

DOTTORATO DI RICERCA IN MEDICINA TRASLAZIONALE

PhD Course Sepsis: from bench to bedside Prof. Emanuele Durante Mangoni

Title	<i>Sepsis: from the bench to the bedside</i>
MAIN RESEARCH TOPIC	<i>Infectious diseases</i>
Final learning check	Written test with 10 questions and multiple choice answers with 1 correct
Overview	<p><i>Sepsis is a major and incident clinical syndrome characterised by a complex pathophysiology. It is considered as the common final pathway of many infections, mostly but not exclusively bacterial, and a major cause of death worldwide, both in hospital and the community.</i></p> <p><i>Sepsis pathophysiology entails several mechanisms of immune and inflammatory reactions and comprises numerous drivers, including a genetic predisposition, host age and comorbidities, microbial virulence factors, and immune-aging. It therefore holds a distinct translational and multidisciplinary significance and represents a topic of broad interest across a range of biomedical areas. In light of the involvement of many of our PhD students in clinically oriented research and activity, also clinical aspects of Sepsis will be addressed in this educational course.</i></p>
Note	<i>This educational proposal involves 5 Seminars of 2 hours each that will be taught in English to foster participation and involvement of international students registered to our PhD program.</i>

Day	Time	Lesson title
June 5, 2023	3 - 5 pm	Lesson 1: Etiology and microbiology of sepsis
June 12, 2023	3 - 5 pm	Lesson 2: Pathophysiology of sepsis
June 19, 2023	3 - 5 pm	Lesson 3: Predisposing conditions and endotypes
June 26, 2023	3 - 5 pm	Lesson 4: Clinical recognition and diagnosis
July 3, 2023	3 - 5 pm	Lesson 5: Treatment of sepsis