



## RESEARCH TOPIC CLI10

### Clinical applications of Innovative diagnostics for antimicrobial stewardship

**Research Area**

Medical

**Clinical Unit name**

Infectious Diseases

**Supervisor**

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**Abstract**

Rapid and innovative microbial diagnostics approaches are key determinants in achieving early adequate treatment and reducing unnecessary and inappropriate prescriptions. Yet, their sustainable integration into clinical practice is extremely challenging, and requires an extensive collaboration among researchers, industry, clinical microbiologists, infectious disease and other clinical specialists and hospital management on a heterogeneous variety of clinical settings.

This project will develop and investigate novel microbiological strategies to integrate effective diagnostic and antimicrobial stewardships into clinical practice, thereby optimizing preventive and intervening measures to improve clinical outcome and slow the spread of antibiotic resistance genes and bacteria.

**Scientific references**

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### **Type of contract**

Contract for continuative and coordinated service of at least € 26.000 activated Istituto Clinico Humanitas. This sum is subject to IRPEF income tax.

Contratto collaborazione coordinata e continuativa (cococo) pari ad almeno € 26.000 annui lordi attivato da Istituto Clinico Humanitas. Importo soggetto a tassazione IRPEF.