

**COURSE DATA****Data Subject**

|                      |                                         |
|----------------------|-----------------------------------------|
| <b>Code</b>          | 44757                                   |
| <b>Name</b>          | Omic platforms in personalized medicine |
| <b>Cycle</b>         | Master's degree                         |
| <b>ECTS Credits</b>  | 4.5                                     |
| <b>Academic year</b> | 2022 - 2023                             |

**Study (s)**

| <b>Degree</b>                         | <b>Center</b>                      | <b>Acad. year</b> | <b>Period</b> |
|---------------------------------------|------------------------------------|-------------------|---------------|
| 2231 - M.D. in Biomedical Engineering | Faculty of Medicine and Odontology | 1                 | First term    |

**Subject-matter**

| <b>Degree</b>                         | <b>Subject-matter</b>                  | <b>Character</b> |
|---------------------------------------|----------------------------------------|------------------|
| 2231 - M.D. in Biomedical Engineering | 7 - Platforms in personalised medicine | Optional         |

**Coordination**

| <b>Name</b>                       | <b>Department</b>  |
|-----------------------------------|--------------------|
| ALIÑO PELLICER, SALVADOR FRANCISC | 135 - Pharmacology |

**SUMMARY****English version is not available**

Asignatura optativa para aquellos estudiantes interesados en conocer las nuevas posibilidades que ofrece el conocimiento del genoma humano en relación con la optimización terapéutica, el desarrollo de nuevos medicamentos y el potencial terapéutico de los genes y/o ácidos nucleicos utilizados como medicamentos. Aborda los conceptos básicos de la farmacología integrados con los conocimientos de la biología molecular.

**PREVIOUS KNOWLEDGE**

**Relationship to other subjects of the same degree**

There are no specified enrollment restrictions with other subjects of the curriculum.

**Other requirements****OUTCOMES****LEARNING OUTCOMES**

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**WORKLOAD**

| ACTIVITY                                     | Hours         | % To be attended |
|----------------------------------------------|---------------|------------------|
| Theory classes                               | 20,00         | 100              |
| Seminars                                     | 10,00         | 100              |
| Classroom practices                          | 10,00         | 100              |
| Laboratory practices                         | 5,00          | 100              |
| Preparation of evaluation activities         | 60,00         | 0                |
| Preparation of practical classes and problem | 5,00          | 0                |
| <b>TOTAL</b>                                 | <b>110,00</b> |                  |

**TEACHING METHODOLOGY**

English version is not available

**EVALUATION**

English version is not available

**REFERENCES****Basic**

- VIII. Bibliografía de referencia
  - Artículos y revisiones en revistas especializadas
    - Gene Therapy
    - Human Gene Therapy
    - Cancer Gene Therapy



- Journal of Gene Medicine
- Molecular Therapy

