

**PROPOSAL FOR ELECTIVE DIDACTIC ACTIVITIES (ADE)
 A.A. 2022-2023**

TITLE ADE	Experimental models to study and treat kidney diseases				
PROF.	Anna Iervolino				
SCIENTIFIC DISCIPLINARY SECTOR (SSD)	MED/14				
GENERAL AND SPECIFIC OBJECTIVES (MAX 500 CHARACTERS)	The main objective of this activity is to promote the acquisition of theoretical knowledge regarding the use of experimental models, including multiple animal models, to study renal disorders. Mouse models are an excellent model for mimicking human pathologies but in the last decades the zebrafish model has played an increasingly important role. The urinary system of zebrafish has a high anatomical and functional similarity with that of mammals. At embryonic stage Zebrafish is transparent and allows the study of processes in real time. Thanks to the use of fluorescent tracers, it is possible to trace specific tissue markers through microscopy and view their course in case of kidney disease. Furthermore, zebrafish larvae with kidney damage can be used as a study model for the screening of new drugs. These models have been largely used to study both inherited and acquired kidney disorders.				
ACTIVITY TYPE	PROPOSED ACTIVITY	MINIMUM DURATION (HOUR)	ADE DURATION (HOUR)	CFU	PROPOSED CFU
LABORATORY ACTIVITY /INTERNSHIPS	<input type="checkbox"/>	13	_____	1	_____
MONOGRAPHIC COURSES	<input type="checkbox"/>	> 13	_____	1	_____
INTERACTIVE SEMINARS	<input type="checkbox"/>	≥ 6,25 (up to 12,5)	___7___	0,5	___0,5_
INTERACTIVE SEMINARS	<input type="checkbox"/>	≥ 12,5	_____	1	_____
TELEMATIC PRESENTATION OF CLINICAL CASE		<u>12.5 hours</u>		1	
◆ YEAR	2022/2023				
◆ MAXIMUM N. OF STUDENTS	25				
◆ STUDENT COURSE YEAR	From III year				
◆ BASIC KNOWLEDGE REQUESTED	Human Anatomy, Medical Physiology				
◆ LOCATION	Booked students will be notified				
◆ DATE (S) AND TIME	February 6 th , 2023				
◆ BOOKING METHOD	email to: anna.iervolino@unicampania.it				