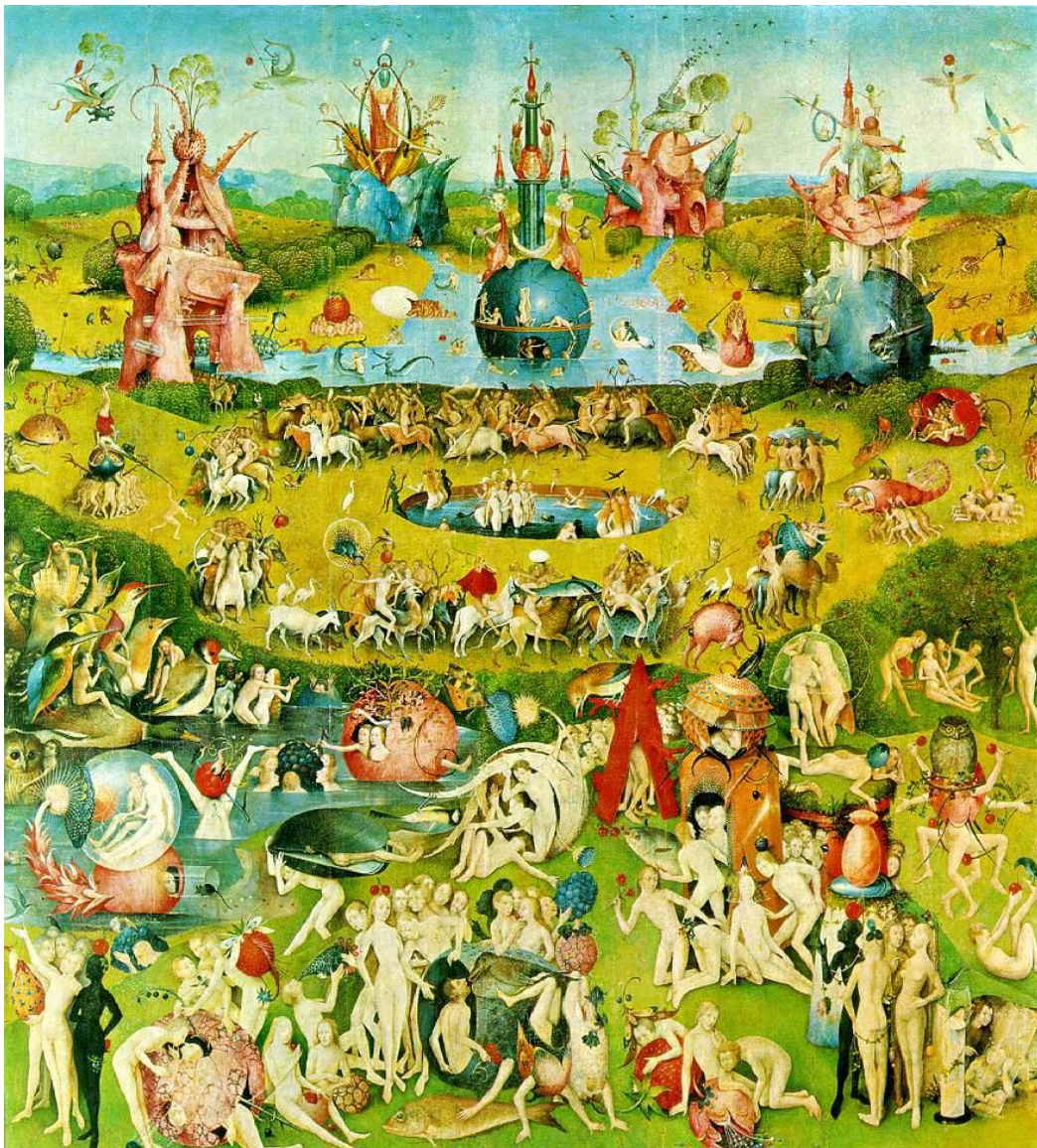


The International School of Advanced Molecular BioMedicine

Complex Systems BioMedicine: Molecules, Signals, Networks, Diseases

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



As beautifully depicted in the paintings by Peter Bruegel father and Hieronymus Bosch, life and organisms are complex. What converts a bunch of disparate molecules into an organized biological structure, capable of performing sophisticated functions such as those involved in development and differentiation? This has been and still is one of the major questions in BioMedicine, with important implications for clinical activities such as diagnosis, therapy, prognosis. The 2009 Course of the **International School of Advanced Molecular BioMedicine** (the fifth) will try to provide some answers, especially focusing on the newborn field of **Signal Biology**, an intellectually fascinating mix of Omic and Complex System BioMedicine, Cell Biology, Molecular Genetics, Pharmacogenomics, Biotechnology, Computational Biology and Bioinformatics. Not only it includes the study of cell networks, signal transduction mechanisms and **Molecular Systems BioMedicine**, but it goes beyond aiming at a global understanding of the rules governing the life of organisms and their cells as well as their implications for disease pathogenesis. Their understanding will allow to appropriately exploit **Molecular Therapeutics** as well as **Regenerative Medicine**.



Directors of The School

M Purrello, C Di Pietro

Scientific Committee

**A Agodi, A Amato, A Biondi, F Cicirata, G De Leo, S Guglielmino, S Lanzafame,
G Li Volsi, R Parenti, M Ragusa, R Rizzo, M Scalia, S Stefani, E Vasquez**

Invited Lecturers

**JJ Diaz Mochon, V Espina, KH Grzeschik, L Liotta, A Luchini, G Pellegrini, F
Piva, S Randazzo, M Romani, R Sanchez Martin, A Sidoti, V Sottile**

Tutors

R Angelica, D Barbagallo, M Barchitta, T Bertuccio, R Caltabiano, L Duro, MR
Guglielmino, A Majorana, L Salito, L Statello, A Zappalà

Aegis

Università degli Studi di Catania, Italy - Facoltà di Medicina e Chirurgia,
Università degli Studi di Catania - Facoltà di Scienze Matematiche, Fisiche,
Naturali, Università degli Studi di Catania - Facoltà di Farmacia, Università degli
Studi di Catania - Dottorato di Ricerca in Biologia, Genetica Umana,
BioInformatica: Basi Cellulari e Molecolari del Fenotipo - Dottorato di Ricerca in
BioTecnologie - Accademia Gioenia di Catania - Associazione Italiana di Biologia
Generale, Cellulare e di Genetica Molecolare (AIBG) - Consorzio
InterUniversitario per le BioTecnologie (CIB) - Ordine dei Medici - Ordine dei
Biologi

Academic and Corporate Sponsors

Facoltà di Medicina e Chirurgia, Università degli Studi di Catania, Italy -
Applied Biosystems - Beckman Coulter - CelBio - Codisan - EuroClone - Illumina -
M Medical - ThermoScientific - Wyeth Lederle

Web Site of the School

<http://www.bgbunict.it>

Web Masters

M Ragusa, D Barbagallo

Course Venue



The School will be held in AciTrezza (<http://www.acitrezza.it>) at the Grand Hotel Faraglioni (Lungomare dei Ciclopi 115, AciTrezza, Catania). The Hotel is located within the beautiful **Riviera dei Ciclopi**, characterized by the sight of *I Faraglioni*: according to the myth, these were thrown by Polyphaemus against Ulysses during his escape. A shuttle service will be available for reaching the Hotel from Catania Airport *Vincenzo Bellini*.

Credits

After the final examination, the School will assign 2 CFU for participation to the Course.