



M8Alliance
Academic Health Centers, Universities and National Academies



WORLD
HEALTH
SUMMIT



SAPIENZA
UNIVERSITÀ DI ROMA

**WORLD HEALTH SUMMIT
REGIONAL MEETING 2022**
SCIENCE – INNOVATION – POLICIES
ITALY, ROME & DIGITAL

SAPIENZA UNIVERSITY OF ROME
JUNE 15-17, 2022

**WORLD HEALTH SUMMIT
REGIONAL MEETING
ITALY, ROME**
JUNE 15-17, 2022



WORLD
HEALTH
SUMMIT

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WELCOME MESSAGE



Dear Colleagues, Dear Friends,

Welcome to the 2022 World Health Summit Regional Meeting hosted in Rome by Sapienza University!

As you know, the World Health Summit Regional Meeting takes place every year in different parts of the world in addition to the annual World Health Summit in Berlin and brings regional topics to the forefront.

Each Regional Meeting is hosted by the M8 Alliance member holding the World Health Summit International Presidency, which rotates every year.

The M8 Alliance of Academic Health Centers, Universities and National Academies is a growing network and currently consists of 30 members in 20 countries, including the InterAcademy Partnership (IAP), which represents the national academies of medicine and science in 130 countries.

Sapienza University has been an M8 Alliance member since 2015 and is very honored and proud to organize for the first time the Summit in Italy.

The COVID-19 pandemic has shown how we are interconnected as a global community, so in this summit more than 100 speakers will debate the improvement of global health and the development of scientific solutions to health challenges in more than 20 sessions, discussing these important topics:

- *Vaccine Development and Policies: Challenges and Strategies*
- *Healthcare Systems*
- *Metabolic Syndrome and Chronic Diseases*
- *New Technologies and Personalized Therapies*
- *New Frontiers in Healthcare Promotion*

So, we are sure that during the Summit scientific interactions and networking possibilities can create opportunities for future health problems solutions and research collaborations; we want to be proactive in investing in scientific research and education, supporting technological innovations and promoting the wellbeing of humanity.

WELCOME MESSAGE



On behalf of the WHS Regional Meeting Organizing Committee, I welcome you all to Rome:

I hope you will have a remarkable scientific experience during the Summit and I am sure that you can also taste the magical atmosphere of Rome, the eternal City.

Eugenio Gaudio

*President of the Organizing Committee
World Health Summit Regional Meeting 2022*

ABOUT THE WORLD HEALTH SUMMIT REGIONAL MEETING



SCIENCE - INNOVATION - POLICIES

We announce that the World Health Summit Regional Meeting 2022, Italy, Rome will take place in Sapienza University of Rome on June 15-17, 2022.

Each year, the Regional Meeting integrates the program of the prestigious World Health Summit which takes place at the end of October in Berlin. The Regional Meeting is held in late spring, and is hosted by a member of the M8 Alliance of Academic Health Centres, Universities and National Academies, that holds the World Health Summit International Presidency for that year. The past eight meetings were in Singapore (2013), Sao Paulo-Brazil (2014), Kyoto-Japan (2015), Geneva-Switzerland (2016), Montreal-Canada (2017) Coimbra-Portugal (2018)), Kish Island-Iran (2019), Kampala-Uganda (2021).

The Program is structured in more than 20 expert sessions where 2 chairpersons and 4/5 experts through their contributions will offer the starting point for a debate, to which ample space will be given. The sessions and the structure of the entire event are intended to offer points for discussion and debate that, in addition to scientists, involve stakeholders such as legislators / politicians, innovators,

pharmaceutical industries, NGOs.

Plenary sessions are also planned which, in addition to the Opening Ceremony and the Closing Ceremony, include four Keynote Lectures and which will take place in the prestigious Aula Magna at Sapienza Rectorate. The Regional Meeting 2022, Italy, Rome through an intense scientific program and an ambitious work schedule, completely fits the wake of the objectives of the World Health Summit, which are the improvement of global health and the development of scientific solutions to health challenges.

Sapienza University of Rome will be the appropriate venue for scientific discussion and sharing of knowledge and technological advances in the field of human health. The intent is to point the spotlights for two and a half days on global and public health, an even more meaningful debate after the long months of the COVID-19 pandemic.

For 2022 the International Presidency of the World Health Summit is assigned to Sapienza University of Rome which is the only Italian institution member of the M8 Alliance.

ABOUT THE M8 ALLIANCE



The M8 Alliance of Academic Health Centers, Universities and National Academies is the academic foundation of the World Health Summit.

It is a growing network and currently consists of 30 members in 20 countries, including the InterAcademy Partnership, which represents the national academies of medicine and science in 130 countries.

The M8 Alliance was initiated by Charité Universitätsmedizin – Berlin in 2009 on the occasion of the first World Health Summit.

The goal of the M8 Alliance: Agenda-setting for global health improvement and development of science based solutions to global health challenges.

The International Presidency of the World Health Summit rotates annually among members of the M8 Alliance.

As a result of each World Health Summit the M8 Alliance issues the M8 Alliance Declaration: recommendations for action to international policymakers.

The M8 Alliance organizes annual Regional Meetings in the member countries, regular Expert Meetings, and Summer Schools.

RECTORATE

Aula Magna
Registration
Lunch and Coffee Point

FACULTY OF LAW

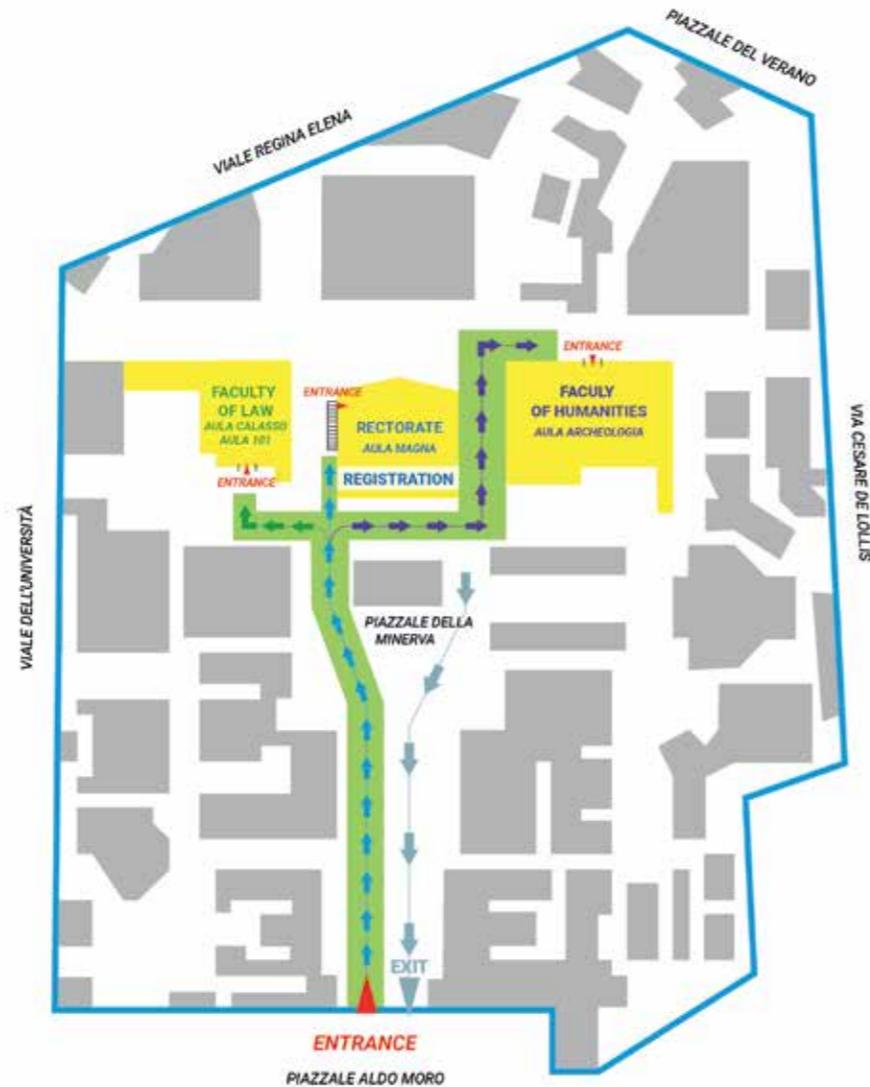
Aula Calasso
Aula 101

FACULTY OF HUMANITIES

Aula Archeologia
Lunch and Coffee Point

VENUE

Sapienza University of Rome
Piazzale Aldo Moro, 5
00185 Roma RM



WEDNESDAY, JUNE 15

	RECTORATE	FACULTY OF LAW AULA CALASSO	FACULTY OF LAW AULA 101	FACULTY OF HUMANITIES AULA ARCHEOLOGIA	DIGITAL TRACK	DIGITAL TRACK
2:00 PM – 4:30 PM	Sala Organi Collegiali M8 Assembly For M8 Members Only					
2:30 PM – 5:30 PM	Onsite Pre-Registration					
				3:00 PM – 4:30 PM	DT 1	DT 2
					New Frontiers in Healthcare Promotion A look into the future of the COVID-19 pandemic: the experience of Italy	New Frontiers in Healthcare Promotion Digitalization and secondary use of health data, in terms of impact on public health, on planning/sustainability of the Health Care System and on the proximity of care

