Monday, September 26 – Aula Magna

10:00 – 14:55  Session 1.
Structure and Function of Biomolecules
Chairman: A. Lettieri, D. Barone, F. Russo, M. Cerreta

Sara Ragucci 10:00 – 10:10
Isolation of novel bioactive proteins from the edible mushroom 
Agriglybe aegerita
Tutor: Antimo Di Maro

Valeria Sivo 10:10 – 10:20
Metal ion replacement in prokaryotic zinc-finger 
domain by the xenobiotic Pb(II)
Tutor: Carla Iacovino

Camilla Rega 10:20 – 10:35
Using mass spectrometry for protein structural and 
functional studies: studying the Gadd45β/MKK7 complex, a 
new target in Multiple Myeloma.
Tutor: Angela Chambary

Cristina Di Donato 10:35 – 10:50
Alpha- and beta-cyclodextrin inclusion complexes with 
5-fluorouracil: structural characterization and cytotoxic 
activity evolution.
Tutor: Rosa Iacovino

Emanuela Iaccarino 10:50 – 11:05
Novel highly constrained peptide ligands for modulating the 
activity of Cripto-1 and Activin-like receptors.
Tutor: Menotti Ruvo

Roberto Sirica 11:05 – 11:20
De novo variant calling from RNA-seq 
in non-model species: a promise land
Tutor: Vincenza Colonna

Tommaso Nuzzo 11:20 – 11:35
Altered free D-aspartate, but not free D-serine, levels in 
the post-mortem brain of patients with schizophrenia
Tutor: Alessandro Usiello

Vittoria Graziani 11:35 – 11:50
NMR characterization and antiproliferative activity of 
secondary metabolites from Fabaceae species
Tutor: Antonio Fiorentino

Annamaria Lettieri 11:50 – 12:10
Neuro-nutraceutical potential of Thyme and Sage Phenol- 
enriched Extracts
Tutor: Pietro Monaco

Daniela Barone 12:10 – 12:30
Structural and dynamic properties of the Hepatitis C Virus 
proteins: E1 and NSSA proteins
Tutor: Luigi Vitagliano

Federica Calì 12:30 – 12:50
Unveiling the cellular role of DDX11, a Fe-S cluster DNA 
helicase, involved in genome maintenance
Tutor: Francesca Maria Pisani

12:50 – 14:00  Lunch Break

14:00 – 14:40
Mariangela Cerreta 14:00 – 14:20
The human Paraoxonase 2: biochemical and functional 
characterization
Tutor: Giuseppe Manco

Martina Buonanno 14:20 – 14:40
Insights into the structural and functional features of the 
tumor associated protein ICA IX
Tutor: Simona Maria Monti

14:40 – 17:05  Session 2.
Human genetics
Chairman: A. Padula, F. Napolitano, M. Germoglio, G. Di Fruscio

Federica Scotto di Carlo 14:40 – 14:50
Disclosing the molecular mechanism underlying Early 
Onset Paget’s Disease of bone.
Tutor: Fernando Gianfrancesco

Gabriella Ruggina 14:50 – 15:00
Alzheimer’s Disease and allelic variants in late onset 
forms: focusing on CD33 and TREM2.
Tutor: Emilia Vitale

Sabrina Napoletano 15:00 – 15:10
Molecular mechanisms of pathogenic mutations in 
Frontotemporal dementia
Tutor: Emilia Vitale

Federica Maria Valente 15:10 – 15:25
Identification and characterization of molecular defects 
causing the Beckwith-Wiedemann syndrome
Tutor: Flavia Cerrato

Giuseppina Di Fruscio 15:25 – 15:45
Targeted Next Generation Sequencing strategies for 
genetic heterogeneous disorders
Tutor: Vincenzo Nigro

Giuseppina Divisato 15:45 – 16:45
A novel extracellular matrix multisystem syndrome 
due to a dominant mutation in LAMA5 gene: 
implication for ECM function and remodeling and its 
interaction with other connective proteins
Tutor: Teresa Esposito

Marcello Germoglio 16:45 – 17:05
Genetic interactions among Fanconi Anaemia repair 
genes
Tutor: Adele Adamo
### Session 3.

