

CM EMBRYOLOGY (6 CFU) 49 h, Prof. Pasqualino LOI, Week 13 May – 31 May 2018

Assistants to the lessons: Dr. Marta Czernik, Dr. Paola Toschi, Dr. Debora Anzalone, PhD student Luca Palazzese

Week 13- 17 May 2019

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9.00-10.00	Loi, Introduction to the course	Fecondation and the origin of a new individual	Embryonic development in Birds	Cleavage,	I intermediated test
10.00-11.00	What developmental biology entails	Sea urchin and mammals	Mammalian embryo: cleavage,	Ontogenesys	
11.00-12.00	Key concepts in developmental biology Teoria	Development in amphybian and Zebrafish	Zygotic genome activation, chromatin remodeling	Placental development	
12.00-13.00					

Week 20-24 May 2019

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9.00-10.00	How to study embryology	Cloning	Genomic Imprinting	Transgenic animals	II Intermediate test
10.00-11.00	Embryo splitting,	Cloning	Monoparental embryos	Transgenic animals	
11.00-12.00	Blastomere separation	Cloning	Embryo biopsy	Transgenic animals	
12.00-13.00					

Week 27 May - 31 May 2019

PLEASE, Note that the laboratory practical might change according with the availability of sheep ovaries

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9.00-10.00	Practicals	Oocyte microinjection	Cloning	Embryo Biopsy	Final test
10.00-11.00	Introduction to a embryo laboratory	Oocyte microinjection	Cloning	Embryo Biopsy	
11.00-12.00	Microtool making	Oocyte microinjection	Cloning	Embryo Biopsy	
12.00-13.00	Microtool making	Oocyte microinjection	Cloning	Embryo Biopsy	
14.00-15.00	Microtool making				
15.00-16.00	Microtool making				
16.00-17.00	Microtool making				