



**UNIMORE**  
UNIVERSITÀ DEGLI STUDI DI  
MODENA E REGGIO EMILIA

Dipartimento di Scienze Biomediche, Metaboliche e Neuroscienze  
Corso di Dottorato “Clinical and Experimental Medicine (CEM)  
Medicina Clinica e Sperimentale”  
Coordinatore Prof. Giuseppe Biagini

**19 March 2020**

**Videoconference Thesis Defense**  
**Department of Biomedical, Metabolic and Neural Sciences – Section of**  
**Physiology and Neuroscience**  
**287 Campi street, Modena**

## **CEM - PhD Degree**

**Thesis defense – Doctoral School of Clinical and Experimental Medicine**

9:30 **Eleonora Truzzi**

*Design and development of nanostructured drug delivery systems based on lipids or polysaccharides for the administration of active compounds through different routes*

Supervisor: Prof. Eliana Grazia Leo

10:00 **Annalisa Guida**

*Deciphering immune response to checkpoint inhibitors and finding novel biomarkers in metastatic renal-cell carcinoma*

Supervisor: Prof. Massimo Federico

10:30 **Claudia Omarini**

*Mutational profile of HER2 positive early breast cancer treated with neoadjuvant chemotherapy*

Supervisor: Dr. Federico Piacentini

11:00 **Natalia Oddone**

*ROS-responsive polymer conjugates and prodrugs as innovative DDS aiming for the treatment of brain diseases*

Supervisor: Prof. Giovanni Tosi

11:30 **Angelo Territo**

*Robot-assisted kidney transplantation: analysis of surgical aspects and functional results from its introduction to its standardization*

Supervisor: Prof. Giampaolo Bianchi

12:00 **Simone Vitiello**

*Targeting folate-pathway enzymes with unconventional approaches: switching of the active/inactive conformational equilibrium of human thymidylate synthase and photoactivation of a methotrexate-like cytotoxic molecular device*

Supervisor: Prof. Glauco Ponterini

12:30 **Antonio Quotadamo**

*Inhibitors of protein-protein interaction to overcome drug resistance in different cancer types: optimization of E7, a dissociative inhibitor of human thymidylate synthase*

Supervisor: Prof. Maria Paola Costi

13:00 **Nathalie Teixeira de Carvalho**

*Melanoma and non-invasive imaging techniques: study of tumor dynamics and cost-effectiveness estimation in two national health systems (Thesis in joint supervision)*

Co-Supervisors: Prof. Giovanni Pellacani and Prof. Roberto Carlos Lyra da Silva

## Members of the Committee

### **Prof. Giuseppe Biagini**

Department of Biomedical, Metabolic and Neural Sciences  
University of Modena and Reggio Emilia, Modena, Italy

### **Prof. Antonio Biagio Torsello**

School of Medicine and Surgery  
University of Milano-Bicocca, Milan, Italy

### **Prof. Nikolai V. Lukoyanov**

Department of Biomedicine  
University of Porto, Porto, Portugal

### **Prof. Andreas M. Grabrucker (Expert member)**

Department of Biological Sciences  
University of Limerick, Limerick, Ireland



## Members of the Committee for joint supervision (“cotutelle”) PhD Degree

### **Prof. Giuseppe Biagini**

Department of Biomedical, Metabolic and Neural Sciences  
University of Modena and Reggio Emilia, Modena, Italy

### **Prof. Roberto Carlos Lyra da Silva Lyra**

Escola de Enfermagem Alfredo Pinto  
Federal University of Rio de Janeiro State, Brazil

### **Prof. Giovanni Pellacani**

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### **Prof. Prof. Antônio Peregrino**

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*Prof. Giuseppe Biagini*  
Coordinator of the PhD Program  
“Clinical and Experimental Medicine”  
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