



## 11<sup>th</sup> Conference of Italian Researchers in the World

*Program*

**February 26, 2016**

2:00 - 2:30 PM

Opening Ceremony

Plenary Session-Auditorium (I Floor)

*Italian and American National Anthems*

Luca Cicalese, Andrea Duchini

Consul General Elena Sgarbi,

COMITES President Valter della Nebbia

2:30-6:00 PM

*Young Investigators*

*Chairs; Ennio Tasciotti, Daria Zorzi*

2:30 Alberto Falcone: Space Mission Simulation

2:45 Michele Di Pierro: A Predictive Computational Model for Chromatin Folding.

3:00 Alberto Di Ronza: Synergistic Heterozygosity in a Patient with Neurodegeneration and Early Onset Dementia

3:15 Claudia Marino: Hsp60 as a Protective Factor Against Amyloid Beta Misfolding

3:30 Filippa LoCascio: Small Molecules that Modulate Toxic Tau Oligomeric Strains

3:45 Mauro Montalbano: Silencing of the Glypican3 by siRNA Inhibits Growth, Migration, and Invasiveness of Primary Human Hepatocytes (Cancer Precursors) Isolated from Patients with Hepatocellular Carcinoma

4:00 Michela Marcatti: Damaged Mitochondrial DNA as a Potent Inducer of Lung Inflammation

4:15 Emanuele Mocciaro: Short-Pulsed Laser Therapy (SPLT) for Traumatic Brain Injury: Effect on Neurogenesis

4:30 Salvatore Saieva: Peripheral Adipose Tissue Insulin Resistance Alters Lipid Composition and Function of Hippocampal Synapses

4:45 Giacomo Ghirardo: International Accelerator in Austin, TX

5:00 Simone Lolli: Cirrus Cloud Radiative Characteristics from Continuous MPLNET Profiling at GSFC in 2012 (Virtual)

5:15 Ahmad Salameh Nasser: Identification and Characterization of a Functional HER3-Biomarker LINC RNA-HER3, a Long Intragenic ncRNA Estrogen-Responsive Upregulated in Breast Cancer

5:30 Lorenzo Boninsegna: Molecular Dynamics (MD) Simulations

6:45-9:30 PM Arcodoro Restaurant

“Una Cena per la Ricerca Italiana”

Saluto Presidente COMITES

Valter Della Nebbia

Honored Guests

Italian Astronaut Paolo Nespoli

On. Mario Caruso

Cons. CGIE Vincenzo Arcobelli

**February 27, 2016**

Plenary Session-Auditorium (I Floor)

8:30 AM

Apertura dei Lavori (Opening): Andrea Duchini (Logistics)

***Physics***

*Chair: Rodolfo Ambrosetti*

8:40 Alessandro Alabastri: Nanophotonics Enhanced Steam Generation and Water Desalinization

8:55 Massimo Catalano: Aberration Corrected Electron Microscopy Study of 2D Transition Metal Dichalcogenides (TMDS)

Key-Note Speaker

9:10 Alberto Devoto: The DarkSide Collaboration and the Search for Dark Matter

9:30-10:30 AM

**Energy**

*Chair: Ruben Sonnino, Moira Di Mauro-Jackson*

9:30 Brando Ballerini: Grandi Opere Italiane in Kuwait (Italian Public Infrastructure in Kuwait)

9:45 Douglas Stephen: Key Technologies Such as Horizontal Drilling and Hydraulic Fracturing Used to Exploit Unconventional Oil and Gas Reserves

10:00 On. Mario Caruso: Contributo delle Forze Armate Italiane alla Sicurezza e alla Ricerca Tecnologica.

10:30 AM-12:00 PM

**Clinical Medicine**

*Chairs: Andrea Natale; Stefano Sdringola*

10: 30 Maria Elena Bottazzi: The Link Between Parasites and Poverty: Combating Neglected Tropical Diseases Accelerating Translation of Discoveries into New Vaccines

10: 45 Giovanni Filardo: New-Onset Postoperative Atrial Fibrillation (AF)

11:00 Alessandra Ferrajoli: Incidence and Prognostic Impact of Other Cancers in a Population of Long-Term Survivors of Chronic Lymphocytic Leukemia

11:15 Davide Cattano: Echogenic Endotracheal Tubes and Laryngeal Mask Airways: A Reality?

11:30 Carola Gianni: Ablation vs. Amiodarone for Treatment of Persistent Atrial Fibrillation in Patients with Heart Failure (AATAC-AF Multicenter Randomized Clinical Trial)

Key-Note Speaker

11:45 Antonello Bonci: Cellular Memory, Optogenetics, and a Novel Treatment Against Cocaine Abuse (Virtual)

12:00-1:00 PM Lunch Break (Lunch Room II Floor)

Plenary Session: Auditorium (I Floor)

12:30 -2:30 PM

### **Aerospace and Astronomy**

*Chairs: Francesco Fusco, Orazio Chiarenza*

12:30 Antonino Cucchiara: First Stars and Galaxies: The Quest Begins (Virtual)

12:45 Daniele Mortari: “From Broglio’s “Sistema Quadrifoglio” to the Necklace Problem on Flower Constellations”

1:00 Roberto Furfaro: From NASA OSIRIS-REx Asteroid Sample Return Mission to Mars-Lunar Greenhouse Research: Overview of the UA Space Systems Engineering Laboratory

1:15 Cristiana Rastellini, Zarana Patel, Alberto Fucarino: Three-Dimensional Culture of Bronchial Mucosa in Microgravity; An International Collaboration

