



## Module 3 Embryology (2nd part)

Venue: University of Naples and IFV Red

Duration: 6 days

Dates: 24-29 June 2024



### List of teachers for the theoretical and hands-on activities

1	BARBATO E.	Dip. Biologia, Univ. Federico II, Napoli
2	CANDELA A.	Dip. Biologia, Univ. Federico II, Napoli
3	DALE B	Centro Fecondazione Assistita, Napoli
4	DE GREGORIO V.	Dip. Biologia, Univ. Federico II, Napoli
5	FERRARO R.	Centro Genesis Sterilità della coppia, Caserta
6	GENOVESE V.	Dip. Biologia, Univ. Federico II, Napoli
7	GUALTIERI R	Dip. Biologia, Univ. Federico II, Napoli
8	MONDRONE G	Centro Genesis Sterilità della coppia; IVF red, Caserta
9	POLESE, R.	Centro Fecondazione Assistita, Napoli
10	TALEVI R.	Dip. Biologia Univ. Federico II, Napoli; IVF red, Caserta
11	TRAVAGLIONE A.	Dip. Biologia Univ. Federico II, Napoli
12	TUFOLO M.	Centro Genesis Sterilità della coppia; IVF red, Caserta

## Monday 24 June 2024

Department of Biology University of Naples  
Building 7 Lab n.4 Via Cinthia Fuorigrotta Napoli

Schedule	Activities	Lecture	Hands-on
9.30-10.00	Welcome, introduction of the course participants, description of their level of experience and skills in assisted reproduction techniques. Description of the module objectives. Introduction of the teachers.	1-11	
10.00-11.00	Principles of microscopic optics for the embryology laboratory	7	
11.00-13.30	Setup of the microscope, micromanipulation system, and injection circuit for the ICSI technique		1,2,4,6,10,11
13.30-14.30	Lunch	Dept. Biology cafeteria	
14.30-16.00	COC retrieval from bovine ovary, COC IVM		1,2,4,6,10,11

## Tuesday 25 June 2024

Department of Biology University of Naples  
Building 7 Via Cinthia Fuorigrotta Napoli

Schedule	Activities	Lecture	Hands-on
9.30-12.00	Sperm selection for assisted reproduction techniques	10	1,2,4,6,10,11
12.00-12.30	Preparation of Petri dishes for ICSI and TESE		1,2,4,6
12.30-13.30	Evaluation of the maturation stage of bovine oocytes and in vitro fertilization		1,2,4,6,10,11
13.30-14.30	Lunch	Dept. Biology cafeteria	
14.30-16.00	ICSI practice on animal model		1,2,4,6,10,11

## Wednesday 26 June 2024

Department of Biology University of Naples  
Building 7 Lab n.4 Via Cinthia Fuorigrotta Napoli

Schedule	Activities	Lecture	Hands-on
9.30-10.30	Metabolic requirements of the embryo: how to recreate the most suitable conditions for embryonic development in the laboratory	11	
	ICSI practice on animal model		1,2,4,6,10,11
13.30-14.30	Lunch	Dept. Biology cafeteria	
14.30-16.00	ICSI practice on animal model		1,2,4,6,10,11

## Thursday 27 June 2024

CFA Centro per la Fecondazione Assistita  
Via Torquato Tasso, 480, 80123 Napoli NA

Schedule	Activities	Lecture	Hands-on
9.30-10.15	Time-lapse technology: technical tips	9	
10.15-11.00	Failed conception and in vitro development	3	
11.00-13.30	ICSI practice on Human immature oocyte		9
13.30-14.30	Lunch	CFA cafeteria	
14.30-16.00	Time-lapse technology: analysis of several human embryo movies		9

## Friday 28 June 2024

Centro Genesis Sterilità della coppia; IVF red, Caserta  
Via de falco Caserta

Schedule	Activities	Lecture	Hands-on
9.30-10.15	Quality management in the embryology laboratory: role of KPIs	8	
10.15-11.00	Equipment in a PMA laboratory: control of quality	12	
11.00-13.30	Embryo Transfer from theory to practice	5,10	8,12
13.30-14.30	Lunch	Genesis cafeteria	
14.30-16.00	Learner assessment test and issuance of module completion certificate	1-12	