



Ordine
Nazionale
Biologi

GENETICS AND EPIGENETICS GENETICA ED EPIGENETICA

Naples, 15th June 2018

ROYAL CONTINENTAL HOTEL - Lungomare di Napoli, Via Partenope 38/44

Program

Programma

8:30- REGISTRATIONS

REGISTRAZIONI

**1st SCIENTIFIC SESSION - NUCLEOUS REPROGRAMMING
I SESSIONE SCIENTIFICA - RIPROGRAMMAZIONE NUCLEARE**

Chairman - Moderator, Livio Giuliani

9:00 - Introduction

Sen. Vincenzo D'Anna, President of National Collegium of Biologists

09:15 - Predictive Genetics

Genetica predittiva

Fiorella Gurrieri, Professor at University "S. Cuore", Rome

**9:45 - The human genome as a personal book
to read disease predisposition and gene editing**

**Il genoma umano come un libro personale
per leggere la predisposizione alla malattia e la modifica genetica**

Franco Salvatore, Founder and Former President of CEINGE, Naples

Former Professor at University "Federico II", Naples

Golden Medal of MIUR, Fellow of Accademia Nazionale delle Scienze, Naples

**10:15 - Induced Pluripotent Stem Cells (iPSCs)
and Cardiac Progenitor Cells (CPCs)**

**Cellule Pluripotenti Staminali Indotte (iPSCs)
e Cellule Progenitrici Cardiache (CPCs)**

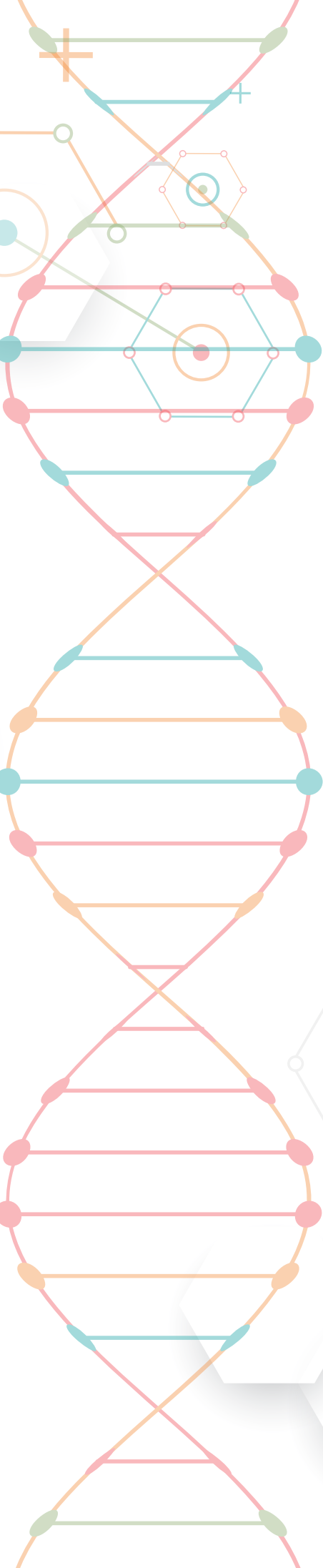
Elisa Di Pasquali, CNR Researcher, Humanitas Institute Sr. Researcher, Milan

10:45 - Coffe Break

**11:00 - LECTIO MAGISTRALIS: Reprogramming mature cells
in multipotent stem cells**

Riprogrammazione delle cellule mature in cellule multipotenti

John B. Gurdon, Nobel Laureate, The John Gurdon Institute, University of Cambridge



**12:00 - LECTIO MAGISTRALIS: Genes Transfer in Animals
Trasferimento genico negli animali**

**Mario Capecchi, Nobel Laureate, Professor at Department of Human Genetics,
University of Utah
School of Medicine, Salt Lake City**

13:00 - LUNCH BREAK

**2nd SCIENTIFIC SESSION: GENOME EDITING
II SESSIONE SCIENTIFICA: GENOME EDITING
Moderatore - Chairman, Sen. Vincenzo D'Anna**

**14:30 - Lysosomes: gene aided regulators of cell metabolism
Lisosomi: regolatori del metabolismo cellular guidati dai geni**

**Andrea Ballabio, Chief of Telethon Institute of Genetics and Medicine (TIGEM), Pozzuoli
Professor at University "Federico II", Naples
Visiting Professor at Baylor College of Medicine, Houston, Louise-Jeantet
Laureate for Medicine 2016**

**15:00 - LECTIO MAGISTRALIS: Mechanisms of Genes Silencing in Plants
Meccanismi di silenziamento genico nelle piante**

**Sir. David Baulcombe, Regius Professor of Botany, Professor at Department of Plant
Sciences, University of Cambridge**

**16:00 - Genome Editing: a revolution in prevention, medicine
and biotechnology**

**Genome Editing: una rivoluzione della prevenzione, della medicina
e della biotecnologia**

**Alessandro Quattrone, Center of Integrated Biology
Professor at Laboratory of Translational Genomics, University of Trento**

**16:30 - evoCas9: the molecular clippers of DNA
evoCas9: le forbici molecolari del DNA**

**Anna Cereseto, Center of Integrated Biology
Researcher at Laboratory of Molecular Virology, University of Trento
(invited, to be confirmed)**

**DISCUSSION
DISCUSSION**

**17:00 - Scheduled Interventions
Interventi programmati**

**17:45 - Chairing and Conclusions
Conclusioni e moderazione**

Sen. Vincenzo D'Anna, Presidente dell'Ordine Nazionale dei Biologi

**Scientific Seretaryiat - Organizzazione scientifica
Prof. Livio Giuliani, Dirigente di Ricerca of Italian National Health Service**