Università degli Studi della Campania *Luigi Vanvitelli*

Scuola di Medicina e Chirurgia

Dipartimento di Medicina di Precisione

Degree Course in Medicine & Surgery in English Language

PROPOSAL FOR ELECTIVE DIDACTIC ACTIVITIES (ADE)
A.A. 2020-2021

TITLE ADE	**Biochemical and molecular pathways that link the ER acetylation machinery to protein folding.**
PROF./ DR.	**Dr Nicola S Orefice, Prof. Michele Caraglia**
SCIENTIFIC DISIPLINARY SECTOR (SSD)	**IBiochemistry**
GENERAL AND SPECIFIC OBJECTIVES (MAX 500 CHARACTERS)	Accumulation of misfolded proteins triggers the endoplasmic reticulum-stress condition, which elicits the adaptive unfolded protein response. Prolonged stress due to misfolded proteins induces specific death pathways. Therefore, the first part of this teaching activity will be covering the current biochemical and molecular pathways that modulate proteostasis capacity. The second part outlines the molecular mechanisms underlying chaperone-mediated refolding. Students will undergo multiple-choice tests.

ACTIVITY TYPE	PROPOSED ACTIVITY	MINIMUM DURATION (HOUR)	ADE DURATION (HOUR)	CFU	PROPOSED CFU
LABORATORY ACTIVITY /INTERNSHIPS	□	13	_____	1	_____
MONOGRAPHIC COURSES	□	> 13	_____	1	_____
INTERACTIVE SEMINARS	□	≥ 6,25 (up to12,5)	_____	0,5	_____
INTERACTIVE SEMINARS	□	≥ 12,5	13	1	1

♦ YEAR	**2020-21**
♦ MAXIMUM N. OF STUDENTS	**100**
♦ STUDENT COURSE YEAR	**100**
♦ BASIC KNOWLEDGE REQUESTED	**First-year examinations plus Biochemistry examination**
♦ LOCATION	**By the web Teams platform**
♦ DATE (S) AND TIME	**17-18 March 2021 Time 10-16**
♦ BOOKING METHOD	**nsorefice@medicine.wisc.edu; nicolaorefice819@gmail.com**

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