

Advanced Cell Biology and Biotechnology (SVB0040, 9 ECTS)

o Giovanna Gambarotta, Course coordinator (58Hrs, face to face)



o Isabelle Perroteau (14Hrs, face to face)



Course presentation

- o Schedule
- o Syllabus
- o Methodology
- o Outcomes
- o Assessments

Schedule

I. Perroteau:

- o October 1, 3, 5, 8, 10, 11 and 19

G. Gambarotta

- o Lectures: from October 14
- o Biotechnology project: from October 22

Attendance is not mandatory but highly recommended

From October 1, 2018					
	Monday	Tuesday	Wednesday	Thursday	Friday
9-10	ACBB		ACBB		
10-11	ACBB		ACBB		
11-12					ACBB
12-13					ACBB
From October 19, 2018					
	Monday	Tuesday	Wednesday	Thursday	Friday
9-10	ACBB				ACBB
10-11	ACBB				ACBB
11-12	ACBB		ACBB		
12-13	ACBB		ACBB		

CLASSROOM C, via Accademia Albertina 13
MORPHOLOGICAL LABORATORY, via Accademia Albertina 13

Syllabus

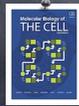
- Cell communication
- Cell migration

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Teaching methodology



- Face to face: Advanced cell biology
Lectures, discussion and onsite activities
- Face to face: Biotechnology theoretical and practical lab lessons
- Personal work
 - textbook
 - reading list
 - online activities
 - group work



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Student Learning Outcomes

- Critically discussing and planning experimental approaches
- Extending cell biology knowledge
- Interpreting and analysing new information
- Selecting information from a variety of sources
- Communicating findings/information fully and effectively

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Student Learning assessment*

(* specific for ACBB.
For other courses,
please refer to
respective Lecturers

- Moodle-based test maximum grade 32/30
20-25 questions including:
 - Closed and open-ended questions on ACB knowledge (reading-list including textbook chapters);
 - Interpretation of **NEW** experimental data;
 - Resolution of **NEW** exercises similar to those carried out in the theoretical and practical cell biotechnology lessons.
- January-February 2019 exam session: Points from optional multidisciplinary activities will be added to Moodle-based test score
- Final grading >30 will give rise to "30 cum laude".

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Two multidisciplinary optional activities



- MMT: Midterm Multidisciplinary Test
- MRE: Multidisciplinary Research Essay

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MMT: Midterm Multidisciplinary Test



- Moodle-based quiz of 8 questions/course: 7 closed questions with a variety of formats and 1 open-ended question. Maximum grade 32/30
- Gives rise to up to 2 additional points to the final grade of each of the courses, **provided** the exam will be passed in the first exam session (January-February 2019).
- Planned November, 6 (to be confirmed)

28-30	→	2
26-27	→	1,5
24-25	→	1
22-23	→	0,5

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MRE: Multidisciplinary Research Essay



28-30	→	2
26-27	→	1.5
24-25	→	1
22-23	→	0.5

- At-home assignment that will refer to topics, methodologies and technical approaches relevant to **at least** two of the four courses.
- MRE is a research proposal to be prepared by groups of normally three to four students.
- To be discussed by oral presentation on the last week of the term.
- Gives rise to up to 2 additional points to the final grade of each of the courses, provided the exam will be passed in the first exam session (January-February 2019).

Questions?