



Day 1 Tuesday, 3 October 2017

9.30 Andrea Riccio – Opening of the PhDays 2017

10:00 – 12:50 Session 1

Molecular Cell Biology

Chairs: Gabriella Chieffi, Alessandro Usiello, Antonia Lanni, Antonino Colanzi, Pieter De lange, Aurora Daniele, Maria M. Di Fiore, Aniello Russo, Luca Colucci

Manpreet Patheja 10:00 – 10:10

Mechanism of Interaction of Glycerophosphoinositol and Shp-1
Tutor: Alessia Varone

Federica Liccardo 10:10 – 10:20

Novel fluorescent probes for precision labeling in super-resolution microscopy
Tutor: Alberto Luini

Jaipreet Singh Loomba 10:20 – 10:30

Unravelling the molecular details of AUTS2 regulation by Gb3
Tutor: Giovanni D'Angelo

Giuseppe delli Paoli 10:30 – 10:40

Effects of T3 and 3,5 T2 on insulin sensitivity and related metabolic changes in muscle cells treated with fatty acids
Tutor: Pieter de Lange

Narender Kumar 10:40 – 10:50

The IL8-CXCR1/CXCR2 circuit in Thyroid Cancer
Tutor: Rosa Marina Melillo

Stefania Serpico 10:50 – 11:00

The Lysophosphatidic Acid Acyltransferase (LPAATs) Enzymes and their Role in Membrane Transport Alterations in Cancer
Tutor: Carmen Valente

Alba Clara Fernández-Rilo 11:00 – 11:10

Obesity-Driven Neurodegenerative diseases: New insights for new molecular interplayers and therapeutic targets
Tutor: Luigia Cristino

Concetta Iovine 11:10 – 11:20

Synergic effect of curcumin and ellagic acid on genomic stability of human amniotic cells
Tutor: Lucia Rocco

Maria Mangini 11:20 – 11:35

Secretory phospholipase A₂ role in osteoclastogenesis
Tutor: Stefania Mariggìo

Francesco Paolo Iavarone 11:35 – 11:50

Unraveling the inflammatory cells contribution of Cripto to skeletal muscle regeneration
Tutor: Gabriella Minchiotti

Emilia Pascale 11:50-12:05

The Ultraconserved Long Noncoding RNA, T-UCstem1, is required to preserve transcriptional identity and maintain Embryonic Stem Cell self-renewal
Tutor: Annalisa Fico

Marta Panella 12:05-12:20

Isolation and functional characterization of human miR-125a promoter
Tutor: Aniello Russo

Rita Polito 12:20-12:35

Adiponectin expression is specifically related to Common variable immunodeficiency
Tutor: Aurora Daniele

Simona Cataldi 12:35-12:50

Regulation of PPAR γ signaling through alternative splicing and dominant negative isoforms
Tutor: Alfredo Ciccodicola

12:50– 14:00 Lunch Break

Liliana Felicia Iannucci 14:00-14:20

3,5-diiodothyronine (T2) targets different pathways to induce white adipose tissue browning
Tutor: Antonia Lanni

Sara Mancinelli 14:20-14:40

Insight from *Cripto* gene into neuroectoderm and mesoderm cell lineage segregation
Tutor: Giovanna L.Liguori

Prathyush Roy 14:40 – 15:00

Functional organization of matrix proteins of the Golgi – their contribution to the regulation of glycosylation
Tutor: Seetharaman Parashuraman

15:00 – 17:30 Session 2

Gene Regulation and Computational Biology

Chairs: Vincenza Colonna, Aniello Russo, Nicoletta Potenza, Andrea Riccio, Luca Colucci

Amarinder Singh Thind 15:00 – 15:10

Research and development of novel algorithms, methods and software tools for the integration and analysis of data produced by high throughput biological experiments
Tutor: Mario Rosario Guarracino

Basilìa Acurzio 15:10 – 15:20

Molecular mechanisms for maintenance of genomic imprinting in mouse embryonic stem cells
Tutor: Andrea Riccio

Monika Krzak 15:20- 15:30

Statistical analysis of high dimensional omic data
Tutor: Claudia Angelini

Salvatore Fioriniello 15:30– 15:40

Transcriptional and epigenetic deregulation of glycosphingolipid metabolism in Rett syndrome models
Tutor: Floriana Della Ragione

Kumar Parijat Tripathi 15:40 – 15:55

Development of novel approaches and pipelines for the integration and analysis of high throughput transcriptomics data
Tutor: Mario Rosario Guarracino

Daniela Punzo 15:55– 16:10

Changes in the methylation state of DDO, DAO, DAOA and SR genes as a putative mechanism associated to their expression levels in mammalian brains
Tutor: Alessandro Usiello

Alessandra Varavallo 16:10- 16:30

SecreTool: SECRETory Signaling Across Secretory Pathway TOOL
Tutor: Alberto Luini

Roberto Sirica 16:30-16:50

Optimization of variant calling in problematic cases and its application to solve biological questions
Tutor: Vincenza Colonna

Anna Sorrentino 16:50-17:10

PRDM molecular variants *PR-plus* and *PR-minus*: role in physiological differentiation and neoplasia
Tutor: Alfredo Ciccodicola

Marina Piccirillo 17:10-17:30

Inferring cross-talk among genes within the signaling pathways in intra-cellular protein transport: an integrated approach
Tutor: Mario Rosario Guarracino

