Tuesday, September 29 – Aula Conferenze

10:00 - 12:50

Session 1  Structure and Function of Biomolecules
Faculty: R. Fattorusso, A. Fiorentino, C. Isernia, L. Vitagliano, M. Ruvo, P. V. Pedone; G. Malgieri, A. Chamberry, B. D’Arosca, A. Messere, R. Berisio,

Cali Federica 10:00 – 10:15
Unveiling the cellular role of DDX11, a Fe-S cluster DNA helicase, involved in genome maintenance
Tutor: Pisani F.M.

D’ Arosca Gianluca 10:15 – 10:35
The (unusual) aspartic acid in the metal coordination sphere of the prokaryotic zinc finger domain
Tutor: Malgieri G.

Balasco Nicole 10:35 – 10:55
Role of topology and of the intrinsic conformational preferences of aminoacid residues in determining protein three-dimensional structure
Tutors: Vitagliano L. and Isernia C.

Buonanno Martina 10:55 – 11:15
Study of the interaction of the tumor enzyme hCA IX with different intracellular proteins
Tutors: Monti S. M. and De Simone G.

Barone Daniela 11:15 – 11:30
Structural characterization of the Hepatitis C Virus E2 glycoprotein: computational and experimental approaches.
Tutors: Vitagliano L. and Ruggero A.

Russomanno Anna 11:30 – 11:50
Peptide and protein labelling via Intein Chemistry
Tutor: D’ Andrea L.

Di Donato Cristina 11:50 – 12:00
Improvement of the physico-chemical properties of guest molecules by supramolecular systems
Tutor: Iacovino R.

Rega Camilla 12:00 – 12:10
Using mass spectrometry for protein structural and functional studies: studying the Gadd45β/MKK7 complex, a new target in Multiple Myeloma.
Tutor: Chamberry A.

Graziani Vittoria 12:10 – 12:20
NMR characterization and antiproliferative activity of secondary metabolites from fabaceae plants
Tutor: Fiorentino A.

Iacarino Emanuela 12:20 – 12:30
Novel highly constrained peptide ligands for modulating the activity of Cripto and activin-receptor ligands.
Tutors: Ruvo M. and Sandomenico A.

Celentano Veronica 12:30 – 12:50
Chemical Tools for the conformational stabilization of secondary structures in peptides
Tutors: D’Andrea L. C.

13:00 – 14:00 Lunch Break
14:00 – 16:20  
**Session 2**  
*Gene Regulation and Microbiology*

- **Marino Maria Michela** 14:00 – 14:15  
  Study of a CTCF mutant able to bind methylated DNA  
  Tutor: Pedone P.V.
- **Cammissa Marco** 14:15 – 14:35  
  Closely located (T,G)CGCCG motifs are recognized by ZFP57 and lead to maintenance of repressive marks in mouse embryonic stem cells  
  Tutor: Riccio A.
- **Kukreja Harpreet** 14:35 – 14:55  
  Role of ZFP57 in regulating epigenetic dynamics during early embryogenesis  
  Tutor: Riccio A.
- **Sraddha Lad** 14:55 – 15:15  
  Dynamics of the imprinting maintenance ZFP57/KAP1 and associated factors network at DNA methylated targets in pluripotent ES cells and insights into a potential developmental/differentiation role  
  Tutor: Grimaldi G.
- **Perrone Filomena** 15:15 – 15:30  
  Stress response in Mycobacteria  
  Tutor: Muscariello L.
- **Della Corte Kasia** 15:30 – 15:50  
  Production of a human hormone of pharmaceutical interest  
  Tutor: Schiraldi C.
- **Mercurio Maria Emilia** 15:50 – 16:10  
  Synthesis of modified oligonucleotides as post-transcriptional regulators of gene expression  
  Tutor: Messere A.
- **Piccirillo Marina** 16:10 – 16:20  
  Reconstruction of Genetic Network from Gene Perturbations  
  Tutor: Guarracino M.R.

16:20 – 18:30  
**Session 3**  
*Cancer Biology and Immunology*

- **De Vincenzo Anna** 16:20 – 16:40  
  Crosstalk between C-MYC and/or V12-RAS expressing epithelial cells and normal fibroblasts  
  Tutor: Stopelli M.P.
- **Belli Stefania** 16:40 – 16:50  
  The 3D organotypic assay, a new methodology to study tumor-stroma crosstalk  
  Tutor: Stopelli M.P.
- **Durso Montano** 16:50 – 17:10  
  The long non-coding RNA containing ultraconserved genomic regions 8 promotes bladder cancer tumorigenesis  
  Tutor: Cicimmino A.
- **Terreri Sara** 17:10 – 17:20  
  Involvement of T-UCR 339+ in tumorigenesis  
  Tutor: Cicimmino A.
- **Apicella Ivana** 17:20 – 17:40  
  Generation and phenotypic analysis of PIGF-DE knock-in mouse  
  Tutor: De Falco S.
- **Cicatiello Valeria** 17:40 – 18:00  
  Human IgG1 antibodies and IV Ig suppress angiogenesis independently of their target  
  Tutor: De Falco S.
- **Severino Renato** 18:00 – 18:10  
  Innovative “Lab-on-Fiber” biosensors for cancer biomarker detection  
  Tutor: Ruvo M.
- **Mantile Francesca** 18:10– 18:25  
  A consolidation phase in immune memory  
  Tutor: Prisco A.