The International School of Advanced Molecular BioMedicine

Complex Systems BioMedicine:
Molecules, Signals, Networks, Diseases

AciTrezza (Catania), Italy, October 2nd-6th, 2009

Hieronymus Bosch: Garden of Earthly Delights, 1504
october 2nd, 2009

10.00 – 11.00
Opening Lecture
Genomic Variation in Humans
KH Grzeschik

11.00 - 11.30
Coffee Break

11.30 - 12.30
Lecture
New Methods of Drug Delivery for Optimizing Pharmacokinetics and Minimizing Side Effects
M Magnani

12.30 – 13.00
Discussion

14.30 - 16.00
Workshop Applied Biosystems
Solid 3 Plus – From Gigabases to Terabytes: The New Era for Genomics and Transcriptomics
E Dallepiatte

Methods to Detect Known and Unknown Single Nucleotide Polymorphisms (SNPs)
E Tosi

16.00 - 17.00
Workshop Transgenomic
DHPLC: the Unique Analytical and Preparative Platform to Complete all Genetic and Microbiological Investigations
M Sbalzarini
october 3rd, 2009

09.00 - 10.00
Lecture
**Translational Medicine 1: Examples from Bench to Bedside**
G Pellegrini

10.00 - 11.00
Lecture
**Mesenchymal Models of Differentiation**
V Sottile

11.00 - 11.30
Coffee Break

11.30 - 12.30
Lecture
**Mediated Intracellular Delivery of Therapeutic Molecules**
R Sánchez-Martín

12.30 - 13.00
Discussion

15.00 - 16.00
Lecture
**DNA Methylation from Benchwork to Patient’s Bed**
M Romani

16.00 - 17.00
Lecture
**Diagnostic Application Of PNA Technology**
JJ Díaz-Mochón
October 4th, 2009

09.00 - 10.00
Lecture
Interfacing Whole Cells with PNA-Encoded Peptide Libraries
JJ Díaz-Mochón

10.00 - 11.00
Lecture
Translational Medicine 2: Application of New European Rules to Regenerative Medicine
G Pellegrini

11.00 - 11.30
Coffee Break

11.30 - 12.30
Lecture
DNA Methylation as a Cancer Biomarker and as a Diagnostic Aid
M Romani

12.30 - 13.00
Discussion

15.00 - 16.00
Lecture
Classification of Colorectal Cancer
G Lanza

16.00
Communications

Expression Profile and Specific Network Features of the Apoptotic Machinery
Explain Relapse of Acute Myeloid Leukemia after Chemotherapy
R Angelica

Analysis of EGFR Overexpression and EGFR Gene Amplification in 34 Patients with Glioblastoma. An Immunohistochemical and FISH Study
R Caltabiano
Mappatura di Epitopi Conformazionali di Coxsackie Virus di Gruppo B
Tramite Tecnologia del Phage-Display
S Carnazza

Dynamic Expression of Cx47 in Mouse Brain Development and in the Cuprizone Model of Myelin Plasticity
Catania

Pathogenomics of the Human Apoptotic Machinery: Identification and Prioritization of New Candidate Genes for Diabetes and Network Analysis
LR Duro

Thyrospheres: an in Vitro Model for Human Thyroid Cancer
F Frasca

17.00 - 17.30
Coffee Break

Molecular Markers of Oocytes Quality
MR Guglielmino

MicroRNA Expression Profile in Colorectal Carcinoma after Chemotherapy
A Majorana

Insulin Receptors and Signaling in Pancreatic Alpha Cells
T Maniscalchi

Role of Interferon Regulatory Factor 5 (IRF-5) in Chronic Myeloid Leukemia
L Manzella

Biomarkers nel Carcinoma del Colon-Retto
G Piccolo

Characterization of a Chimeric Mosaic Structure Carrying Erm(B), Tet(O) and Aad(E) Genes in S. Agalactiae
M Santagati

20.30
Social Dinner
October 5th, 2009

09.00 – 10.00
Lecture
Study of Microsphere-Mediated Cellular Delivery by Chemical, Microscopic and Gene Expression Analysis
R Sánchez-Martín

10.00 – 11.00
Lecture
Stem Cells in Adults Tissues – Example of Use to Study Gene Regulation and Disease
V Sottile

11.00 – 11.30
Coffee Break

11.30 – 12.30
Lecture
Molecular Prognostic and Predictive Factors in Colorectal Cancer
G Lanza

12.30 – 13.30
Discussion

15.00 – 16.00
Workshop M-Medical
Licor 4300 System and its Application to Genetic Screening of Fabry Disease
M Petilli
D Nuzzo, IBIM-CNR Palermo

16.00 – 17.00
Workshop Illumina
Innovations in Genomic Analysis: Downstream Analysis of Illumina Sequencing Data
M Cappelletti
October 6th, 2009

09.00 – 10.00

Lecture

An Open Dialogue Between Law and Biomedical Science: Experience, Objectives and Multidisciplinary Approach of ‘Bios & Law’ Research Centre

S Randazzo

10.00 – 11.00

Lecture

Methods of Prediction of Human Splicing

F Piva

11.00 – 11.30

Coffee Break

11.30 – 12.30

Final Lecture

X-Linked Developmental Defects: How to Survive Lethal Mutations?

KH Grzeschik

13.30 – 14.30

CFU Course Examinations

15.00 – 17.00

PhD Final Examinations

17.00 – 17.30

Coffee Break