 Sessions

 Keynote

 Digital Track

THURSDAY, JUNE 16

	RECTORATE AULA MAGNA	FACULTY OF LAW AULA CALASSO	FACULTY OF LAW AULA 101	FACULTY OF HUMANITIES AULA ARCHEOLOGIA	DIGITAL TRACK
7:45 AM – 8:45 AM	Onsite Registration				
8:45 AM – 9:45 AM	Opening Ceremony				
9:45 AM – 10:30 AM	KEY 01 Vaccine Development and Policies: Challenges and Strategies Building Societal Cooperation and Cohesion: The next Big Global Health Challenge				
10:30 AM – 11:00 AM	<i>Coffee/tea break</i>			<i>Coffee/tea break</i>	
11:00 AM – 12:30 PM	SESSION 1A Vaccine Development and Policies: Challenges and Strategies Vaccine Hesitancy	SESSION 1B Healthcare Systems Economic-Financial Sustainability of Healthcare Systems	SESSION 1C Metabolic Syndrome and Chronic Diseases Obesity and Diabetes: Present and Future Challenges in the Global Health Era	SESSION 1D New Technologies and Personalized Therapies The Information Technology, Artificial Intelligence and Digital Health Revolution	DT 3 New Frontiers in Healthcare Promotion Climate Change and Impact on Respiratory Diseases: How to Balance Patient and Planet Health
12:30 PM – 1:30 PM	<i>Lunch</i>			<i>Lunch</i>	
1:30 PM – 3:00 PM	SESSION 2A Vaccine Development and Policies: Challenges and Strategies From Polio to Measles and Rubella: Eradication Strategies	SESSION 2B Healthcare Systems Healthcare Coverage in Developing Countries	SESSION 2C Metabolic Syndrome and Chronic Diseases Neurodegenerative Diseases: New Frontiers in Research and Healthcare	SESSION 2D New Technologies and Personalized Therapies Genome Editing Science and Ethics	DT 4 New Frontiers in Healthcare Promotion The Critical Role of Nutrition in the Global Health Agenda
3:00 PM – 3:15 PM	<i>Coffee/tea break</i>			<i>Coffee/tea break</i>	
3:15 PM - 4:00 PM	KEY 02 Metabolic Syndrome and Chronic Diseases Network Medicine: Novel Approaches to Human Disease and Therapeutics. Emphasis on Cardiometabolic Diseases	SESSION SPINE 20 (until 4:30 PM) Spine 20, a G20 Advocacy Group for the Prevention and Care of the Global Burden of Spinal Diseases			
4:30 PM - 10:00 PM	Social Programme				

FRIDAY, JUNE 17

	RECTORATE AULA MAGNA	FACULTY OF LAW AULA CALASSO	FACULTY OF LAW AULA 101	FACULTY OF HUMANITIES AULA ARCHEOLOGIA	DIGITAL TRACK	DIGITAL TRACK
9:15 AM – 10:00 AM	KEY 03 New Technologies and Personalised Therapies Personalized health: evidence, prediction, ethics, and reproducibility					
10:00 AM – 10:30 AM	<i>Coffee/tea break</i>			<i>Coffee/tea break</i>		
10:30 AM – 12:00 PM	SESSION 3A Vaccine Development and Policies: Challenges and Strategies Vaccinology in the Post-COVID-19 Era	SESSION 3B Healthcare Systems Biomedical Education	SESSION 3C Metabolic Syndrome and Chronic Diseases Cardiovascular Health Surveillance in the Post-COVID-19 Era	SESSION 3D New technologies and personalized therapies Robotic Applications in Medicine	DT 5 New Frontiers in Healthcare Promotion Rising to the challenge of delivering precision medicines for chronic diseases	DT 6 New Frontiers in Healthcare Promotion Fighting Antimicrobial Resistance: from Basic to Clinical Science
12:00 PM – 1:15 PM	<i>Lunch</i>			<i>Lunch</i>		
1:15 PM – 2:45 PM	SESSION 4A Vaccine Development and Policies: Challenges and Strategies Vaccines for Neglected Diseases Malaria Vaccine Development	SESSION 4B Healthcare Systems Implications of Climate Changes on Health	SESSION 4C Metabolic Syndrome and Chronic Diseases Lifestyles and Health Promotion	SESSION 4D New technologies and personalized therapies Precision Oncology	DT 7 New Frontiers in Healthcare Promotion Young Physician Leaders	DT 8 New Frontiers in Healthcare Promotion Global health in interreligious perspective
2:45 PM – 3:15 PM	<i>Coffee/tea break</i>			<i>Coffee/tea break</i>		
3:15 PM - 4:00 PM	KEY 04 Healthcare Systems Closing the Gap in Global Health: Learning from Exemplary Health Systems					
4:00 PM – 4:45 PM	Closing Ceremony					

PROGRAM

THURSDAY, JUNE 16

**WORLD HEALTH SUMMIT
REGIONAL MEETING
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**WORLD
HEALTH
SUMMIT**

**OPENING CEREMONY
8:45 AM - 9:45 AM**

Inaugural Welcome

“Overture” performed by MuSa
Conducted by *Maestro Francesco Vizioli*

Opening Remarks

Eugenio Gaudio
WHS International President 2022

Welcome Addresses by the authorities:

Ewa Kopacz (Video message)
Vice-President EU Parliament
Antonella Polimeni
Rectress Sapienza University of Rome
Roberto Speranza
Minister of Health
Maria Cristina Messa
Minister of University and Research
Axel Radlach Pries
President World Health Summit

Closing Remarks

Luciano Saso
WHS International President 2022
Musical “Intermezzo” performed by MuSa
conducted by *Maestro Francesco Vizioli*



Eugenio
Gaudio

Ewa
Kopacz



Antonella
Polimeni

Roberto
Speranza



Maria Cristina
Messa

Axel
Radlach Pries



Luciano
Saso

KEY 01

RECTORATE
AULA MAGNA

9:45 AM - 10:30 AM

KEYNOTE

**VACCINE DEVELOPMENT AND POLICIES:
CHALLENGES AND STRATEGIES**

**BUILDING SOCIETAL COOPERATION AND COHESION:
THE NEXT BIG GLOBAL HEALTH CHALLENGE**

The 2022 Risk Report of the World Economic Forum identified the erosion of social cohesion as the risk which worsened the most dramatically during the Covid Pandemic. They measured an almost 30% decline in societal cohesion – including fracturing of social networks, persistent public anger, distrust, divisiveness, lack of empathy, marginalization and political polarization – at a time when global health has depended more than ever on societies cooperating in the face of the worst pandemic in a century.

What went wrong? Why are scientists facing such high levels of verbal and physical attacks at the same time as we are witnessing some of the most fantastic scientific advances and managed to achieve over 10 billion people vaccinated around the world with vaccines that were not even available three years ago?

One report identified 360 incidents against health staff across 56 countries in the first 6 months of 2020 – most were members of the public, patients and families.

While there have undoubtedly been a number of achievements and successes in the context of the pandemic, we cannot move ahead towards achieving other local and global health goals without recognizing the changed environment we are living in.

Prof Heidi Larson will map out some of the changed features in the public and its relationship with scientists and health professionals, scientific and health institutions, and government more broadly and propose strategies to consider for the way forward.



KEYNOTE SPEAKER

Heidi Larson
Director, The Vaccine Confidence Project,
Professor of Anthropology,
Risk and Decision Science,
London School of Hygiene
and Tropical Medicine, UK
and University of Antwerp,
Belgium

SESSION 1A

RECTORATE
AULA MAGNA

11:00 AM – 12:30 PM

SESSION A

**VACCINE DEVELOPMENT AND POLICIES:
CHALLENGES AND STRATEGIES**

VACCINE HESITANCY

Vaccine hesitancy has been defined by the Strategic Advisory Group of Experts on Immunization (SAGE) as a “delay in acceptance or refusal of vaccines despite the availability of vaccine services” and it is a phenomenon so troubling that, already in the pre-pandemic era, it was listed by the World Health Organization as one of the ten main threats to global health. The COVID-19 pandemic has reinforced the call for implementing public health interventions aimed at addressing vaccine hesitancy. To guide public health policies through evidence-based strategies, monitoring the trend of the phenomenon and analyzing its determinants, which could be different in different countries, is a strategic action recognized at the international level. In this session speakers authoritative in the field will discuss vaccine hesitancy, building on the experience of the Vaccine Confidence Project to implement actions in response to misinformation about vaccines and analyzing some of the key characteristics of the pandemic era: introduction of novel vaccines, incentives and mandates, vaccination policies. Finally, modeling the impact of vaccination decisions on the spread of infections will be discussed.

CHAIRS

Alessia Melegaro

Associate Professor in Demography and Social Statistics and Director of the Covid Crisis Lab, Bocconi University, Milan, Italy

Paolo Villari

Full Professor of Hygiene, Sapienza University of Rome, Italy



Alessia Melegaro

Paolo Villari

SPEAKERS

Alessia Melegaro

Associate Professor in Demography and Social Statistics and Director of the Covid Crisis Lab, Bocconi University, Milan, Italy

Daniel Salmon

Professor and Director, Institute for Vaccine Safety, Johns Hopkins University School of Public Health, USA



Alessia Melegaro

Daniel Salmon

Pauline Paterson

Assistant Professor, Department of Infectious Disease Epidemiology, London School of Hygiene and Tropical Medicine, UK

Pierre Van Damme

Professor in Vaccinology, University of Antwerp, Belgium



Pauline Paterson

Pierre Van Damme

SESSION 1B

FACULTY OF LAW
AULA CALASSO

11:00 AM – 12:30 PM

SESSION B

HEALTHCARE SYSTEMS

**ECONOMIC-FINANCIAL SUSTAINABILITY
OF HEALTHCARE SYSTEMS**

The world's population continues to grow, age, and urbanize. Inequities in the global burden of disease remain, and are worsening in some areas. Health spending has been increasing over the last decades. Current challenges faced by health systems – including the Covid-19 pandemic and the climate crisis - pose additional concerns regarding whether societies can sustain continuous health spending growth. Health workforces are stressed.