1:40 Gustavo Priotto, Roberto Trucco: The Italian Gateway to the International Space Station and the Exomars Rover Operations Control Center

2:00 Special Topic; Space Mission Simulation and Astronaut Training

Francesco Fusco, Paolo Nespoli, Diego Urbina (Virtual), Alfredo Garro

2:30-4:00 PM

*Migrations: Helping, Collaborating, Educating, Remembering*

2:30 Chair Francesca D'Alessandro Behr and General Introduction

2:40 Richard Armstrong, Dennis Kunichoff, Pietro Cicalese, Carl Lindahl: Crisis and the University; Responses to the Real World

3:10 Umberto Mucci: We the Italians; Two Flags, One Heart

3:20 Lidia Musumeci, Marcos Moura: For Life Onlus; Progetto per Villaggio Autosostenibile. Missione di Kanawat – Kotido- Karamoja- Uganda [Virtual (10 min.)]

3:40 Vincenzo Arcobelli: L'Emigrazione Italiana in America e nel Mondo

4:00- 4:30 PM

2016 Concorso Letterario: Award Ceremony

Console Generale Elena Sgarbi, On. Mario Caruso, Valter Della Nebbia, Alex Di Bagno

Marina Mocchi, Monica Ercolani, Cristina Giliberti,

4:30-4:50 PM

Presentation of film "Leaves of the Tree" by David Healey introduced by Vincenzo Arcobelli

4:50-6:00 PM

*Successful Adaptation and Integration of Professionals from Italy to the USA in the 21st Century; Past and Future Challenges*

*Chairs; Luca Cicalese, Alessandro Di Bagno, Cristiana Rastellini*

Key-Note Speaker

4.30 Chase Untermeyer: Immigration: The Old but New Issue in US Politics

4.45 Roundtable: Vincenzo Arcobelli (Consigliere CGIE), Del Vecchio Rami, Alberto Devoto, On. Mario Caruso (Italian Parliament), Elena Sgarbi (Consul General of Italy), Valter Della Nebbia (Presidente COMITES Houston)

**Saturday 27, 2016**

**Parallel Session (2<sup>nd</sup> floor large Auditorium Room)**

9:00-10:00 AM

*Bioscience*

*Chairs: Giulio Taglialatela, Mauro Montalbano*

9:00 Eleonora Bartoli: Brain Dynamics During Cognitive Control: Insights from Human Intracranial Recordings

9:15 Enrica De Rosa: Nanoinjection by Porous Silicon Nanoneedles for Intracellular Gene Delivery in Vivo

9:30 Federico Lorenzo: A Heterogeneous Murine Syngeneic Transplantation Model for Breast Cancer Precision Medicine.

9:45 Rosalinda Strano Burton: Pursuing A Child: An Interactive Qualitative Analysis of the Infertility Treatment Experience

10 AM-12 PM

*Percorsi Migratori: Art History, Literature, Geography, and Beyond*

*Chair: Mary Ann Webster, Cristina Giliberti*

10:00 Alberto Dambruoso: Sui Generis Migrations: Burri and Artistic Avant-gardes in America and Italy

10:20 Victoria Surliuga: A Grant Winning Project in the Humanities: Curating Ezio Gribaudo's Theaters of Memory Art Exhibition

10:45 Alberto Giordano: Geography of the Holocaust in Italy

11:00 Angela Lombardi: Texas Classicism: an Analysis of Renzo Piano's Architectural Works in the Lone Star State

11:15 Moira Di Mauro-Jackson: Hidden Voices: Migrants' Voices in Translation - the Use of Italian as a Portal to the West

11:30 Maria Xenia Wells Zevelechi: Paolo Volponi - Adriano Olivetti, a Friendship and Collaboration

11:45 Riccardo Giumelli: In a Time of Glocalisation: Which Meaning for the Made in Italy?

**12:00 -1PM Lunch**

*1:00-3:00 PM*

*Images of Italy (Cinematography )*

*Chair: Alessandro Carrera*

1:00 Fred Kuwornu: Screening of Documentary 18 Ius Soli and Q and A (1 h and 15 min.)

2:15 Antonella Del Fattore-Olson: From Drama to Comedy: Exploring the Portrayal of Mafia in Italian Contemporary Films with Emphasis on *La mafia uccide solo d'estate*

2:45 Paola D'Amora: Uncinematic Nature of white-collar Employment; Italian Films on White-collars Produced Between 1959 and 1983

3:00-3:45 PM

**Special Feature; Italian Researchers from the San Francisco Bay Area (*Virtual Connection*)**

*Chair: Silvia Veronese, Ruben Sonnino*

*Introduction, Silvia Veronese*

3:00 Maurizio Pellegrino: Droplet Microfluidics for Single Cell Genomics

3:15 Davide Pietrobon: Down to Earth: Precision Map-making

3:30 Daniele Filippetto: Ultrafast and Ultrasmall: The Secret Lives of Particle Accelerators

3:45-4.45 PM

*Political Science, Civil Engineering, Finance, Technology*

*Chair: Marco De Prosperis*

3:45 Simone Lucatello: Risk Management and Climate Change in Latin America: the Case of Mexico

4:00 Rodolfo Ambrosetti; Data Science: What is and how and Where It Can Be Applied

4:15 Erika Spissu: A Personalized Travel Planning (PTP) Research Program to Reduce Car Dependence

4:30 Cesare Fracassi: FinTech; Opportunities and Challenges Ahead for the Financial Services Industry