



## Program

# 15th Conference of Italian Researchers in the World 12 December 2020

### 08:30 (CST) – 15:30 (Italian Time) - Sign in

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### 08:45 Welcome

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#### Alberto Pimpinelli

President, Texas Scientific Italian Community (TSIC)

#### Federico Ciattaglia

Consul General of Italy, Houston

### 09:15 Opening Remarks

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#### Vincenzo Arcobelli

Conference Chairman

#### Gaetano Manfredi

Ministro dell'Università e della Ricerca Scientifica

#### Pier Paolo Sileri

Vice Ministro della Salute

#### Francesco Ubertini

Rettore, Università di Bologna

### 09:50 Introduction Associations of Italian Researchers Abroad

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#### Fabio De Furia

President, Miami Scientific Italian Community (MSIC)

#### Antonio Giordano

President, Sbarro Health Research Organization (SHRO)

#### Simone Lucatello

President, Associazione Ricercatori Italiani in Messico (ARIM) &

#### Emilia Giorgetti

Attaché Scientifica Ambasciata d'Italia in Messico

#### Cinzia Zuffada

President, Italian Scientists & Scholars in North America Foundation (ISSNAF)

#### Moderator

#### Patrizia Angelini

Giornalista Rai 1  
Inviata TG1-Uno mattina

### 10:45 Sessions Presentation

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#### AEROSPACE

#### Moderator

#### Francesco Fusco

FISE –Executive Director Foundation for International Space Education

#### Veronica Bindi

Ph.D., University of Hawaii

### Space weather and space radiation for future manned missions to the moon and Mars.

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#### Fabrizio Festa

PA & Safety Engineer, European Space Agency (ESA) - The Hague-Netherlands

### Orion Mission overview and the road to the next humans on the moon

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### 11: 15

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#### ENERGY

#### Moderator

#### Brando Ballerini

President Italy-America Chamber of Commerce, Texas

#### Francesco Balestrino

Renewable and Green Technologies product Manager Xsight Division

### Floating offshore wind Hexafloat Saipem Solution

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### 11:30

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#### MEDICINE

#### Moderator

#### Sara Molinari

Ph.D., Biology Engineering  
Rice University - Houston, Texas

#### Gabriele G. Schiattarella

M.D. Ph.D., Assistant Professor of Cardiology, Università Federico II of Naples, Italy and UT Southwestern Medical Center, Dallas, Texas

#### Alessio Fasano

M.D., Director at Harvard University Center for Celiac Research, and Director of the Mucosal Immunology and Biology Research Center (MIBRC) at MassGeneral Hospital for Children (MGHfC)

### The Healing Power of Nutrition: How Diet Can Reshape Gut Microbiome And Influence The Balance between Health And Disease

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#### Bruna Corradetti

Ph.D., Houston Methodist Research Institute, Houston, TX  
Swansea University Medical School, Swansea, UK

### Biomimetic and Immunomodulatory Strategies for the Treatment of Chronic Conditions



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### Frank M. La Ferla

Ph.D., Dean and Chancellor's  
Professor School of Biological  
Sciences  
University of California

### Studying and Treating Alzheimer's Disease and the Role of Animal Models

### Andrea Natale

M.D., Executive Director of the Texas  
Cardiac Arrhythmia Institute at St.  
Davis Medical Center in Austin Texas,  
and the National Medical Director of  
Cardiac Electrophysiology for HCA  
Healthcare

### The Rationale for an Atrial Fibrillation Center of Excellence

### Camillo Ricordi

M.D., Stacy Joy Goodman Professor  
and Director of the Diabetes Research  
Institute and the Cell Transplant  
Center at the University of Miami

### Umbilical Cord Derived Mesenchymal Stem Cell

Infusions for Treatment of Subjects  
with COVID-19 and Acute Respiratory  
Distress Syndrome: a Double Blind,  
Randomized Controlled Trial

### Enrico Santus

Ph.D., Senior Data Scientist at Bayer  
New Jersey

### Artificial Intelligence: Challenges and Opportunities in the Health Care

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**13.15**

**STEAM**

### Introductory Speaker

### Antonino Zichichi

Emeritus Professor of UNIBO  
Former President of the World  
Federation of Scientists

### Moderators

### Alessandro Alabastrì

Ph.D., Assistant Professor, Electrical  
and Computer Engineering  
Rice University, Houston, Texas

### Lorenzo Brancaleon

AP Department of Physics and  
Astronomy University of Texas at San  
Antonio

### Angela Lombardi

Ph.D., Historic Preservation Program  
at University of Texas at San Antonio

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### Mauro Degli Esposti

Senior Researcher Fellow Center for  
Genomic Science UNAM, National  
Autonomous University of Mexico

### On the Origins of Cellular Respiration

### Fabio Finocchi

CNRS Senior Researcher  
Institut des NanoScience de Paris  
(INSP) and Sorbonne Universités,  
France

### Nuclear Quantum Effects in Condensed Matter

### Giulia Galli

Liew Family Professor of Molecular  
Engineering & Chemistry, University  
of Chicago  
Senior Scientist and Director of  
MICCoM – Argonne National  
Laboratory

### Materials and Molecules through In- silico Lenses

### Giuseppe Loianno

Director of the Agile Robotics and  
Perception Lab, NYU Tandon School of  
Engineering

### Challenges and Opportunities for Autonomous Navigation of Micro Aerial

### Matteo Pasquali

Ph.D., Director, The Carbon Hub  
Department of Chemical &  
Biomolecular Engineering Department  
of Chemistry  
Department of Materials Science &  
NanoEngineering  
The Smalley-Curl Institute

### The Materials-Energy-Climate Nexus and How it Could Be Solved Making Materials Directly from Hydrocarbons

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**14:45**

### HUMANITIES

### Moderators

### Francesca D'Alessandro Behr

Professor of Italian and Classis,  
Department of Modern & Classical  
Languages, University of Houston

### Moira Di Mauro-Jackson

Ph.D., Italian Program Coordinator  
Department of World Languages and  
Literatures  
Texas State University, San Marcos

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### Jason Houston

Professor of Humanities and Dean of  
the Gonzaga in Florence Program  
Gonzaga University



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#### **“Bronzino’s Portrait of Dante: Exile and Lust”**

Daniela Bini

Professor of Italian Studies and  
Comparative Literature  
Department of French and Italian  
The University of Texas, Austin

#### **“Il libro dei sogni: Fellini’s Dreams and Nightmares”**

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**15:30 Final Remarks**

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