This context raises three major issues:

- To recognize the *"critical challenge...to increase the proportion of [health] finance...and govern it [more effectively]"* (WHO Council).
- The need for a holistic health approach (often mentioned but largely neglected), to meet the goal of health for all.
- The call for policymakers to prioritize health and invest in strong and well-governed health systems and strong social safety nets that leave no one behind.

These lessons are not new but have not been acted upon sufficiently. Now is an inflection point. Our mandate is to fuel debate, widen participation, collect and connect perspectives, globally, to identify solutions that we all need.

CHAIRS

Ann Kurth

Dean and Linda Koch
Lorimer Professor of
Nursing, Yale University,
USA

Ferdinando Romano

Full Professor of Hygiene,
Sapienza University
of Rome, Italy



Ann Kurth



Ferdinando Romano

PROGRAM, THU 16

SPEAKERS

Ali Jafarian

Professor, Tehran
University of Medical
Sciences, Iran



Ali Jafarian

Gualtiero (Walter) Ricciardi

Full Professor of Hygiene
and Public Health,
Università Cattolica del
Sacro Cuore, Rome, Italy



Gualtiero (Walter) Ricciardi

SESSION 1C

FACULTY OF LAW
AULA 101

11:00 AM – 12:30 PM

SESSION C

METABOLIC SYNDROME AND CHRONIC DISEASES

OBESITY AND DIABETES: PRESENT AND FUTURE CHALLENGES IN THE GLOBAL HEALTH ERA

The twin epidemic of obesity and diabetes is a major crisis globally. Several epidemiologic studies reveal a parallel escalation of these two conditions. Around 592 million people will be living with the diabetes in another 25 years' time and obesity currently affects more than 600 million people worldwide with high prevalence mainly in the middle-income countries. The profound changes in the quality, quantity and sources of food consumed, compounded by decreased physical activity underlie these increases. Obesity and diabetes are associated with several comorbidities, among which atherosclerotic cardiovascular diseases stand out. Moreover, obesity and diabetes are pathophysiologically linked to each other by defects of insulin action. The scope of this workshop is to present the most updated description of the burden of obesity and diabetes as well as of associated comorbidities worldwide and to describe the environmental factors that are at the root of their increase. Some proposed metabolic defects unifying diabetes and obesity to their vascular complications will be discussed and the current and future strategies to prevent and manage these two conditions will be highlighted.

CHAIRS

Marcello Arca
Full Professor of Internal Medicine, Sapienza University of Rome, Italy

Marja-Riitta Taskinen
Emerita Professor of Medicine and group leader, University of Helsinki, Finland

SPEAKERS

Jan Borén
Professor and Director, Institute of Medicine, University of Gothenburg, Sweden

Johanna Ralston
CEO, World Obesity Federation, UK

Raffaella Buzzetti
Professor of Endocrinology, Sapienza University of Rome, Italy

Guillermo E. Umpierrez
Professor of Medicine and President of the American Diabetes Association for Medicine and Science, Emory University, USA



Marcello Arca

Marja-R. Taskinen



Jan Borén

Johanna Ralston



Raffaella Buzzetti

Guillermo E. Umpierrez

PROGRAM, THU 16

SESSION 1D

FACULTY OF HUMANITIES
AULA ARCHEOLOGIA
11:00 AM – 12:30 PM



SESSION D

NEW TECHNOLOGIES AND PERSONALIZED THERAPIES

THE INFORMATION TECHNOLOGY, ARTIFICIAL INTELLIGENCE AND DIGITAL HEALTH REVOLUTION

Artificial Intelligence and Big Data Analytics represent an unprecedented opportunity for progress in global Health sector, for healthcare practitioners, policymakers, administrators and service users alike. To name some main areas of application:

- Machine Learning can support the prediction of health risks and personalized therapies for various populations of people, based on heterogeneous data types such as electronic health records, medical imaging, and biological data; it can also help sustainable financing and smart surveillance;
- Robotics helps surgeons achieve greater speed and accuracy, as well as aids in other tasks such as cleaning and disinfecting, moving beds and patients;
- Internet of Medical Things, the Internet of Connected Medical Devices, supports seamless remote monitoring of patients with chronic or long-term conditions.

These opportunities also come with many challenges, such as, to name a few: preserving privacy, a fundamental requirement for eHealth systems; defining standards for data integration and exchange; and ensuring the quality, trustfulness, and fairness of AI-based decision support systems.

This session will present the experiences of users and solution providers in areas such as digital pathology, digital therapeutics and personalized diagnosis in radiology, analyzing benefits and open issues.

CHAIRS

Maurizio Lenzerini
Full Professor of Data and Knowledge Management, Sapienza University of Rome, Italy

Paola Velardi
Full Professor of Machine Learning and Business Intelligence, Sapienza University of Rome, Italy

SPEAKERS

Roberto Ascione
CEO & Founder Healthware Group

Andrea Laghi
Full Professor of Radiology, Sapienza University of Rome, Italy

Ran Balicer
Chief Innovation Officer for Clalit, Israel

Colin White
Senior Vice President and General Manager, Advanced Staining & Imaging Leica Biosystems



Maurizio Lenzerini



Paola Velardi



Roberto Ascione



Andrea Laghi



Ran Balicer



Colin White

SESSION 2A

RECTORATE
AULA MAGNA

1:30 PM – 3:00 PM

SESSION A

**VACCINE DEVELOPMENT AND POLICIES:
CHALLENGES AND STRATEGIES**

FROM POLIO TO MEASLES AND RUBELLA:
ERADICATION STRATEGIES

Eradication and elimination of infectious diseases are increasingly a part of the global health agenda. The Global Polio Eradication Initiative is more than a global health program focused on the elimination of a single disease. It is a multifaceted and sophisticated global public health partnership that applies the expertise and experience of its workforce and infrastructure to identify and respond to outbreaks of disease, strengthen health systems, build public confidence in vaccines, strengthen health systems, and reach the world's most vulnerable populations with polio vaccine and other essential health interventions.

While the measures used to mitigate COVID-19 have reduced the spread of the measles virus, countries and global health partners must prioritize finding and vaccinating children against measles as well rubella in order to reduce the risk of explosive outbreaks.

Global elimination of HCV requires a multipronged and multifaced approach as indicated by the WHO. Thus, there is an urgent need for each country to formulate a locally relevant health care policy targeting not only the key population but also the general population to stop HCV transmission.

CHAIRS

Judith Diment
Rotary International Polio
Advocacy Adviser

Claudio M. Mastroianni
Full Professor of Infectious
Diseases, Sapienza
University of Rome, Italy



Judith
Diment



Claudio M.
Mastroianni

PROGRAM, THU 16

SPEAKERS

Siddhartha Sankar Datta
Regional Adviser, Vaccine-
preventable Diseases and
Immunization Programme,
WHO Regional Office for
Europe

Margaret Helena Hellard
Deputy Director Burnet
Institute, Australia



Siddhartha
Sankar Datta



Margaret Helena
Hellard

Katharina Hauck
Professor in Health
Economics and Deputy
Director of the Jameel
Institute, School of Public
Health, Imperial College
London, UK

Annette Mankertz
Head of the German
National Reference Center
for Measles, Mumps and
Rubella, Robert
Koch-Institute, Berlin,
Germany



Katharina
Hauck



Annette
Mankertz

SESSION 2B

FACULTY OF LAW
AULA CALASSO

1:30 PM – 3:00 PM

SESSION B

HEALTHCARE SYSTEMS

HEALTHCARE COVERAGE IN DEVELOPING COUNTRIES

Healthcare systems must be efficient in population, service and financial coverage to achieve Universal Health Coverage (UHC). While great emphasis has been put on strategies to achieve the 2030 Sustainable Development Agenda essential for achieving UHC. It is essential to have the right tools for improving health and well-being in the coming years.

Many low and middle income countries still face difficulties in progress towards UHC with lack of strategic plans for achieving it. The situation is exacerbated by low funding, poor healthcare systems, and lack of collaboration between private and government sectors among other key impediments.

Our panel of experts will lead joint discussions on how to achieve health for all while embracing technology and innovations.

