

**Educational Activities**  
**PhD in “Translational Medicine”**  
**XXXVII Cycle**

List of PhD courses – 1<sup>st</sup> year - 2021/2022

Course	Lead Instructor	CFU	TEAMS Code	TEAMS Link
Advanced scientific english <i>(Session to be defined)</i>	CLA	3		<a href="#">Link</a>
Research and innovation <i>(Session to be defined)</i>	Liason Office	3		
Evidenced-based medicine: basic principles and goals	Prof. Ines Barone	1	duzrcic	<a href="#">Link</a>
Preclinical and clinical evidence for drug development	Prof. Giacinto Bagetta	1		
R&D strategies for drug development: the value of meta-analysis and randomized confirmatory trials in preclinical research	Prof. Diana Amantea	1	hfpu5ns	<a href="#">Link</a>
Regulatory, ethical and scientific aspects for the use of animals in research	Dr. Rocco Malivindi Dr. Salvatore Panza	6	4sowq44	<a href="#">Link</a>
Biotechnologies for translational medicine	Dr. Pietro Rizza	2	ixyh2sy	<a href="#">Link</a>
Nanomaterials for medicine	Prof. Gerardo F Goya	1		<a href="#">Link Google Meet</a>
Nanotechnologies and drug delivery:			38ui4o7	<a href="#">Link</a>
· Physicochemical properties of nanomaterials: implication and drug delivery	Prof. Fiore Nicoletta	2		
· Innovative technologies for drug delivery	Dr. Giuseppe Cirillo	2		
Photodynamic therapy	Dr. Gloria Mazzone	1	zy4n3k1	<a href="#">Link</a>
Metal-based compounds in light-activated cancer therapy	Dr. Marta Erminia Alberto	1	ky6s3h3	<a href="#">Link</a>
Extracellular vesicles in translational medicine	Dr. Cinzia Giordano	1	9njq6jp	<a href="#">Link</a>

**Educational Activities**  
**PhD in “Translational Medicine”**  
**XXXVII Cycle**

List of PhD courses – 2<sup>st</sup> year  
2022/2023

Course	Lead Instructor	CFU
Translational cancer research	Prof. Regine Schneider-Stock	1
Translational breast cancer research	Prof. Suzanne A Fuqua	1
Molecular Cell Biology: <ul style="list-style-type: none"> <li>· Cancer cell metabolism: the role of nutrients</li> <li>· Serine and one carbon metabolism in cancer</li> <li>· Targeting cholesterol for anti-cancer therapy</li> <li>· Flow cytometry in the study of apoptosis</li> <li>· Steroid hormones in cancer progression</li> </ul>	Prof. Vincenzo Pezzi Dr. Ivan Casaburi Prof. Rosa Sirianni Dr. Adele Chimento Prof. Francesca De Amicis	1 1 1 1 1
Flow cytometry and ‘in vivo’ imaging	Dr. Rosamaria Lappano	1
Next Generation Sequencing for the diagnosis of rare diseases	Prof. Francesca Luisa Conforti	1
Transcriptomic analysis	Prof. Erika Cione	1
The role of proteomics in cancer	Dr. Luca Gelsomino	1
Advanced mass spectrometry for food safety and quality	Prof. Leonardo Di Donna	2
Food and bioactive lipids	Dr. Pierluigi Plastina	3
Natural bioactive compounds: extraction and characterization by advanced methodologies	Dr. Lucia Bartella	2