

# UNIVERSITÀ DELLA CALABRIA

Dipartimento di Farmacia e Scienze della Salute e della Nutrizione

Dipartimento di Chimica e Tecnologie Chimiche

**Dottorato di Ricerca in Medicina Traslazionale**



## XXXVIII Cycle

### INDIVIDUAL TRAINING PLAN

Surname \_\_\_\_\_ Name \_\_\_\_\_

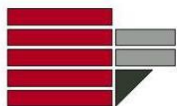
Supervisor: \_\_\_\_\_

#### Curriculum

- Molecular basis of diseases and pharmacological approaches for translational medicine;*
- The design of innovative molecules for both diagnostic and clinical use.*

2<sup>nd</sup> year

Course	CFU	Selection
Flow cytometry and 'in vivo' imaging	1	
Next Generation Sequencing for the diagnosis of rare	1	
Transcriptomic analysis	1	
The role of proteomics in cancer	1	
Translational cancer research	1	
Translational breast cancer research	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>• Estrogen receptors-mediated apoptosis in hormone-dependent cancers;</li><li>• Steroid hormones in cancer progression</li></ul>	1 1 1 1 1	
How to write a scientific paper and present research data successfully	1	
microRNA: biology, function and analysis tools	1	
Strategies for the identification of new diagnostic targets in molecular medicine	1	
Biochemical tools to unmask metabolic	1	
Bio optical properties of human skin and uses of electromagnetic radiation in medical science	1	



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3<sup>rd</sup> year

Course	CFU	Selection
Advanced mass spectrometry for food safety and quality	1	
Food and bioactive lipids	1	
Natural bioactive compounds: extraction and characterization by advanced methodologies	1	
Mitochondrial dysfunctions in neuromuscular diseases: biochemical implications, diagnosis and treatment	1	

**A maximum of 10 CFU can be assigned for the following activities:**

Other Activities	CFU	Selection
Conference Participation	0.5	
Oral/Poster Presentations at Conferences	1	
Seminar Attendance	0.5	

**Total CFU:** \_\_\_\_\_

Date \_\_\_\_\_

PhD Student

\_\_\_\_\_