CHAIRS

Carlo Giovanni Cereti
Full Professor of Iranian Studies and Rector's Delegate for International Cooperation, Sapienza University of Rome, Italy

Joseph Katerega Muteesa
CEO Nilee Africa and a Co-Founder of SDC International Hospital, Uganda

SPEAKERS

Daniel Bausch
Senior Director of Emerging Threats and Global Health Security, FIND, the global alliance for diagnostics, Geneva, Switzerland

Valerie Luyckx
Brigham Hospital and Harvard Medical School, Boston, USA

Robert Kalyesubula
President of Uganda Kidney Foundation

Rossella Miccio
President of Emergency



Carlo G. Cereti



Joseph Katerega Muteesa



Daniel Bausch



Valerie Luyckx



Robert Kalyesubula



Rossella Miccio

SESSION 2C

FACULTY OF LAW
AULA 101

1:30 PM – 3:00 PM

SESSION C

METABOLIC SYNDROME AND CHRONIC DISEASES

NEURODEGENERATIVE DISEASES: NEW FRONTIERS IN RESEARCH AND HEALTHCARE

Neurodegenerative diseases represent a challenge for our health systems. Defined by pathological findings of aggregation and misfolding of α -synuclein in neurons or glial cells, Parkinson's Disease, Multiple System Atrophy and Dementia with Lewy Bodies belong to the family of α -synucleinopathies. On the other hand, Progressive Supranuclear Palsy, another form of atypical parkinsonism, is considered a tauopathy.

Alzheimer's disease leads to a deterioration in everyday functioning. Markers of neurodegeneration have been recently introduced and this condition can now be defined according to pathophysiological markers, even in the preclinical phase.

Smart digital assistive technologies can support the daily activities of people with dementia. Currently available and future smart digital technologies, user centered design (UCD), and UCD helping smart digital technologies are now useful for people with dementia and their family caregivers.

Challenges and opportunities in drug development in neurodegenerative diseases are now present, including conditions like spinal muscle atrophy.

CHAIRS

Alfredo Berardelli
Full Professor
of Neurology, Sapienza
University of Rome, Italy

Ole Petter Ottersen
President of Karolinska
Institutet, Sweden



Alfredo Berardelli

Ole Petter Ottersen

SPEAKERS

Azad Bonni
Senior Vice President
and Global Head of
Neuroscience and Rare
Diseases in pRED, Roche

Stefan Teipel
Full Professor in Clinical
Dementia Research at
the University Medicine
Rostock and DZNE
Rostock/Greifswald,
Germany



Azad Bonni

Stefan Teipel

Lucilla Parnetti
Full Professor of Neurology,
University of Perugia, Italy

Gregor K. Wenning
Director, Dysautonomia
Center, Medical University
Innsbruck, Austria



Lucilla Parnetti

Gregor K. Wenning

SESSION 2D

FACULTY OF HUMANITIES
AULA ARCHEOLOGIA

1:30 PM – 3:00 PM

SESSION D

**NEW TECHNOLOGIES AND
PERSONALIZED THERAPIES**

GENOME EDITING SCIENCE AND ETHICS

Among the currently available genome editing technologies, the CRISPR-Cas-9 system is the most rapidly developing. Its widespread adoption is related with the simplicity with which this system can be designed and assembled. In July 2021, the WHO's Expert Advisory Committee on Developing Global Standards for Governance and Oversight of Human Genome Editing released its findings in the form of two reports. The reports intentionally go beyond human germline genome editing to also cover somatic genome editing. In this Session, the basic principles underlying the use of CRISPR-Cas9 as a genome editing tool and key considerations and obstacles for clinical translation with respect to its potential applications, including in the context of brain disorders, will be presented. A summary of the WHO Committee's outputs, as well as the challenges and opportunities associated with implementing these reports will be also reported. Furthermore, it will be discussed how the revolutionary potential of the CRISPR-Cas9 genome editing technology has created a resurgence in enthusiasm and concern in genetic research perhaps not seen since the mapping of the human genome at the turn of the century.

CHAIRS

Franco Locatelli

Head of the Department of Paediatric Haematology and Oncology, IRCCS Bambino Gesù Children's Hospital, Rome; Full Professor of Pediatrics, Sapienza, University of Rome, Italy

Daniela De Biase

Associate Professor of Biochemistry, Sapienza University of Rome, Italy



Franco Locatelli

Daniela De Biase

PROGRAM, THU 16

SPEAKERS

Oliver Feeney

Researcher in Ethics and Governance of Genome Editing, University of Tübingen, Germany

Luis Pereira de Almeida

Associate Professor and President of the Center for Neuroscience and Cell Biology, University of Coimbra, Portugal



Oliver Feeney

Luis Pereira de Almeida

Katherine Littler

Co-Lead, Health ethics & Governance Unit, WHO, Geneva, Switzerland

Peter Robinson

Professor and Donald A. Roux Chair, Genomics and Computational Biology, The Jackson Laboratory for Genomic Medicine, Farmington, USA



Katherine Littler

Peter Robinson

KEY 02

RECTORATE
AULA MAGNA

3:15 PM – 4:00 PM

KEYNOTE

METABOLIC SYNDROME AND CHRONIC DISEASES**NETWORK MEDICINE: NOVEL APPROACHES TO HUMAN DISEASE AND THERAPEUTICS. EMPHASIS ON CARDIOMETABOLIC DISEASES**

Historically, scientific reductionism has served as the basis for our understanding of the causes of and treatments for disease. While this approach has led to many successes, the great majority of diseases are complex and reflect a multiplicity of molecular interactions and responses defined by genetic context and environmental exposures. Given this complexity, the field of network medicine was developed, the fundamental principle of which is that a true understanding of disease definition, etiology, prognosis, and therapy requires a holistic understanding of these complex molecular systems. As a basis for this approach, we build and utilize comprehensive, unbiased, (macro)molecular interaction networks. These networks are analyzed statically and dynamically, and variations within them can be used to characterize functional consequences for disease susceptibility or expression. Using the comprehensive network of all ascertainable protein-protein interactions, or interactome, we first demonstrated that the great majority of diseases are characterized by discrete subnetworks, or disease modules, within the interactome. In recent work, we showed that genetic variants associated with disease, both germline and somatic, are significantly enriched in sequences encoding protein-protein interaction

interfaces compared to variants not associated with disease. These observations lent support for our work on exploring the network basis for different manifestations of the same disease (individualized disease phenotypes) within a cohort of patients with that disease. We developed the concept of individualized interactomes, or unique 'reticulotypes,' that reflect differential gene (and protein) expression for a given disease. For example, we used myectomy specimens from hypertrophic cardiomyopathy patients and found that the reticulotypes were quite variable in complexity and enriched for several different endophenotypes. Select endophenotypes were associated with distinct cardiac phenotypes (such as principally fibrotic), and also suggested unique drug targets that could be used for precision therapeutics. Thus, patient-specific reticulotypes may serve as the basis for characterizing the pathobiology of a disease phenotype in an individual patient, for identifying specific pathway or protein targets for drug development, for constructing unique biomarkers for disease prognosis, and for repurposing approved drugs whose targets may be proximal to the disease sub-network of interest. In these ways, network medicine offers a novel path toward (re)defining and treating human disease in the modern era, and facilitates the trajectory of true precision medicine.

**KEYNOTE SPEAKER**

Joseph Loscalzo
Hersey Professor of the Theory and Practice of Medicine, Harvard Medical School and Chair, Department of Medicine, Brigham and Women's Hospital, Boston, USA

SESSION SPINE 20

FACULTY OF LAW
AULA CALASSO

3:15 PM – 4:30 PM



SESSION SPINE 20

SPINE 20, A G20 ADVOCACY GROUP FOR THE PREVENTION AND CARE OF THE GLOBAL BURDEN OF SPINAL DISEASES

A study done about the Global Burden of Disease, published on The Lancet 2018, demonstrate that Low Back pain and Neck pain are ranking no 5 after Ischemic heart disease, Cerebrovascular disease, Diabetes and Tuberculosis. Back illness can lead to invalidating pain, inability and subsequently job loss.

Spine 20 is an advocacy Group founded in the 2019 by Eurospine, North American Spine Society, Saudi Spine Society and German Spine Society in an effort to improve spine care on a Global level through recommending policies, in the G20 countries and beyond, that help them alleviate the burden of Spine disease through improving spine care and treatment through policies and support from governments.

Today, more than 25 leading society for the study and care of spine illness in the five continents are contributing to organize a Spine 20 meeting that every year provide up-to-date recommendations for the Sherpas, Health ministers and Governments of the G20 regarding the best value-based spine care based on best available evidence while controlling the help care cost.

CHAIRS

Giuseppe Costanzo
Past president, Italian Spine Society SICV&GIS

Edward Dohring
President of North American Spine Society/
Clinical Professor, Arizona College of Medicine, USA



Giuseppe Costanzo



Edward Dohring

SPEAKERS

Sami Aleissa
Associate Professor, King Abdulaziz Medical City, Riyadh, Saudi Arabia

Margareta Nordin
Professor at Grossman School of Medicine, New York University, USA



Sami Aleissa



Margareta Nordin

Thomas Blattert
Professor and Medical Director, Orthopaedische Fachklinik Schwarzach, Germany

Koji Tamai
Lecturer, Osaka Metropolitan University, Osaka, Japan



Thomas Blattert



Koji Tamai

Edward Dohring
President of North American Spine Society/
Clinical Professor, Arizona College of Medicine, USA



Edward Dohring

PROGRAM

FRIDAY, JUNE 17

KEY 03RECTORATE
AULA MAGNA

9:15 AM – 10:00 AM

KEYNOTE**NEW TECHNOLOGIES AND
PERSONALISED THERAPIES****PERSONALIZED HEALTH: EVIDENCE, PREDICTION,
ETHICS, AND REPRODUCIBILITY**

Personalized health has been a top priority of both research and clinical and public health practice for many years now. Important advances in technology, data science, data availability, and interventions have fueled hopes for a major transformation of medicine and public health for both prevention and therapeutic applications.