**Molecular Cell Biology**

**Chairman:** M. Buonanno, L. Schembri, D. La Prathyush, Filigrana

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
<th>Tutor</th>
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<tbody>
<tr>
<td>9:30–9:40</td>
<td>Emilia Pascale</td>
<td>The Ultraconserved Long Noncoding RNA, T-UCstem1, is required to preserve transcriptional identity and maintain Embryonic Stem Cell self-renewal</td>
<td>Annalisa Minchiotti</td>
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<tr>
<td>9:40–9:50</td>
<td>Francescopolpo Iavarone</td>
<td>Unraveling the inflammatory cells contribution of Cripto to skeletal muscle regeneration</td>
<td>Gabriella Minchiotti</td>
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<td>9:50–10:00</td>
<td>Maria Mangini</td>
<td>Secretory phospholipase A2 role in osteoclastogenesis</td>
<td>Amiello Russo</td>
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<tr>
<td>10:00–10:10</td>
<td>Marta Panella</td>
<td>Antiproliferative activity of miR-125a toward human hepatocellular carcinoma cells</td>
<td>Stefania Mariggiò</td>
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<tr>
<td>10:10–10:20</td>
<td>Rita Polito</td>
<td>Evaluation of adiponectin profile in Common Variable Immunodeficiency patients</td>
<td>Aurora Daniele</td>
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<tr>
<td>10:20–10:30</td>
<td>Simona Cataldi</td>
<td>Regulation of PPARγ signaling through alternative splicing and dominant negative isoforms</td>
<td>Alfredo Ciccodicola</td>
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<tr>
<td>10:30–10:45</td>
<td>Alessandra Varavallo</td>
<td>Control Systems of the secretory pathway</td>
<td>Roberto Luini</td>
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<tr>
<td>10:45–11:00</td>
<td>Sara Mancinelli</td>
<td>Insights into neuroectoderm and mesoderm cell lineage segregation during early vertebrate development from Cripto gene</td>
<td>Giovanna Liguori</td>
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<tr>
<td>11:00–11:20</td>
<td>Angela Filigrana</td>
<td>CBP1-S/BARS regulates Lipid Droplet biogenesis</td>
<td>Daniela Corda</td>
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<tr>
<td>11:20–11:40</td>
<td>Laura Schembri</td>
<td>Potential role of the mono-adp-ribosyltransferase parp12 in the regulation of intracellular membrane traffic</td>
<td>Daniela Corda</td>
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<tr>
<td>11:40–12:00</td>
<td>La Prathyush Deepth Roy</td>
<td>Organization of Golgi glycosylation reactions by matrix proteins</td>
<td>Seetharaman Parashuraman</td>
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**Faculty meeting**

**12:00 – 13:00**

**Lunch Break**

**13:00 – 14:00**

**Session 4.**

**Gene regulation**

**Chairman:** A. Oneglia, M. M. Marino, F. Perrone, F. Cali

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<tr>
<td>14:00–14:10</td>
<td>Daniela Esposito</td>
<td>Functional studies of a novel long non-coding RNA (MET-AS) in papillary thyroid carcinoma</td>
<td>Valerio Costa</td>
</tr>
<tr>
<td>14:10–14:20</td>
<td>Daniela Punzo</td>
<td>Age-Related Changes in D-Aspartate Oxidase Promoter Methylation Control Extracellular D-Aspartate Levels and Prevent Precocious Cell Death during Brain Aging</td>
<td>Alessandro Usiello</td>
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**Tuesday, September 27 – Aula Magna**

**Session 5.**

**Cancer biology and immunology**

**Chairman:** F. Mantile, S. Vitale, G. Divisato

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<td>16:00–16:10</td>
<td>Daniela Esposito</td>
<td>Functional studies of a novel long non-coding RNA (MET-AS) in papillary thyroid carcinoma</td>
<td>Valerio Costa</td>
</tr>
<tr>
<td>16:10–16:20</td>
<td>Deborah Cipria</td>
<td>Optimization of adoptive T cell therapy by promoting the correct pairing of T cell receptor chains</td>
<td>Piergiuseppe De berardinis</td>
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<tr>
<td>16:20–16:30</td>
<td>Valeria Gaudieri</td>
<td>Assessment of Left Ventricular Remodeling by Gated SPECT Myocardial Perfusion Imaging in Diabetic Patients: a Propensity Matched Cohort Analysis</td>
<td>Wanda Acampa</td>
</tr>
<tr>
<td>16:30–16:45</td>
<td>Olga Pastorino</td>
<td>Glioblastoma: The role of REST and molecular compounds targeting tumor cells</td>
<td>Luca Colucci D'Amato</td>
</tr>
<tr>
<td>16:45–17:00</td>
<td>Sara Terrelli</td>
<td>Expression and functional characterization of ultraconserved non-coding regions 339+ and 8+ in bladder cancer.</td>
<td>Amelia Cimmino</td>
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**17:00 – 17:20**

**Session 6.**

**Cytokines and inflammation**

**Chairman:** F. Mantile, S. Vitale, G. Divisato

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<tr>
<td>17:20–17:30</td>
<td>Stefania Belli</td>
<td>Analysing tumor-stroma crosstalk through the application of a novel 3D Organotypic invasion assay</td>
<td>Maria Patrizia Stoppelli</td>
</tr>
<tr>
<td>17:30–17:45</td>
<td>Francesca Mantile</td>
<td>How different adjuvants and immunization protocols affect the immune response induced by Alzheimer's Disease vaccine (1-11)E2.</td>
<td>Antonella Prisco</td>
</tr>
<tr>
<td>17:45–17:50</td>
<td>Serena Vitale</td>
<td>Differential intestinal cell phenotype and cytokine profiles in svert and potential celiac disease</td>
<td>Carmen Gianfrani</td>
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