

**ORGANISING SECRETARIAT**

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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, 2009**5.00 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, 2009**9.00 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**