The keynote will examine the current state of the evidence on personalized health; the challenges in moving from traditional prediction to efficient personalized prediction; the ethical questions and opportunities that arise with the advent of these new approaches; and issues surrounding the transparency and reproducibility of personalized health, including data and code sharing, conflicts of interest, protocol registration, and the wider meaning of replication when the target sample size is $n=1$.

**KEYNOTE SPEAKER**

John P.A. Ioannidis
Professor of Medicine,
of Epidemiology and
Population Health and
(by courtesy) of Biomedical
Data Science and of
Statistics, and Director,
Meta-Research Innovation
Center at Stanford
(METRICS), Stanford
University, USA

SESSION 3A

RECTORATE
AULA MAGNA

10:30 AM – 12:00 PM

SESSION A

**VACCINE DEVELOPMENT AND POLICIES:
CHALLENGES AND STRATEGIES**

VACCINOLOGY IN THE POST-COVID-19 ERA

One of the main achievements that arose from the global response to the COVID-19 pandemic is the rapid development of COVID-19 vaccines.

This success is the result of years of research efforts specifically focused on novel vaccine strategies and technologies.

At the same time, the above achievement may represent the keystones to consolidate new technologies and address novel strategies to develop new effective vaccines, to accelerate the timeline of their development and to give new insights into the still unresolved issue of identification of accurate correlates of protection.

During this Session experts working in different Institutions will meet to discuss challenges and strategies in vaccine research and development after two years of COVID pandemic looking at the vaccine issues from several different points of view including the public health perspectives.

Among the issues that will be covered there are the new opportunities in vaccine development against new and old "enemies".

CHAIRS

Guido Antonelli
Full Professor of
Microbiology and Virology,
Sapienza University of
Rome, Italy

Maria Rosaria Capobianchi
Scientific Advisor,
Department of Infectious
Tropical Diseases and
Microbiology, Sacro Cuore
Don Calabria
Hospital IRCCS,
Verona, Italy



Guido Antonelli

Maria Rosaria Capobianchi

PROGRAM, FRI 17

SPEAKERS

Andrea Carfi
Head of Research for
Infectious Disease,
Moderna, Cambridge, USA

Jeffrey V. Lazarus
Head of the Health
systems team, ISGlobal,
and Associate Professor,
Faculty of Medicine,
University of Barcelona,
Spain



Andrea Carfi

Jeffrey V. Lazarus

Stefania Di Marco
Scientific Director and
Qualified Person, Advent
S.r.l. , Pomezia, Italy

Rino Rappuoli
Global Head R&D
Vaccines, GSK



Stefania Di Marco

Rino Rappuoli

SESSION 3B

FACULTY OF LAW
AULA CALASSO

10:30 AM – 12:00 PM

SESSION B

HEALTHCARE SYSTEMS

BIOMEDICAL EDUCATION

Methodological innovation, together with the continuous updating of the contents, is crucial for the progress of biomedical education. Moreover, it helps increasing the adequacy of the preparation of health professionals, to face the future challenges of the Health Systems of individual countries. The Covid 19 pandemic has further demonstrated how every health problem is or can become a global health problem. It has also shown how rapid the response can be in terms of behavioral, technological, and scientific adaptation. This response, however, would not have been effective if it had not been conveyed by well-trained professionals. In this session, qualified speakers with real experience in the field will discuss the current problems of medical and nursing training also in terms of possible innovations both related to organizational models and the use of methodologies, even technologically advanced ones. Finally, the problematic of inclusion in the curricula of issues relevant to global health will be addressed.

CHAIRS

Carlo Della Rocca
Full Professor of Pathological Anatomy, Sapienza University of Rome; President of the Permant Conference of the Medical Faculties and Schools of Medicine and Surgery, Italy

Teresa Massara
Associate Publisher EMEA & Australia, McGraw Hill Global Publishing



Carlo Della Rocca

Teresa Massara

PROGRAM, FRI 17

SPEAKERS

Donia Bouzid
ER Physician, Paris, France

Fabrizio Consorti
Professor of surgery Sapienza University of Rome, Italy

Floro Cubelo
Head of the Degree Programme in Nursing/ Senior Lecturer, School of Health and Social Care, Oulu University of Applied Sciences, Finland

Titi Savitri Prihatiningsih
Associate Professor in Medical and Health Profession Education, Faculty of Medicine, Public Health and Nursing, Universitas Gadjah Mada, Indonesia



Donia Bouzid

Floro Cubelo



Fabrizio Consorti

Titi Savitri Prihatiningsih

SESSION 3C

FACULTY OF LAW
AULA 101

10:30 AM – 12:00 PM

SESSION C

METABOLIC SYNDROME AND CHRONIC DISEASES

CARDIOVASCULAR HEALTH SURVEILLANCE IN THE POST-COVID-19 ERA

The last two years have been predominantly characterized by the unprecedented planetary wave of COVID-19 which has caused millions of hospitalizations and deaths and a dramatic impact on healthcare systems and on lifestyle habits of the population.

The major direct consequences of the disease developed after SARS-COV 2 infections have been identified in cardiovascular and respiratory acute and chronic manifestations.

The presentations of this session will reflect these aspects highlighting the pathophysiological, clinical and therapeutic implications of COVID-19. In addition, the consequences of the burden of cardiovascular and respiratory injuries on the long-term sequelae of COVID-19 will be discussed, focusing on the new mechanisms discovered, the need for a tight follow up program of patients from both diagnostic and therapeutic point of views and the urgent reorganization of healthcare systems (including a broader use of Telemedicine). This is highly necessary to afford the huge number of missed clinical activities indirectly linked to the pandemic, a necessary reassessment of the central role of prevention in cardio-respiratory illnesses and the development of programs to prevent or limit a wave of cardiovascular events that might be the unavoidable consequence of reduced surveillance.

CHAIRS

Massimo Volpe
Full Professor of Cardiology,
Sapienza University of Rome, Italy

Axel Radlach Pries
President
World Health Summit and Dean of the Charité, Berlin, Germany



Massimo Volpe



Axel Radlach Pries

PROGRAM, FRI 17

SPEAKERS

Chiara Bucciarelli-Ducci
Associate Professor of Cardiology, King's College London, UK

Gianluca Condorelli
Full Professor of Cardiology and Head, Department of Cardiovascular Medicine, Humanitas Research Hospital, Milan, Italy



Chiara Bucciarelli Ducci



Gianluca Condorelli

Xavier Jeunemaitre
Dean, Faculty of Health, Université Paris Cité, France

Carlos Robalo Cordeiro
Dean, Coimbra Medical School, Portugal



Xavier Jeunemaitre



Carlos Robalo Cordeiro

SESSION 3D

FACULTY OF HUMANITIES
AULA ARCHEOLOGIA

10:30 AM – 12:00 PM

SESSION D

**NEW TECHNOLOGIES AND
PERSONALIZED THERAPIES**

ROBOTIC APPLICATIONS IN MEDICINE

The application of robotics in medicine is growing impetuously and its applications in various fields of health can no longer be considered the future. Its integration with advanced automation, augmented and virtual reality up to artificial intelligence systems represent the next challenge in areas such as general and specialist surgery, prosthetic limb replacement and the automation and standardization of laboratory procedures only to cite a few examples. In this session, qualified speakers with real experience in the field will discuss the state of the art of robotic application in some specific fields along with the possible next technological development of interest.

CHAIRS

Hélène Boisjoly
Past Dean, Faculty of
Medicine, University of
Montreal, Canada

Maria Chiara Carrozza
President of the National
Research Council (CNR)
and Full Professor at the
BioRobotics Institute,
Scuola Superiore
Sant'Anna, Pisa, Italy



Hélène
Boisjoly

Maria Chiara
Carrozza

PROGRAM, FRI 17

SPEAKERS

Max Ortiz Catalan
Director of the Center for
Bionics and Pain Research,
and Professor of Bionics
at Chalmers University of
Technology, Sweden

Muhammad Zaman
Professor Biomedical
Engineering and Global
Health, Howard Hughes
Medical Institute, Boston
University, USA



Max
Ortiz Catalan

Muhammad
Zaman



Antonio
Carbone

Antonio Carbone
Full Professor of Urology,
Sapienza University
of Rome

SESSION 4A

RECTORATE
AULA MAGNA

1:15 PM – 2:45 PM

SESSION A

**VACCINE DEVELOPMENT AND POLICIES:
CHALLENGES AND STRATEGIES**

VACCINES FOR NEGLECTED DISEASES
MALARIA
VACCINE DEVELOPMENT

Neglected diseases (NDs) are a diverse group of infectious diseases that are mainly prevalent in tropical areas, where they affect more than one billion people mostly from impoverished communities, with the highest burden on women and children. Malaria is not considered a Neglected Tropical Disease but disproportionately affects the same communities. Vaccine development and implementation of immunization programs are envisaged as important strategies for prevention and control of malaria and NDs. This symposium focuses on challenges and perspectives in the long path towards development of vaccines against NDs, with particular reference to the need of international mobilization and the direct experience of scientists involved in the development of vaccines against Plasmodium parasites and arboviruses.

