



UNIVERSITÀ
CATTOLICA
del Sacro Cuore

SUMMER 2025

COURSE NAME: Eukaryotic Cell Biology

Prof. Wanda Lattanzi, Lorena Di Pietro, Federica Tiberio, Elvira Ragozzino,
Diego Sibilia, Flavia Giacalone, Alessia Vita

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Week 1	JUNE 23	JUNE 24	JUNE 25	JUNE 26	JUNE 27	JUNE 28	JUNE 29
	9:30 – 12:30 Orientation session <i>Classroom:</i> <i>Aula Bausola@Polo</i> 14:30-16:30 Course introduction (Wanda Lattanzi, Lorena Di Pietro) <i>Classroom:</i> <i>Aula 5@Polo</i> 16:30-18:30 Research laboratory site visit (Diego Sibilia, Alessia Vita)	9:30-11:30 Cell theory and eukaryotic cell nucleus (Lorena Di Pietro) <i>Classroom:</i> <i>Aula 5@Polo</i> 11:30-13:30 Plasma membrane and transport mechanisms (Wanda Lattanzi) <i>Classroom:</i> <i>Aula 5@Polo</i>	10:30-12:30 Site visit to research facilities (Alessia Vita, Flavia Giacalone) 13:30-15:30 Virtual laboratory simulation on cell structures 1 (Diego Sibilia) <i>Classroom:</i> <i>Lab informatica@Polo</i> 15:30-17:30 Virtual laboratory simulation on PCR (Federica Tiberio) <i>Classroom:</i> <i>Lab informatica@Polo</i>	9:30-11:30 Cytoplasm structures – part 1 (Wanda Lattanzi) <i>Classroom:</i> <i>Aula 5@Polo</i> 11:30-13:30 Cell cycle and division (Lorena Di Pietro) <i>Classroom:</i> <i>Aula 5@Polo</i>	FREE	FREE	FREE

Week 2	JUNE 30	JULY 1	JULY 2	JULY 3	JULY 4	JULY 5	JULY 6
	11:30-13:30 Cytoplasm structures – part 2 (Lorena Di Pietro) <i>Classroom:</i> <i>Aula Iazzati @Polo</i> 14:30-16:30 Virtual laboratory simulation on cell structures (Diego Sibilìa) <i>Classroom:</i> <i>Lab Informatica@Polo</i>	9:30-11:30 Microscopy laboratory (Federica Tiberio) <i>Classroom:</i> <i>Lab Microscopia1 @Polo</i> 11:30-13:30 Virtual laboratory simulation on DNA, RNA and Proteins (Elvira Ragozzino) <i>Classroom:</i> <i>Lab linguistico@Polo</i>	9:30-11:30 Extracellular matrix and cell-cell junctions (Wanda Lattanzi) <i>Classroom:</i> <i>Aula 5@Polo</i> 11:30-13:30 Virtual laboratory simulation on Mitosis and Meiosis (Elvira Ragozzino) <i>Classroom:</i> <i>Lab linguistico@Polo</i> 14:30-16:30 Virtual laboratory simulation on cellular respiration and transport mechanisms (Diego Sibilìa) <i>Classroom:</i> <i>Lab linguistico@Polo</i>	9:30-11:30 Laboratory group 1: cell isolation and culture (Flavia Giacalone) <i>Classroom:</i> <i>Lab L3@Istituti Biologici</i> 11:30-13:30 Laboratory group 2: cell isolation and culture (Elvira Ragozzino) <i>Classroom:</i> <i>Lab L3@Istituti Biologici</i>	FREE	FREE	FREE

Week 3	JULY 7	JULY 8	JULY 9	JULY 10	JULY 11	JULY 12	JULY 13
	9:30-11:30 The flow of genetic info (Lorena Di Pietro) <i>Classroom:</i> <i>Aula 5@Polo</i>	9:30-11:30 Laboratory group 1: cell differentiation (Federica Tiberio) <i>Classroom:</i> <i>Lab L3@Istituti</i> <i>Biologici</i> 11:30-13:30 Laboratory group 2: cell differentiation (Alessia Vita) <i>Classroom:</i> <i>Lab L3@Istituti</i> <i>Biologici</i>	9:30-11:30 Laboratory group 1: RNA isolation (Diego Sibilìa) <i>Classroom:</i> <i>L3@Istituti Biologici</i> 11:30-13:30 Laboratory group 2: RNA isolation (Flavia Giacalone) <i>Classroom:</i> <i>L3@Istituti Biologici</i>	free	9:30-11:30 Final assessment part 1 (Lorena Di Pietro, Wanda Lattanzi) <i>Classroom:</i> <i>Aula 5@Polo</i> 11:30-13:30 Final assessment part 2 (Lorena Di Pietro, Wanda Lattanzi) <i>Classroom:</i> <i>Lab</i> <i>linguistico@Polo</i>	FREE	FREE