

# PhD Course in Biochemistry & Molecular Biology

## Thesis Defense AY2024-2025

**Aula Fleming 09:00am CET (Italy)/04:00pm CET+7 (China)**

CET/CET+7

**9:00am/04:00pm Candidate: CAO Lijuan**

**Title Thesis:** *Skeletal Muscle Stem Cells Mitigate Obesity and Insulin Resistance through Producing Myokine IGF2 that Promotes Thermogenic Adipogenesis*

Tutors/Supervisor: Prof. Yufang Shi

**9:30am/04:30pm Candidate: FENG Chao**

**Title Thesis:** *Human skeletal muscle stem cells alleviate liver injury and fibrosis through conferring glutathione-mediated cytoprotection of hepatocytes*

Tutors/Supervisor: Prof. Yufang Shi

**10:00am/05:00pm Candidate: LU Shihua**

**Title Thesis:** *Iron accumulation in senescent cells is coupled with impaired mitochondrial homeostasis and inhibition of ferroptosis*

Tutors/Supervisor: Prof. Changshun Shao & Prof. Massimiliano Agostini

**10:30am/05:30pm Candidate: ZHANG Naidong**

**Title Thesis:** *Myeloid cells render TNBC resistance to anti-PD1 therapy via IFN $\gamma$ R1*

Tutors/Supervisor: Prof. Yuhui Huang & Prof. Eleonora Candi

**11:00am/06:00pm Candidate: ZHOU Ji**

**Title Thesis:** *The Regulatory Role and Mechanism of Hoxa10 in CD4<sup>+</sup> T Cells: Insights into Immunological Memory*

Tutors/Supervisor: Prof. Jinping Zhang & Prof. Francesca Bernassola

**11:30am/06:30pm Candidate: ZHU Jinfeng**

**Title Thesis:** *S-sulfenylation Driven Antigens Capture Boosted by Radiation for Enhanced Cancer Immunotherapy*

Tutors/Supervisor: Prof. Haibin Shi & Prof. Gerry Melino

**12:00pm/07:00pm Candidate: ARCIERO Ilaria**

**Title Thesis:** *Optimization of 3D printable cell-culture systems for in vitro studies of diseases: osteoarthritis and breast cancer*

Tutors/Supervisor: Prof. Sonia Melino

**12:30pm/07:30pm Candidate: CONCETTI Livia**

**Title Thesis:** *Uncovering novel pharmacological approach in renal cell carcinoma*

Tutors/Supervisor: Prof. Massimiliano Agostini

**Lunch 13:00-14:00**

**2:00pm/9:00pm Candidate: LA BANCA Veronica**

**Title Thesis:** *Exploring the role ABCC1 in squamous epithelia homeostasis*

Tutors/Supervisor: Dott. Angelo Peschiaroli

**2:30pm/9:30pm Candidate: PALUMBO Valeria**

**Title Thesis:** *Metals bioaccumulation in carotid atheromatous plaques and their potential role in atherosclerosis occurrence*

Tutors/Supervisor: Prof. Alessandro Mauriello

**3:00pm/10:00pm Candidate: RIGON Manuel**

**Title Thesis:** *Hidden Mechanisms of Metabolism Rewiring in Pleural Mesothelioma (PMe)*

Tutors/Supervisor: Prof. Michelangelo Campanella

**3:30pm/10:30pm Candidate: SERGIO Simone**

**Title Thesis:** *Exploring the impact of serine metabolism on cytokine signalling in psoriasis*

Tutors/Supervisor: Prof. Eleonora Candi

**4:00pm/11:00pm Candidate: TOSETTI Giulia**

**Title Thesis:** *Investigation of ZNF148 function in squamous cell carcinoma*

Tutors/Supervisor: Prof. Eleonora Candi