CHAIRS

Alessandra della Torre
Associate Professor of
Parasitology, Sapienza
University of Rome, Italy

Aluisio Segurado
Professor of infectious
diseases, Faculty of
Medicine and Provost for
the Undergraduate Studies,
University of São Paulo,
Brazil



Alessandra della Torre

Aluisio Segurado

PROGRAM, FRI 17

SPEAKERS

Pedro Alonso
Professor of Global Health,
Faculty of Medicine,
University of Barcelona,
Spain

Angela Santoni
Emeritus Professor,
Sapienza University of
Rome; Scientific Director,
Pauster Institute Italy,
Fondazione
Cenci-Bolognetti,
Rome, Italy



Pedro Alonso

Angela Santoni

Regina Rabinovich
Harvard T.H. CHAN School
of Public Health, USA

Annelies Wilder-Smith
Professor of Emerging
Infectious Diseases,
London School of Hygiene
and Tropical Medicine, UK



Regina Rabinovich

Annelies Wilder-Smith

SESSION 4B

FACULTY OF LAW
AULA CALASSO

1:15 PM – 2:45 PM

SESSION B

HEALTHCARE SYSTEMS

IMPLICATIONS OF CLIMATE CHANGES ON HEALTH

Climate change is affecting world health. This session is meant to share recent evidence of the adverse impacts of climate change on health and the opportunities for turning to a healthy, greener society.

Climate change is proved to have direct and indirect health effects. Adaptation is essential to reduce not preventable impacts of climate change, whereas mitigation actions to cut emissions are imperative to reduce health risks.

The importance of systems and capacity to understand (monitor and quantify health impacts of climate change) has emerged. The Lancet Countdown in Europe will monitor progress on health and climate change in Europe, while the InterAcademy Partnership (IAP) is currently conducting an inter-regional project, focusing on Mediterranean region issues, as food security, forced displacement, and water shortages.

Scientists are working to respond to the need for identifying the variables that contribute to food security under climate change and to highlight pattern and relationships between themselves. The effects of the restrictions imposed during the COVID-19 pandemic can positively act as a catalyst for global commitment to a healthier and greener model of global growth.

CHAIRS

Bruno Botta
Full Professor of Chemistry and Deputy Provost for International Affairs, Sapienza University of Rome, Italy

Volker ter Meulen
IAP Past President, Co-Chair of the IAP-Project: Climate Change and Health and University of Wuerzburg, Germany

SPEAKERS

Chang-Chuan Chan
Distinguished Professor, College of Public Health, National Taiwan University

Maria Nilsson
Professor of Public Health - orientation climate change and health, Umeå University, Sweden

Robin Fears
Science Policy Consultant

Amirhossein Takian
Professor and Vice Dean, School of Public Health, Tehran University of Medical Sciences, Iran

Sir Andy Haines
Professor of Environmental Change and Public Health, Centre on Climate Change and Planetary-Health, London School of Hygiene and Tropical Medicine, UK



Bruno Botta

Volker ter Meulen



Chang-Chuan Chan

Maria Nilsson



Robin Fears

Amirhossein Takian



Sir Andy Haines

SESSION 4C

FACULTY OF LAW
AULA 101

1:15 PM – 2:45 PM

SESSION C

METABOLIC SYNDROME AND CHRONIC DISEASES

LIFESTYLES AND HEALTH PROMOTION

The need for health promotion approaches that reach out to communities to empower the vulnerable and increase levels of health literacy, has been highlighted during the COVID19 pandemic. Analysing risks, reducing risks and ensuring risk containment approaches is an undertaking for the whole of society and for all governance bodies. Future health actions and policies require a One Health approach, which includes lifestyles and health promotion. This Session will cover some important initiatives in Lifestyles and Health Promotion. WHO, for example, has recently called for a strong focus on health promotion based on the concept of “wellbeing societies”. Global public-private partnership programmes such as Cities Changing Diabetes also have an important role in promoting local interventions to address the social and cultural factors that can increase diabetes risk. However, behaviour changes are notoriously hard to achieve, and health and nutrition professionals are not routinely trained in the skills needed to support such change. To fill this gap, FAO developed the Education for Effective Nutrition in Action (ENACT) undergraduate course to build capacities in Food and Nutrition Education.

CHAIRS

Daniela De Biase
Associate Professor of Biochemistry, Sapienza University of Rome, Italy

Reinhard Schaefers
WHS Ambassador

SPEAKERS

Ilona Kickbusch
Founder and Chair of the Global Health Centre at the Graduate Institute of International and Development Studies, Geneva, Switzerland

Luis Saboga-Nunes
Associate Professor, University of Education, Freiburg, Germany/
President of the Health Promotion Section at the European Public Health Association (EUPHA)

Niels Lund
Vice President, Global Prevention and Health Promotion, Novo Nordisk

Ramani Wijesinha Bettoni
Nutrition Officer; Food and Agriculture Organization of the United Nations (FAO)



Daniela De Biase

Reinhard Schaefers



Ilona Kickbusch

Luis Saboga-Nunes



Niels Lund

Ramani Wijesinha Bettoni

SESSION 4D

FACULTY OF HUMANITIES
AULA ARCHEOLOGIA

1:15 PM – 2:45 PM



SESSION D

**NEW TECHNOLOGIES AND
PERSONALIZED THERAPIES**

PRECISION ONCOLOGY

The diffusion of NGS tests for comprehensive genomic profiling, the development of new drugs matching specific genetic alterations and the recent “agnostic approval” processes of anti-cancer agents represent an important innovation favoring the development of Precision Oncology. The new “mutational model” integrates the traditional approach to cancer therapy based on “histology model” and “agnostic model”. These technological advances must be accompanied by new organizational and management processes, i.e., molecular tumor boards in the decisional pathway.

Precision oncology cannot and mustn't be reduced to the mere identification of a molecular target to associate a drug. It must be based on the collection of as much information as possible, integrating genomic with transcriptomic, epigenetic, lipidomic and metabolomic, to mention just a few. The evolving clinical scenario makes current information handling systems insufficient. It will be necessary to set up platforms capable of integrating the ever increasing biological information with clinical ones (i.e., data warehouse).

This session will explore the opportunities and the difficulties of such a complex and revolutionary approach, to transform informations into knowledge and clinical wisdom.

CHAIRS

Paolo Marchetti
Scientific Director
IDI-IRCCS, Rome, Italy

Khay-Guan Yeoh
Professor of Medicine,
National University of
Singapore and Chief
Executive of the National
University Health System,
Singapore



Paolo Marchetti

Khay-Guan Yeoh

PROGRAM, FRI 17

SPEAKERS

Patriciu Achimas-Cadariu
Professor of Surgical
Oncology and Gynecologic
Oncology, University
of Medicine and Pharmacy
“Iuliu Hatieganu”
Cluj-Napoca, Romania

Manfred Dietel
Senior Professor,
Charité University Hospital
Berlin, Germany



Patriciu Achimas-Cadariu

Manfred Dietel

Stefania Boccia
Full Professor of Hygiene,
Preventive Medicine and
Public Health, Università
Cattolica del Sacro Cuore,
Rome, Italy

Maria Elena Guadagno
Business and Technology
Transfer Director, BSP
Pharmaceuticals



Stefania Boccia

Maria Elena Guadagno

KEY 04RECTORATE
AULA MAGNA

3:15 PM – 4:00 PM

KEYNOTE**HEALTHCARE SYSTEMS****CLOSING THE GAP IN GLOBAL HEALTH: LEARNING FROM EXEMPLARY HEALTH SYSTEMS**

'Investing in health systems is critical to sustaining and maintaining improvements in global health. Yet, while strong cases for investment are frequently made in specific disease areas, the case for health systems financing is more challenging. This keynote will examine how evidence can be generated and used to inform investment in health systems. The talk will address the limitations of current approaches and explore alternatives, based on country experiences.

Disease specific programmes such as those to improve HIV or tuberculosis (TB), may struggle to achieve full roll-out of essential services, if those services are not supported by appropriate human resources or supply systems. The speaker will first discuss how these programmes have explored the impact of wider health system constraints, and defined the investment required to remove them.

Many countries are also critically reviewing their health care priorities, and service packages, in order to achieve Universal Health Coverage (UHC) goals. These review processes often fail to include comprehensive assessments of health system requirements of new essential service packages, and

understand the systemic drivers of service improvement. The Exemplars project in Primary Health Care provides an example of how evidence on these systemic drivers of service improvement can be identified. The speaker will present evidence from Exemplars project and conclude by reflecting on how such analyses can be improved to inform UHC policy.'

**KEYNOTE SPEAKER****Anna Vassall**

Professor of Health Economics, London School of Hygiene and Tropical Medicine, UK and Joep Lange Chair, University of Amsterdam, The Netherlands

PROGRAM DIGITAL TRACK

WEDNESDAY, JUNE 15

THURSDAY, JUNE 16

FRIDAY, JUNE 17

DIGITAL TRACK

DT 1

3.00 PM - 4.30 PM

NEW FRONTIERS IN HEALTHCARE PROMOTION

A LOOK INTO THE FUTURE OF THE COVID-19 PANDEMIC: THE EXPERIENCE OF ITALY

The COVID-19 pandemic has challenged governments worldwide and required an unprecedented strong response from health systems. Italy was the first country to experience a widespread epidemic in the western hemisphere and was also the first country outside of Asia to impose a generalized lockdown allowing its citizens to leave their homes only in selected circumstances, with subsequent reopening decisions based on the epidemiological situation, the level of pressure on hospitals and the trend of the vaccination campaign. In this session, using also an international perspective, Italian academics, experts of government agencies and professionals of the Ministry of Health will discuss the public health approach to COVID-19 pandemic in Italy, the response of the Health Care System, the surveillance systems and the vaccination campaign, the strategies of institutional communication and the role of the pharmaceutical industries. Possible future scenarios, in terms of both society and health care, to guarantee a "new normal" of living with COVID-19 will be discussed.

