

ORGANISING SECRETARIAT

Lavinia Galli

Fondazione Umberto Veronesi
Piazza Velasca, 5 - 20122 Milano - Italy
Telephone: +39 02 76018187 - Fax: +39 02 76406966

info@thefutureofscience.org - www.thefutureofscience.org

FIFTH WORLD CONFERENCE ON
THE FUTURE OF SCIENCE™



The DNA Revolution

VENICE, SEPTEMBER 20-22, 2009

LOCATION: **Fondazione Giorgio Cini** - Island of San Giorgio Maggiore

DEDICATED SHUTTLE BOAT. During the Conference days a free shuttle boat service to/from San Zaccaria (in front of Hotel Jolanda) - Cini Foundation will be arranged for participants.

TIMETABLE SEPTEMBER 20: San Zaccaria > Cini 4.00 p.m. - 4.20 p.m. - 4.40 p.m.
Cini > San Zaccaria 8.30 p.m. - 9.00 p.m.
SEPTEMBER 21: San Zaccaria > Cini 8.00 a.m. - 8.20 a.m. - 8.40 a.m.
Cini > San Zaccaria 6.00 p.m. - 6.20 p.m.
San Zaccaria > San Toma' (Concert San Rocco) 7.30 p.m.
SEPTEMBER 22: San Zaccaria > Cini 8.20 a.m. - 8.40 a.m.
Cini > San Zaccaria 5.00 p.m. - 5.20 p.m.



SUNDAY, SEPTEMBER 20, 20095.00 p.m. **OPENING CEREMONY****OPENING MESSAGES**

UMBERTO VERONESI Conference President
GIOVANNI BAZOLI President Giorgio Cini Foundation
MARCO TRONCHETTI PROVERA President S. Tronchetti Provera Foundation
KATHLEEN KENNEDY TOWNSEND Conference Vice President
CHIARA TONELLI Conference Secretary General

JAMES WATSON Video Message
RENATO DULBECCO Video Message

OPENING LECTURES

LUIGI LUCA CAVALLI-SFORZA Human evolution between nature and culture
PIER PAOLO DI FIORE Molecular Medicine: a possible Future?
J. CRAIG VENTER Synthetic Life

7.30 p.m. Welcome Cocktail

MONDAY, SEPTEMBER 21, 20099.00 a.m. - 1.00 p.m. **GENOMES, EVOLUTION, BIOTECHNOLOGY**

PAOLO COSTANTINO Chairperson
TELMO PIEVANI Chairperson

EDOARDO BONCINELLI Genes and Genomes through time
GUIDO BARBUJANI Racial catalogs and human biological diversity
CHRIS BOWLER Genomes from the Sea

10.30 a.m. - 11.00 a.m. Coffee break

ENRICA GALLI The diversity of the microbial world: a challenge for the future
MICHAEL BEVAN Crop Plant Genomics for Food Security
CHIARA TONELLI Nutritionally improved crops to alleviate malnutrition and chronic diseases
TIMOTHY HALL Genomics Research in European Programmes

1.00 p.m. - 2.30 p.m. Lunch

2.30 p.m. - 6.00 p.m. **STEM CELLS, DNA AND ETHICS**

GIULIO GIORELLO Chairperson
GIUSEPPE TESTA Chairperson

GIULIO COSSU Stem cells: replacement therapy
OLIVER BRÜSTLE Unleashing the Genome: Maintaining, Reinstating and Exploiting Pluripotency

3.30 p.m. - 4.00 p.m. Coffee break

JOHN HARRIS Bioethics and the Future of Science
AMEDEO SANTOSUOSSO Should privacy be abolished in genetics?
MARCELO SANCHEZ SORONDO Truth, Good and Justice in Scientific Activities
MASSIMIANO BUCCHI Bioethics in public perception and media coverage

8.30 p.m. **CONCERT AT SCUOLA GRANDE DI SAN ROCCO****TUESDAY, SEPTEMBER 22, 2009**9.00 a.m. - 12.30 a.m. **DNA, HUMAN HEALTH AND DISEASE**

CLAUDIO BASILICO Chairperson
GUIDO COGGI Chairperson

WILLIAM HASELTINE The Future of DNA Technology: transforming the material world

VERONICA VAN HEYNINGEN New insights into the mechanisms of human disease

ANDREA BALLABIO Learning biology from the study of genetic diseases

10.30 a.m. - 11.00 a.m. Coffee break

CLAUDIO BORDIGNON Gene Therapy for congenital and acquired disorders: promoting the progress of clinical applications
GEORGE WEINSTOCK Next Generation Microbial Genomics: The Human Microbiome Project
PIER GIUSEPPE PELICCI Longevity Genomics

12.30 a.m. - 2.00 p.m. Lunch

2.00 p.m. - 5.00 p.m. **CANCER GENETICS - AIRC SYMPOSIUM**

MARIA INES COLNAGHI Chairperson
PIER PAOLO DI FIORE Chairperson

UMBERTO VERONESI Biomolecular mechanisms of cancer: the clinical perspective
BRUCE PONDER Common genetic variants, risk, and applications in cancer
DAVID LIVINGSTON Linkages Between Genome Disorder and Breast Cancer Development

3.30 p.m. - 4.00 p.m. Coffee break

DOMINIQUE BONNET Cancer Stem Cells: Getting to the Root of Cancer
YOSEF YARDEN The Era of Genome-based Targeted Therapy of Cancer

CLOSING REMARKS