bacterial, viral and parasitic) and which also translates into the involvement of Unicam "researchers" in the "*regional surveillance plan on arbovirosis*" and in the monitoring of antibiotic resistance spread and evolution.

International Impact: Furthermore, the research has a significant international impact as it contributes to the control of pandemic diseases (such as malaria or dengue) or other global threats (such as antibiotic resistance). All this is demonstrated by the numerous ongoing collaborations and the funding obtained.

Sources of funding:

EU (ERC, Infrastructure)

EMBO organisation

Ministerial (MUR Prin, Furb, MAECI)

Private donations

Third party diagnostic service in Infectious diseases

Relations with SME:

Think Green Technologies R&D srl. Montegranaro (FM)

ID.Vet Innovative Diagnostics, Grabels, France

Esino Incubazioni, Matelica, Italia

International collaborations:

Johns Hopkins University, Baltimore, USA
Duquesne University, Pittsburgh, USA
Imperial College, London, UK
University of Glasgow, UK
IMBB, Crete, Greece
Sao Paulo State University, Brasil
Universidad Peruana de Ciencias Aplicadas (UPC), Lima, Perú
University of Ngaoundere, Ngaoundéré, Cameroon
Jagiellonian University, Kraków, Poland
Veterinary Research Institute Brno, Czech Republic
Kitasato University, Towada, Aomori, Japan
University of Instambul, Turkey
Federal University of Minas Gerais, Belo Horizonte, Brazil
University of California, Davis, CA, USA

Roles in scientific societies/Networks/Research centers:

Direction of the Italian Malaria Network;

Member of the European Society of Clinical Microbiology and Infectious Diseases;

Member of EBVS® - Specialist ECVI European College of Veterinary Microbiology;

Member ENOVAT - European Network for Optimization of Veterinary Antimicrobial Treatment