CHAIRS

Anna Teresa Palamara
Director of the Department of Infectious Diseases, Italian National Institute of Health (ISS); Full Professor of Microbiology, Sapienza University of Rome, Italy

Paolo Villari
Full Professor of Hygiene, Sapienza University of Rome, Italy

SPEAKER

Silvio Brusaferrò
President of Italian National Institute of Health (ISS)

Sergio Iavicoli
Director General of Communication and International Affairs, Ministry of Health, Italy

Romina Quercia
Senior Medical Director, Global Lead COVID-19, mRNA Vaccines, Pfizer

Gianni Rezza
Director General of Health Prevention, Ministry of Health, Italy

Gualtiero (Walter) Ricciardi
Full Professor of Hygiene and Public Health, Università Cattolica del Sacro Cuore, Rome, Italy; President of World Federation of Public Health Associations (WFPHA)



Anna Teresa Palamara

Paolo Villari

PROGRAM DT WED 15



Silvio Brusaferrò

Gianni Rezza



Sergio Iavicoli

Gualtiero (Walter) Ricciardi



Romina Quercia

DT 2

3.00 PM - 4.30 PM

DIGITAL TRACK

NEW FRONTIERS IN HEALTHCARE PROMOTION

DIGITALIZATION AND SECONDARY USE OF HEALTH DATA, IN TERMS OF IMPACT ON PUBLIC HEALTH, ON PLANNING/SUSTAINABILITY OF THE HEALTH CARE SYSTEM AND ON THE PROXIMITY OF CARE

The first two decades of the 21st century have seen a fast development of the healthcare sector digitalization. What emerged from the coronavirus pandemic was a European Health Union vision. Concurrently, there is an increased awareness of the danger of potential cyberattacks directed at medical facilities and the importance of protecting critical infrastructures and health data. Additionally, digitalization may have unforeseen impacts on public health, affecting health inequalities and putting patients at risk of harm through technological exploitation. In this session the speakers will highlight the benefits of using and storing the health data, within a common framework to promote a better-functioning health system. This is why the European Health Data Space initiative was recently launched, i.e. to have health data organized in such a way to become accessible, easily and safely shared. Further, the significant increase of cyberattacks directed against critical infrastructure, most notably in healthcare, should mobilize political will and resources at an international level to take concrete action. To tackle this growing concern, the CyberPeace Institute is engaging various stakeholders to increase the resilience of the sector and accountability for malicious cyber acts.

CHAIR

Giorgio Grani
Researcher in Internal Medicine, Sapienza University of Rome, Italy



Giorgio Grani

SPEAKER

Fidelia Cascini
Assistant Professor of Hygiene and Public Health, Università Cattolica del Sacro Cuore, Rome, Italy



Fidelia Cascini

Isabel Straw
Research Associate, University College London, UK



Isabel Straw

Juliana Crema
Research Associate at the CyberPeace Institute, Geneva, Switzerland



Juliana Crema

PROGRAM DT WED 15

DT 3

11:00 AM – 12:30 PM



DIGITAL TRACK

NEW FRONTIERS IN HEALTHCARE PROMOTION

CLIMATE CHANGE AND IMPACT ON RESPIRATORY DISEASES: HOW TO BALANCE PATIENT AND PLANET HEALTH

Changes in climate constitute a reality which has observable effects on respiratory health. Extreme climate events, forest fires, dust storms, increased level of circulating aeroallergens as well as poor air quality represent a massive threat to respiratory health. Respiratory health issues are exacerbated by the climate crisis which is putting vulnerable people at most risk and is set to further worsen inequality in our society. Protecting respiratory health is becoming an urgent public health and sustainability priority and it goes far beyond air pollution. A call for action is, therefore, needed not only to treat the symptoms of the crisis through products, but also when addressing the root causes. Governments, regulators, the scientific community and patients along with the biopharmaceutical industry can and should focus efforts on increasing awareness while triggering urgent action on climate change.

CHAIRS

Carlo Martuscelli
Journalist

Luciano Saso
Full Professor,
Sapienza University
of Rome, Italy

SPEAKERS

Isabella Annesi-Maesano
Research director
INSERM and professor
of Environmental
epidemiology, Montpellier
University, France

Susanna Palkonen
Director, European
Federation of Allergy and
Airways Diseases

Sara Cerdas
Member of the
European Parliament

Omar Usmani
Professor of Respiratory
Medicine, National Heart
and Lung Institute, Imperial
College London, UK

Alessandro Chiesi
Chief Commercial Officer,
Chiesi Group

RAPPORTEUR

Stephen Matlin
Visiting Professor in the
Institute of Global Health
Innovation, Imperial College
London, UK



Carlo Martuscelli

Luciano Saso

PROGRAM DT
THU 16



Isabella Annesi-Maesano

Susanna Palkonen



Sara Cerdas

Omar Usmani



Alessandro Chiesi

Stephen Matlin

DIGITAL TRACK

DT 4

1:30 PM – 3:00 PM

NEW FRONTIERS IN HEALTHCARE PROMOTION

THE CRITICAL ROLE OF NUTRITION IN THE GLOBAL HEALTH AGENDA

This session will focus on the critical role of nutrition in the Global Health agenda. Nutrition is a cornerstone of improving health outcomes globally. Addressing malnutrition in all its forms is foundational to making progress toward achievement of the 2030 UN Sustainable Development Goals. Building capacity to prevent malnutrition and identify it early is a priority. This session will examine emerging data in the intersection between malnutrition and the COVID pandemic response and recovery, from acute care to the community setting. It will also focus on implementation data for innovative tools and evidence-based approaches that expedite accurate, early identification of malnutrition across the continuum of care.



CHAIRS

Hakim Bouzamondo
Divisional Vice President,
Global R&D, Nutrition,
Abbott

Luciano Saso
Full Professor,
Sapienza University of
Rome, Italy

SPEAKERS

Susan Abdel-Rahman
Pediatric researcher,
innovator, Missouri, USA

Željko Krznarić
Full Professor of
Internal Medicine and
Gastroenterology,
Zagreb School
of Medicine, Croatia

Hakim Bouzamondo
Divisional Vice President,
Global R&D, Nutrition,
Abbott

Francesco Landi
Professor of Internal
Medicine, Università
Cattolica del Sacro Cuore,
Rome, Italy

RAPPOREUR

Stephen Matlin
Visiting Professor in the
Institute of Global Health
Innovation, Imperial College
London, UK



Hakim Bouzamondo

Luciano Saso

PROGRAM DT THU 16



Susan Abdel-Rahman

Željko Krznarić



Hakim Bouzamondo

Francesco Landi



Stephen Matlin

DIGITAL TRACK

DT 5

10:30 AM – 12:00 PM



NEW FRONTIERS IN HEALTHCARE PROMOTION

RISING TO THE CHALLENGE OF DELIVERING PRECISION MEDICINES FOR CHRONIC DISEASES

For decades scientists have studied the causes of disease; the interplay between genes, molecular drivers and the environment. Precision medicines – targeting the right medicine to the right patient at the right time – have revolutionised the treatment of some cancers and rare genetic diseases, yet precision medicines for chronic diseases are far less common. The challenge we face is that chronic diseases are biologically complex and driven by multiple mechanisms. They are heterogenous with an array of different symptoms and comorbidities. Today, diagnosis relies on clinical symptoms and standard body fluid biomarkers, with tests often limited, imprecise and late in disease progression. To improve patient outcomes, we must move beyond the current standard of care in which many patients are treated the same and towards the possibility of targeting treatments to specific and earlier disease states.

Hear from industry, biotech, EFPIA and clinical experts on the potential for precision medicines to transform care in complex chronic diseases and what initiatives could be implemented across regulatory, financing and clinical pathways to embed these into daily care for people with chronic diseases.

CHAIRS

Maria Orr
Head of Precision Medicine for BioPharmaceuticals, AstraZeneca

Luciano Saso
Full Professor, Sapienza University of Rome, Italy

SPEAKERS

Claudia Dollins
Executive Director, Global Regulatory Affairs Team, Precision Medicine and Companion Diagnostics, Bristol-Myers Squibb

Sir Mene Pangalos
Executive Vice President R&D BioPharmaceuticals, AstraZeneca

Richard Kennedy
Global Vice President and Medical Director, Almac Diagnostic Services

Stefano Vella
Italian Delegate to Horizon Europe (Health Cluster) European Commission

RAPPOORTEUR

Stephen Matlin
Visiting Professor in the Institute of Global Health Innovation, Imperial College London, UK



Maria Orr

Luciano Saso

PROGRAM DT FRI 17



Claudia Dollins

Sir Mene Pangalos



Richard Kennedy

Stefano Vella



Stephen Matlin

DIGITAL TRACK

DT 6

10:30 AM – 12:00 PM



NEW FRONTIERS IN HEALTHCARE PROMOTION

FIGHTING ANTIMICROBIAL RESISTANCE: FROM BASIC TO CLINICAL SCIENCE

Antimicrobial resistance is a problem involving medicine, clinical microbiology but also molecular biology and bioinformatics. The complexity and scale of AMR needs implementation of research, including molecular tracing of AMR genetic determinants and description of the dynamic spread of resistance genes among bacteria. Phylogenetic analysis of bacterial genomes, combined with epidemiological data clarified the circulation and spread of specific clinically relevant genetic determinants such as those conferring resistance to carbapenems and new generation antibiotics. The description of the molecular properties of resistant bacteria, focusing in details on Enterobacterales spreading within hospitals, will help to understand and describe the evolutive trajectories of resistant bacteria.

