

University of Naples Federico II (ITALY)
School of Medicine
ENGLISH COURSE IN MEDICINE AND SURGERY

ADE (Educational Elective Activity)
5th year, academic year 2025-26

**SELECTED TOPICS AT THE INTERFACE BETWEEN CELL
BIOLOGY AND MEDICINE**

Coordinator: Prof. Simona Paladino (spaladin@unina.it)

European Credit Transfer and Accumulation System = 2

Educational contents of the course:

Understanding the biological mechanisms that underlie cellular functions and how they ensure homeostasis of the human body and, conversely, how alterations of such mechanisms result in a pathological condition is the basis of modern molecular medicine. Therefore, learning the current advancement of biomedical research is of paramount importance for the development of novel therapeutic strategies as well as for the identification of diagnostic and prognostic markers of disease. This course is designed to provide medical students with understanding the scientific method, including experimental design and critical assessment of the scientific literature, and with learning the experimental methodologies for biomedical research. Moreover, the Course will offer an invaluable opportunity to discuss scientific issues on current hot topics of medicine research (cancer, neurodegenerative diseases/neurological disorders), learning the link between cellular alterations and disease states.

Faculty	Position	Department	Scientific field	Hours	e-mail
Simona Paladino	Full professor	Molecular Medicine and Medical Biotechnology	Cell biology (BIOS-10A ex BIO13)	2	spaladin@unina.it
Maria Vittoria Barone	Associate professor	Translational Medical Sciences	Cell biology BIOS-10A ex BIO13)	2	Mariavittoria.barone@unina.it
Andrea Conte	Researcher (RTDA)	Molecular Medicine and Medical Biotechnology	Cell biology (BIOS-10A ex BIO13)	2	Andrea.conte@unina.it
Antonella Izzo	Researcher (RTDB)	Molecular Medicine and Medical Biotechnology	Cell biology BIOS-10A ex BIO13)	2	Antonella.izzo@unina.it
Diego L. Medina	Associate professor	Translational Medical Sciences	Cell biology BIOS-10A ex BIO13)	2	diegoluis.medinasanabria@unina.it
Giuseppe Merla	Full professor	Molecular Medicine and Medical Biotechnology	Molecular biology (BIOS-08A ex BIO11)	2	giuseppe.merla@unina.it
Daniela Sarnataro	Associate professor	Molecular Medicine and Medical Biotechnology	Cell biology BIOS-10A ex BIO13)	2	sarnataro@unina.it
Chiara Zurzolo	Associate professor	Molecular Medicine and Medical Biotechnology	Cell biology BIOS-10A ex BIO13)	2	zurzolo@unina.it
Rossella Vneditti	Researcher (RTDA)	Molecular Medicine and Medical Biotechnology	Cell biology BIOS-10A ex BIO13)	2	rosella.venditti@unina.it

Meetings:

April 1, 2026, from 9.30 to 11.30, Building 20th, Room C: C. Zurzolo

April 30, 2026, from 9.30 to 11.30, Building 20th, Room C: G. Merla

May 6, 2026, from 9.30 to 11.30, Building 20th, Room C: A. Izzo

May 13, 2026, from 9.30 to 11.30, Building 20th, Room C: D. Sarnataro

May 15, 2026, from 9.30 to 11.30, Building 20th, Room C: S. Paladino

May 22, 2026, from 9.30 to 11.30, Building 20th, Room C: D. Medina

June 10, 2026, from 9.30 to 11.30, Building 20th, Room C: R. Venditti

June 11, 2026, from 9.30 to 11.30, Building 20th, Room C: A. Conte

June 11, 2026, from 12.00 to 14.00, Building 20th, Room C: M.V. Barone