

Work Experience

Code: 42952
ECTS Credits: 0

Degree	Type	Year	Semester
4313782 Cytogenetics and Reproductive Biology	OT	0	2

Contact

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Teaching groups languages

You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject.
Please note that this information is provisional until 30 November 2023.

External teachers

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Agustín García (CENTRE D'INFERTILITAT MASCULINA I D'ANÀLISI DE BARCELONA, CIMAB)
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Emma Triviño (CATLAB)
Esther Cuatrecases (HOSPITAL SANT JOAN DE DEU)
Esther Darder (INSTITUT CATALÀ D'ONCOLOGIA, ICO GIRONA)
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Laura Marqués (CENTRE DE REPRODUCCIÓ ASSISTIDA, CLÍNICA SAGRADA FAMILIA)
Mar Mallo (JOSEP CARRERAS LEUKAEMIA RESEARCH INSTITUTE)
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María José Zamora (EUGIN BCN)
Olga Martínez (MEDICINA REPRODUCTIVA, FUNDACIÓ PUIGVERT)
Sergio Cigarran (LABORATORIO ECHEVARNE)
Viviana Vázquez (IVIRMA BCN)
Xènia Blanch (GIREX BCN)

Prerequisites

There are no specific requirements to enroll in this subject.

Objectives and Contextualisation

The objective of this module is that students acquire the skills associated with their field of expertise, promoting a proactive and enterprising attitude. The module is designed for those students who want to orientate the master's degree on the professional profile. The module includes a period of internships, where the student will have the opportunity to consolidate their training, integrating learned knowledge, reflecting on professional skills, and developing the skills acquired. In this sense, the main objective of this internship is to maximize the interaction of students with the professional environment of the master's degree.

Competences

- Apply knowledge of theory in both research and clinical care contexts.
- Apply the scientific method and critical reasoning to problem solving.
- Communicate and justify conclusions clearly and unambiguously to both specialist and non-specialist audiences.
- Continue the learning process, to a large extent autonomously.
- Design and execute analysis protocols in the area of the master's degree.
- Design experiments, analyse data and interpret findings.
- Identify the ethical dilemmas and apply current laws governing the area of knowledge of the master's degree.
- Integrate knowledge and use it to make judgements in complex situations, with incomplete information, while keeping in mind social and ethical responsibilities.
- Interpret, resolve and report on clinical cases or scientific findings in the area of the master's degree.
- Organise and manage research laboratories and clinical laboratories in the area of knowledge of the master's degree.
- Respect ethical principles in one's work.
- Show an ability to work in teams and interact with professionals from other specialist areas.
- Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
- Use acquired knowledge as a basis for originality in the application of ideas, often in a research context.
- Use and manage bibliography or ICT resources in the master's programme, in one's first language and in English.
- Use creative, organisational and analytic skills when taking decisions.

Learning Outcomes

1. Analyse and interpret findings from clinical practice in cytogenetics.
2. Analyse and interpret findings from clinical practice in reproductive biology.
3. Apply ethical and legal principles in clinical practice.
4. Apply knowledge of theory in both research and clinical care contexts.
5. Apply the scientific method and critical reasoning to problem solving.
6. Communicate and justify conclusions clearly and unambiguously to both specialist and non-specialist audiences.
7. Continue the learning process, to a large extent autonomously.
8. Correctly apply the analysis methods of the laboratory where practical work is undertaken.
9. Design experiments, analyse data and interpret findings.
10. Identify and solve safety problems and specific laboratory infrastructures.

11. Integrate knowledge and use it to make judgements in complex situations, with incomplete information, while keeping in mind social and ethical responsibilities.
12. Respect ethical principles in one's work.
13. Show an ability to work in teams and interact with professionals from other specialist areas.
14. Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
15. Use acquired knowledge as a basis for originality in the application of ideas, often in a research context.
16. Use and manage bibliography or ICT resources in the master's programme, in one's first language and in English.
17. Use creative, organisational and analytic skills when taking decisions.

Content

All kinds of knowledge gained during the stay in a public or private company, whose main activity must be related to the field of the master's degree.

Methodology

To carry out the external internship, the master's degree has a list of laboratories where students can complete the stay.

The organization of the stay depends on the coordinator of the module and the tutors designated by the companies.

The module coordinator is in charge of the academic management of the module by doing the following tasks: i) Advise the students about the most suitable center to carry out the practices according to their interests and abilities; ii) Check the adequacy of the profile of the candidates to the needs of the companies; iii) Distribute the students in the different centers trying to satisfy their preferences; iv) Keep in touch with the collaborating centers to satisfy their needs and interests; v) Evaluate the degree of student satisfaction once the internship period has ended by reviewing the "Student Satisfaction Sheet" form; vi) Evaluate the degree of satisfaction of the internship tutor with the student through the form "Center satisfaction sheet"; vii) Conduct follow-up tutoring for students during their internship.

The tutor designated by the company will supervise and evaluate the work done by the student in the laboratory. The tutor will guide the student during the stay through regular meetings that will allow them to perform a personalized follow-up of the student.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Supervised			
Type: Supervised	0	0	2, 1, 8, 5, 4, 3, 13, 12, 9, 17, 10, 11, 14, 6, 7, 15, 16

Assessment

The evaluation of the module will be carried out considering the following evaluation activities:

1) Student monitoring reports

The students must submit to the coordinator of the module two follow-up reports about the stay. The first report must be submitted at the end of the first month of the activity, and the second report at the end of the stay. Both reports must be signed by the center's supervisor and fit the following format:

- Maximum length two pages; margins 2.5 cm; font Tahoma/Arial; font-size 10; spaced 6pt; simple line spacing.
- The contents of the reports must refer to the following aspects:
 - Planning/Schedule of the activity.
 - Activities performed and laboratory methodologies applied.
 - Level of immersion in the service(s), department(s) and methodology(s).
 - Bibliographic resources.
 - Specification of the work (clinical case or equivalent) that will be used for the final master's thesis (TFM; see the syllabus of the TFM Module). The selection of the case must be made in agreement with the tutor of the center.
 - Other aspects to be highlighted.

The mark obtained will contribute 40% to the final grade of the student.

The delivery of the second report must be accompanied by the assessment of the stay by completing the document "Satisfaction of the student".

2) Monitoring report of the supervisor of the collaboration center

The center's supervisor will evaluate the activity carried out by the student using the "Company Internship Report" form. The mark provided by the supervisor will contribute 50% to the final grade of the student.

3) Module Coordinator Evaluation

The coordinator of the module will carry out a final assessment of the practices developed by the student that will weigh 10% on the final mark of the student.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Assessment of the module coordinator	10%	0	0	2, 1, 8, 5, 4, 3, 13, 12, 9, 17, 10, 11, 14, 6, 7, 15, 16
Monitoring report of the tutor of the collaborator center	50%	0	0	2, 1, 8, 5, 4, 3, 13, 12, 9, 17, 10, 11, 14, 6, 7, 15, 16
Student monitoring reports	40%	0	0	2, 1, 8, 5, 4, 3, 13, 12, 9, 17, 10, 11, 14, 6, 7, 15, 16

Bibliography

Bibliographic sources will be related to the subject of the internship. For its selection, the students will have the support of the supervisor and the module coordinator.

Software

Those that are necessary to carry out the practices.