

**PROGRAM A006 : SYSTEM BIOMEDICINE**

| YEAR | SEMESTER | COMPREHENSIVE COURSE ESSE3 CODE | COMPREHENSIVE COURSE                                      | COURSE ESSE3CODE | Course                           | SSD    | COURSE COORDINATOR | CREDITS | HOURS | PROFESSOR   |               |
|------|----------|---------------------------------|---|------------------|----------------------------------|--------|--------------------|---------|-------|-------------|---------------|
| 1    | I        | MS0468                          | Molecular virology  | MS0468           | Molecular Virology               | MED/07 | X                  | 5       | 30    | GARIGLIO    | Marisa        |
|      | I        |                                 |   | MS0468           | Molecular Virology               | MED/07 |                    | 1       | 6     | LO CIGNO    | Irene         |
| 1    | I        | MS2116                          | Molecular Basis of Neoplastic and proliferative disorders | MS2117           | Experimental oncology            | MED/04 | X                  | 8       | 48    | ISIDORO     | Ciro          |
|      |          |                                 |   | MS2118           | Hematoncology                    | MED/15 |                    | 5       | 50    | GAIDANO     | Gianluca      |
| 1    | I        | MS0455                          | Functional Genomics                                       | MS0458           | Genetics                         | BIO/18 |                    | 1       | 8     | GAGLIARDI   | Mara          |
|      |          |                                 |   | MS0456           | Genomic analysis                 | MED/03 | X                  | 5       | 30    | GIORDANO    | Mara          |
|      |          |                                 |   | MS0457           | Regulation of gene expression    | BIO/10 |                    | 5       | 30    | BALDANZI    | Gianluca      |
| 1    | I        | MS1864                          | Big Data Analysis   | MS1864           | Big Data Analysis                | BIO/11 | X                  | 5       | 30    | CORA'       | Davide        |
| 1    | II       | MS0491                          | Molecular Basis of Regenerative Medicine                  | MS2120           | Histology, Gene and Cell Therapy | BIO/17 | X                  | 5       | 30    | MERLIN      | Simone        |
|      |          |                                 |   | MS2121           | Molecular Regenerative Medicine  | BIO/11 |                    | 5       | 30    | ORSO        | FRANCESCA     |
| 1    | II       | MS1868                          | Forensomics and biotechnological applications             | MS1869           | Biotechnological applications    | BIO/13 |                    | 6       | 36    | ELLIS       | Steven Robert |
|      |          |                                 |   | MS1870           | Forensomics                      | MED/43 | X                  | 5       | 30    | GINO        | Sarah         |
| 1    | II       | MS1865                          | Structural genomics                                       | MS1866           | Human Genomics                   | BIO/18 | X                  | 3       | 18    | GIORDANO    | Mara          |
| 1    | II       |                                 |   | MS1867           | Metagenomics                     | BIO/18 |                    | 2       | 12    | PERSICHETTI | FRANCESCA     |
| 1    |          | MS0497                          | Optional Activities 1                                     | MS0497           | Optional Activities 1            |        |                    | 4       |       |             |               |
| 1    |          | MS0495                          | Internship 1  | MS0495           | Internship 1                     |        |                    | 3       |       |             |               |
|      |          |                                 |   | MS0476           | Biomedical statistics            | MED/01 | x                  | 5       | 30    | FERRANTE    | Daniela       |

|   |    |        |  |        |  |           |   |    |    |             |            |
|---|----|--------|--|--------|--|-----------|---|----|----|-------------|------------|
| 2 | I  | MS0473 | Public health and regulatory aspects     | MS0475 | Innovation and Patents                   | SECS-P/07 |   | 1  | 8  | GATTEI      | Valter     |
|   |    |        |  | MS0474 | Public Health                            | MED/42    |   | 5  | 30 | FAGGIANO    | Fabrizio   |
| 2 | I  | MS1871 | Synthetic Biology and Proteomics         | MS1873 | Proteomics and Metabolomics              | BIO/10    | x | 5  | 30 | MANFREDI    | Marcello   |
| 2 | I  |        |  | MS1872 | Synthetic biology                        | BIO/13    |   | 5  | 30 | COTELLA     | Diego      |
| 2 | II | MS1874 | Clinical Omics                           | MS1878 | Cytomics                                 | MED/04    |   | 2  | 12 | CHIOCCHETTI | Annalisa   |
| 2 |    |        |  | MS1877 | Omics in Hematology                      | MED/15    |   | 3  | 30 | GAIDANO     | Gianluca   |
| 2 |    |        |  | MS1876 | Omics in Nephrology                      | MED/14    |   | 1  | 8  | CANTALUPPI  | Vincenzo   |
| 2 |    |        |  | MS1875 | Omics in Oncology                        | MED/06    | x | 5  | 30 | Gennari     | Alessandra |
| 2 | I  | MS2001 | Scientific English Course for the thesis | MS2001 | Scientific English Course for the thesis |           |   |    | 40 | KALININA    | Irina      |
| 2 |    | MS0498 | Optional Activities 2                    | MS0498 | Optional Activities 2                    |           |   | 4  |    |             |            |
| 2 |    | MS0496 | Internship 2                             | MS0496 | Internship 2                             |           |   | 3  |    |             |            |
| 2 |    | MS0451 | Experimental thesis                      | MS0451 | Experimental thesis                      |           |   | 14 |    |             |            |