

**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 17:	San Zaccaria » Cini.....	4.00 PM - 4.20 PM - 4.40 PM
	Cini » San Zaccaria.....	8.30 PM - 8.50 PM - 9.10 PM
SEPTEMBER 18:	San Zaccaria » Cini.....	8.00 AM - 8.20 AM - 8.40 AM
	Cini » San Zaccaria.....	5.50 PM - 6.10 PM - 6.30 PM
SEPTEMBER 19:	San Zaccaria » Cini.....	8.20 AM - 8.40 AM
	Cini » San Zaccaria.....	12.50 PM - 1.10 PM

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ELEVENTH WORLD CONFERENCE ON  
**THE FUTURE OF SCIENCE™**



*Precision Medicine:  
present challenges for future cures*

VENICE, SEPTEMBER 17-19 2015

## THURSDAY - SEPTEMBER 17<sup>th</sup> 2015

### 5.00 PM - 7.00 PM WELCOME ADDRESSES

**Umberto Veronesi** President The Future of Science  
**Giovanni Bazoli** President Giorgio Cini Foundation  
**Marco Tronchetti Provera** President Silvio Tronchetti Provera Foundation  
**Kathleen Kennedy Townsend** Vice President The Future of Science  
**Chiara Tonelli** Secretary General The Future of Science

### OPENING LECTURES

**PRECISELY NOW: THE TIME TO SHAPE PRECISION MEDICINE ACROSS CURE AND CARE**  
**Giuseppe Testa** Professor of Molecular Biology, University of Milan; Director, Laboratory of Stem Cell Epigenetics, European Institute of Oncology

#### AIRC LECTURE

**PRECISION MEDICINE: HOW TO EXPLOIT THE GROWING KNOWLEDGE ON THE EVOLVING GENOMES OF CELLS TO IMPROVE CANCER PREVENTION AND THERAPY**  
**Joseph Costello** Professor of Neurological Surgery, Chair in Molecular Neuro-Oncology, University of California, San Francisco

**LOCAL BIOLOGIES IN THE AGE OF PRECISION MEDICINE**  
**Margaret Lock** Professor Emerita, Department of Social Studies of Medicine and Department of Anthropology, McGill University

7.00 PM WELCOME COCKTAIL

## FRIDAY - SEPTEMBER 18<sup>th</sup> 2015

### 9.00 AM - 12.45 PM MORNING SESSION

#### CHAIRS

**Kathleen Kennedy Townsend** Vice President The Future of Science  
**Giuseppe Testa** Professor of Molecular Biology, University of Milan; Director, Laboratory of Stem Cell Epigenetics, European Institute of Oncology

**DIGITIZING THE ENVIRONMENT: EPIGENOMIC MEDICINE AND THE ENVIRONMENTAL IMPACT ON HEALTH AND DISEASE**

**Pier Giuseppe Pelicci** Professor of Pathology, University of Milan; Director, Department of Experimental Oncology, European Institute of Oncology

**IN GOOD COMPANY: OUR MICROBIAL ECOSYSTEM IN HEALTH AND DISEASE**

**Julie Segre** Senior Investigator, Microbial Genomics Section National Human Genome Research Institute, NIH

**CYBER-PHYSICAL SYSTEMS FOR MEDICAL DATA COLLECTION AND ANALYSIS**

**Alberto Sangiovanni Vincentelli** The Buttner Chair, Department of Electrical Engineering and Computer Sciences, University of California at Berkeley

### PANEL DISCUSSION

11.00 AM - 11.30 AM COFFEE BREAK

**BIG DATA MEETS BIG SCIENCE AND BIG ETHICS: EMERGING TRENDS, REGULATORY CHALLENGES AND OPPORTUNITIES FOR ENGAGEMENT**

**Edward Dove** Global Alliance for Genomics and Health; University of Edinburgh, School of Law

**IS SO-CALLED CLINICAL BIG DATA ACTUALLY SUFFICIENT?**

**Alexander Hoffman** Professor of Microbiology, Director Institute for Quantitative and Computational Biosciences, University of California, Los Angeles (UCLA)

### PANEL DISCUSSION

12.45 PM LUNCH

LANGUAGES: The official languages of the conference are English and Italian. Simultaneous translations into Italian and English are provided.

## 2.15 PM - 6.00 PM AFTERNOON SESSION

#### CHAIRS

**Michela Matteoli** Professor of Pharmacology, Dept. of Medical Biotechnology and Translational Medicine University of Milan; Director CNR Institute of Neuroscience  
**Carlo Alberto Redi** Member of the Accademia dei Lincei; Professor of Developmental Biology, Department of Biology and Biotechnology, University of Pavia

**BIOELECTRONIC MEDICINES - TURNING NEURAL SIGNALING INTO PRECISION THERAPY**

**Kris Famm** Head of Bioelectronics R&D unit at GSK - GlaxoSmithKline, UK

**UNIVERSAL ERADICATION OF HEMOLYTIC DISEASE OF NEWBORN: THE CURHe INITIATIVE**

**Vinod K. Bhutani** Professor of Neonatology, Stanford School of Medicine, California

**GENDER-SPECIFIC MEDICINE: A TASK FOR THE THIRD MILLENNIUM**

**Giovannella Baggio** Full Professor, Chair of Gender Medicine, Department of Molecular Medicine, University of Padua

4.00 PM - 4.30 PM COFFEE BREAK

**DRUGGABLE FUTURE: WHAT IT TAKES AND HOW WE CAN GET THERE**

**Guido Guidi** Head Pharma Region Europe, Novartis

### PANEL DISCUSSION

#### ROUND TABLE

**SOCIETAL AND ETHICAL CHALLENGES OF PRECISION MEDICINE**

#### CHAIR

**Gabriele Beccaria** Journalist of "La Stampa"

**Giovannella Baggio, Giulio Cossu, Carlo Alberto Redi, Giuseppe Testa**

## SATURDAY - SEPTEMBER 19<sup>th</sup> 2015

### 9.00 AM - 1.00 PM MORNING SESSION

#### CHAIR

**Chiara Tonelli** Vice-Rector for Research, Professor of Genetics, Department of BioSciences, University of Milan

**NUCLEAR TRANSFER: GENETIC REPROGRAMMING AND CLONING**

**Carlo Alberto Redi** Member of Accademia dei Lincei; Professor of Developmental Biology, Department of Biology and Biotechnology, University of Pavia

**REGENERATIVE MEDICINE TODAY: ACHIEVEMENTS, HOPES AND HYPES**

**Giulio Cossu** Professor of Regenerative Medicine, University of Milan and University of Manchester

**NEW PAYMENT MODELS TO ENABLE INTEGRATED PERSONALIZED CARE OF CHRONIC PATIENTS**

**Walter Bergamaschi** General Director, Directorate General for Health, Regione Lombardia

10.45 AM - 11.15 AM COFFEE BREAK

**EMERGENT EPIDEMIOLOGICAL TRENDS AND NEW ORGANIZATIONAL MODES FOR HEALTH CARE SYSTEMS**

**Francesco Longo** Professor, Department of Policy Analysis and Public Management and SDA/CERGAS Bocconi University

**OBAMACARE: IT ONLY TOOK 100 YEARS!!**

**Kathleen Kennedy Townsend** Former Lt. Governor, Maryland; Founder and Research Professor, Center for Retirement Initiatives, Georgetown University

### PANEL DISCUSSION

CLOSING REMARKS