



UNIVERSITÀ  
CATTOLICA  
del Sacro Cuore

## SUMMER 2025

COURSE NAME: Eukaryotic Cell Biology

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

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| Week 2 | JUNE 30                                                                                                                                                                                                                                                                                         | JULY 1                                                                                                                                                                                                                                                                                          | JULY 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | JULY 3                                                                                                                                                                                                                                                                                                                       | JULY 4     | JULY 5  | JULY 6  |
|        | <p><b>11:30-13:30</b><br/>Cytoplasm structures – part 2<br/>(Lorena Di Pietro)<br/><i>Classroom:</i><br/><i>Aula Iazzati @Polo</i></p> <p><b>14:30-16:30</b><br/>Virtual laboratory simulation on cell structures<br/>(Diego Sibilia)<br/><i>Classroom:</i><br/><i>Lab Informatica@Polo</i></p> | <p><b>9:30-11:30</b><br/>Microscopy laboratory (Federica Tiberio)<br/><i>Classroom:</i><br/><i>Lab Microscopia1 @Polo</i></p> <p><b>11:30-13:30</b><br/>Virtual laboratory simulation on DNA, RNA and Proteins<br/>(Elvira Ragozzino)<br/><i>Classroom:</i><br/><i>Lab linguistico@Polo</i></p> | <p><b>9:30-11:30</b><br/>Extracellular matrix and cell-cell junctions<br/>(Wanda Lattanzi)<br/><i>Classroom:</i><br/><i>Aula 5@Polo</i></p> <p><b>11:30-13:30</b><br/>Virtual laboratory simulation on Mitosis and Meiosis<br/>(Elvira Ragozzino)<br/><i>Classroom:</i><br/><i>Lab linguistico@Polo</i></p> <p><b>14:30-16:30</b><br/>Virtual laboratory simulation on cellular respiration and transport mechanisms<br/>(Diego Sibilia)<br/><i>Classroom:</i><br/><i>Lab linguistico@Polo</i></p> | <p><b>9:30-11:30</b><br/>Laboratory group 1: cell isolation and culture<br/>(Flavia Giacalone)<br/><i>Classroom:</i><br/><i>Lab L3@Istituti Biologici</i></p> <p><b>11:30-13:30</b><br/>Laboratory group 2: cell isolation and culture<br/>(Elvira Ragozzino)<br/><i>Classroom:</i><br/><i>Lab L3@Istituti Biologici</i></p> | FREE       | FREE    | FREE    |
| Week 3 | JULY 7                                                                                                                                                                                                                                                                                          | JULY 8                                                                                                                                                                                                                                                                                          | JULY 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | JULY 10                                                                                                                                                                                                                                                                                                                      | JULY 11    | JULY 12 | JULY 13 |
|        | 9:30-11:30                                                                                                                                                                                                                                                                                      | 9:30-11:30                                                                                                                                                                                                                                                                                      | 9:30-11:30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | free                                                                                                                                                                                                                                                                                                                         | 9:30-11:30 | FREE    | FREE    |

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|  | <p>The flow of genetic info<br/>(Lorena Di Pietro)<br/><i>Classroom:</i><br/><i>Aula 5@Polo</i></p> | <p>Laboratory group 1:<br/>cell differentiation<br/>(Federica Tiberio)<br/><i>Classroom:</i><br/><i>Lab L3@Istituti</i><br/><i>Biologici</i></p> <p><b>11:30-13:30</b><br/>Laboratory group 2:<br/>cell differentiation<br/>(Alessia Vita)<br/><i>Classroom:</i><br/><i>Lab L3@Istituti</i><br/><i>Biologici</i></p> | <p>Laboratory group 1:<br/>RNA isolation<br/>(Diego Sibilia)<br/><i>Classroom:</i><br/><i>L3@Istituti Biologici</i></p> <p><b>11:30-13:30</b><br/>Laboratory group 2:<br/>RNA isolation<br/>(Flavia Giacalone)<br/><i>Classroom:</i><br/><i>L3@Istituti Biologici</i></p> |  | <p>Final assessment<br/>part 1<br/>(Lorena Di Pietro,<br/>Wanda Lattanzi)<br/><i>Classroom:</i><br/><i>Aula 5@Polo</i></p> <p><b>11:30-13:30</b><br/>Final assessment<br/>part 2<br/>(Lorena Di Pietro,<br/>Wanda Lattanzi)<br/><i>Classroom:</i><br/><i>Lab</i><br/><i>linguistico@Polo</i></p> |  |  |
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