

Doctorate Program in Molecular Medicine and Medical Biotechnologies- 38° cycle
PhD day - January 16th
Seminar room "Serafino Zappacosta" 1st floor Torre Biologica

Welcome (8:45)

Chairperson: Valeria Di Giacomo

- 09:00-09:15 **Sara Allegretti** - Identification and characterization of regulatory sequences of the TBX1 gene. Supervisor: A. Baldini
- 09:15-09:25 Discussion
- 09:25-09:40 **Giovanna Cardiero** - Identification and characterization of biomarkers for diagnosis and management of FH patients. Supervisor: G. Fortunato
- 09:40-09:50 Discussion
- 09:50-10:05 **Mariangela Ciampa** - Iminosugars as pharmacological chaperone therapy for MPS IIIb. Supervisor: L.M. Pavone
- 10:05-10:15 Discussion
- 10:15-10:30 **Laura Coppola** - N⁶-Isopentenyladenosine Disrupts Energy Metabolism in Glioblastoma. Supervisor: M. Bifulco
- 10:30-10:40 Discussion

Chairperson: Yuri C. Veneruso

- 10:40-10:55 **Sabrina De Lella** - Characterization of RNA-binding proteins in ovarian cancer progression and platinum resistance. Supervisor: F. Esposito
- 10:55-11:05 Discussion
- 11:30-11:45 **Martina Di Rosario** – Plant-derived antimicrobials against foodborne and ESKAPE pathogens: insights from Pomegranate, Thyme and Grape pomace extracts. Supervisor: R. Colicchio
- 11:45-11:55 Discussion
- 11:55-12:10 **Federica Maria Esposito** - Interplay between PIEZO1 and mTOR pathway in the regulation of hepatic iron metabolism. Supervisor: I. Andolfo
- 12:10-12:20 Discussion
- 12:20-12:35 **Gianmaria Leone** - Dissecting and piloting the intracellular trafficking of adeno-associated viruses. Supervisor: M.A. De Matteis
- 12:35-12:45 Discussion

Break

Chairperson: Gaetano Gerace

- 14:00-14:15 **Chiara Malasomma** - PD-L1 beyond immune evasion: nuclear functions supporting glioblastoma proliferation. Supervisor: M.F. Romano
- 14:15 -14:25 Discussion
- 14:25-14:40 **Antonella Napolitano** - Understanding the role of the long non-coding RNA Rhabdomyosarcoma 2-Associated Transcript in glioblastoma. Supervisor: M. Santoro/M. De Martino
- 14:40-14:50 Discussion
- 14:50-15:05 **Alessandra Palazzi** - HIPK2 is a novel TDP-43 regulator in Amyotrophic Lateral Sclerosis pathogenesis. Supervisor: G.M. Pierantoni
- 15:05-15:15 Discussion
- 15:15-15:30 **Claudia Pignataro** - Microenvironment-mediated crizotinib resistance in ALK⁺ Anaplastic Large Cell Lymphoma: overcoming stromal protection through BH3 mimetic drugs. Supervisor: D. Fiore
- 15:30-15:40 Discussion

Chairperson: Asia Trano

- 15:40-15:55 **Anna Piscone** - BER deficiency studies reveal a role for Xrcc1 in telomere stability, inflammation, and cancer cell senescence. Supervisor: S. Amente
- 15:55-16:05 Discussion
- 16:05-16:20 **Eleonora Di Venere**- From centrosome to primary cilium: unraveling the emerging role of TRIM8. Supervisor: G. Merla
- 16:20-16:30 Discussion
- 16:30-16:45 **Sara Zirpoli** - Novel combinatorial strategies for Anaplastic Thyroid Carcinoma. Supervisor: R.M. Melillo (via ZOOM)
- 16:45-16:55 Discussion