This aspects have great clinical implication, especially when the management of gram.negative bacteria infections is considered. In this respect, for each carbapenem resistant Gram-negative pathogen, it is important to know the details of the recommendations provided in the guidelines, and explore the evidence behind these recommendations. Finally, methodological limitations of studies evaluating combination vs monotherapy are discussed, as well as gaps between clinical and pre-clinical data on combination therapy effectiveness.

CHAIRS

Alessandra Carattoli
Full Professor of Microbiology, Sapienza University of Rome, Italy

Claudio M. Mastroianni
Full Professor of Infectious Diseases, Sapienza University of Rome, Italy

SPEAKERS

Alessandra Carattoli
Full Professor of Microbiology, Sapienza University of Rome, Italy

Massimo Girardis
Professor of Anesthesiology and Critical Care Medicine, University of Modena and Reggio Emilia, Italy

Marco Falcone
Associate Professor of Infectious Diseases, University of Pisa, Italy

Dafna Yahav
Head, Infectious Diseases unit, Sheba Medical Center, Ramat-Gan, Israel



Alessandra Carattoli

Claudio M. Mastroianni

PROGRAM DT FRI 17



Alessandra Carattoli

Massimo Girardis



Marco Falcone

Dafna Yahav

DT 7

1:15 PM – 2:45 PM

DIGITAL TRACK

NEW FRONTIERS IN HEALTHCARE PROMOTION

YOUNG PHYSICIAN LEADERS

The Young Physician Leaders programme was launched in 2011 by the International Academy Partnership (IAP) in conjunction with the World Health Summit and the M8 Alliance of Academic Health Centres and Medical Universities. Since then it has trained physicians under the age of 40, equipping them with the leadership skills they will require to navigate their professional future. To date, the YPL network of alumni includes more than 200 leading young medical professionals who were nominated by their national academies. This year's cohort includes 20+ physicians with different professional backgrounds in 20+ different countries.

Immediately prior to this Regional WHS, members of the cohort were convened to reflect on the challenges faced when leading in professional situations and the very nature of what it takes to be an effective leader in the world of today.

The cohort has been mentored by some of the great minds at ESMT Berlin and IAP but perhaps most uniquely they had the chance to share and learn from each other's experiences.

During this session, a subset of the cohort will convey some of the insights have gathered over the last couple of days, presenting leadership challenges that are relatable and must be addressed.

There will be a designated time for contributions from the audience during which we encourage you to participate.

CHAIRS

Jo Ivey Boufford

Clinical Professor of Global Health, New York University School of Global Public Health and Clinical Professor of Pediatrics, New York University School of Medicine, USA

Peter Mcgrath

Coordinator, the InterAcademy Partnership

Nora Grasselli

Program Director at ESMT Berlin and co-director of the Young Physician Leaders Programme



Jo Ivey Boufford



Peter Mcgrath



Nora Grasselli

PROGRAM DT FRI 17

DIGITAL TRACK

DT 8

1:15 PM – 2:45 PM

NEW FRONTIERS IN HEALTHCARE PROMOTION

GLOBAL HEALTH IN INTERRELIGIOUS PERSPECTIVE

The challenges of our present growingly compel us to rethink and reassess the value of religious pluralism and its impact on everyday life. Globalization affects cultures and traditional approaches to a variety of issues all over the world, touching every field of knowledge and practice. Care and healing are relevant aspects of life that religious behaviours and thoughts have been influencing throughout the entire history of humankind. Western medicine has developed and improved its efficacy thanks also to the interaction with theories, knowledge and practices belonging to other medical traditions. Healthcare, however – regardless of whether it is modern or traditional, mainstream, or alternative – is strictly connected to the idea of the body and its management, which are peculiar to specific cultures and religions. Such entanglements between local and global forces imply the necessity of considering interreligious dialectics and religious pluralism also in the framework of global health. This panel will deal with a selection of topics related to this issue, drawing inspiration from the experiences and consequences of the recent Covid-19 pandemic, but also highlighting the relevance of specific scenarios and case studies.

CHAIRS

Alessandro Saggiaro
Full Professor
in History of Religions,
Sapienza University
of Rome, Italy

Mar Grier
Associate Professor
of Sociology, Universitat
Autònoma de Barcelona,
Spain

SPEAKERS

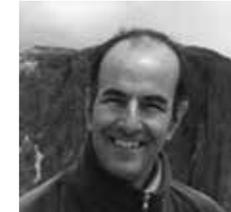
Marian Burchardt
Professor of Sociology,
University of Leipzig,
Germany

Bette Jacobs
Professor of Health
Systems Administration,
Georgetown University in
Washington DC, USA

Maria Angela Falà
President Maitreya
Foundation, Institute of
Buddhist Culture, and
President of the Interfaith
Council of Rome, Italy

Judith Richter
Founder and CEO
of Medinol Ltd

Hellen Idler
The Samuel Candler Dobbs
Professor of Sociology,
Emory University, USA



Alessandro Saggiaro



Mar Grier



Marian Burchardt



Bette Jacobs



Maria Angela Falà



Judith Richter



Hellen Idler

PROGRAM DT
FRI 17

GENERAL INFORMATION

ACCESS TO THE VENUE

To access Sapienza University of Rome, participants and speakers are required to complete the COVID-19 self-certification on health status.

The self-certification is used to indicate during access in Sapienza that you know the procedures for COVID-19, have no symptoms attributable to COVID-19, and are not on isolation for COVID-19.

Participants and speakers are required to pick up their badges at the registration desk. Badges should be worn at all times and are required to enter all session and food&beverage areas.

www.regionalmeetingwhs2022.com/covid-19-information/

CAPACITY LIMITS

The capacity of session rooms and the venues as a whole is limited. The organizers reserve the right to refuse access to the venue or to session rooms if the maximum capacity has been reached. We follow the “first come–first served” principle throughout the conference and in all sessions.

CATERING AREA

Food and beverage distribution during break times follows the COVID-19 hygiene guidelines.

Please note: to access the food&beverage area badges must be showed.

Catering areas:
Terrace Rectorate | Faculty of Humanities.

COVID-19 REGULATIONS

The following safety measures should be observed at the event sites:

- Mandatory use of surgical masks indoors (FFP2 masks are strongly recommended) and outdoors in gathering situations.
- Frequent hand hygiene with hydroalcoholic solutions.
- Maintenance of interpersonal distance whenever possible, with special reference to lunches and socializing occasions.

EU DIGITAL COVID-19 CERTIFICATE (OR NON-EU EQUIVALENT)

At present, it is not required to show the EU Digital Covid-19 Certificate (OR non-EU equivalent) to access Sapienza University of Rome. For information about travel to Italy from EU and non-EU countries, we suggest you

visit the Government website.

We invite you to check from time to time the Regional Meeting website because Government guidelines and therefore the procedures to access Sapienza campus can be subject to changes.

www.regionalmeetingwhs2022.com/covid-19-information/

DIGITAL PARTICIPATION

You are kindly invited to take part digitally: the whole Program of the World Health Summit Regional Meeting is available online with Q&A opportunities for participants. All entry links for the sessions can be found registering here:

digitalregionalmeetingwhs2022.com/login

EMERGENCY NUMBERS (ITALY)

Ambulance	118
Fire	115
Police	112

PEOPLE WITH DISABILITIES

The venue is accessible to participants with disabilities.

PROGRAM CHANGES

The program is subject to changes due to unforeseen circumstances. Please check the online program on our website for regular updates.

www.regionalmeetingwhs2022.com

REGISTRATION

The registration desk is opening during the following times:

Wednesday, June 15
2.30 PM – 5.30 PM

Thursday, June 16
7.45 AM – 4.00 PM

Friday, 17 June
8.30 AM – 5.00 PM

CITY OF ROME

ROME WEATHER IN JUNE

What's the weather like in Rome in June? In the middle of June, the weather in Rome is beautiful and mild. The average temperature is 24°C, it rarely falls below 20°C or goes above 28°C, in the central hours of the day. The days are long and sunny, which gives you more time to explore the city and take in all of the fantastic sights and historical buildings that Rome is known for. Rome is the capital of Italy and sits in the central-western region. It incorporates Vatican City, which is known as the smallest state in the world.

GETTING AROUND ROME

The best way to get around Rome is on foot. Many of the most famous attractions are clustered in traffic-free zones.

A non-stop express train (Leonardo Express) takes you from the Leonardo da Vinci-Fiumicino Airport (FCO) to Rome Termini railway station in 32 minutes; the one-way ticket costs 14 euros. Buses are also available.

Metro: in Rome there are three metro lines. You will find stations scattered throughout



the city marked by signs with a big red "M" on them. You can buy tickets (one-way) for 1.50 euros at the metro stations and convenience stores throughout the city. Alternatively, if you plan to rely on public transportation for most of your trip to Rome, you might want to purchase a 24-hour card for 7 euros; a 48-hour card for 12.50 euros; or a 72-hour card for 18 euros. If you purchased a Roma Pass, your public transportation fares are covered by the pass.

WHAT TO EAT IN ROME

Rome is full of restaurants, from trattorias that cook up family recipes spanning generations to fusion restaurants that plate up the latest culinary trend.

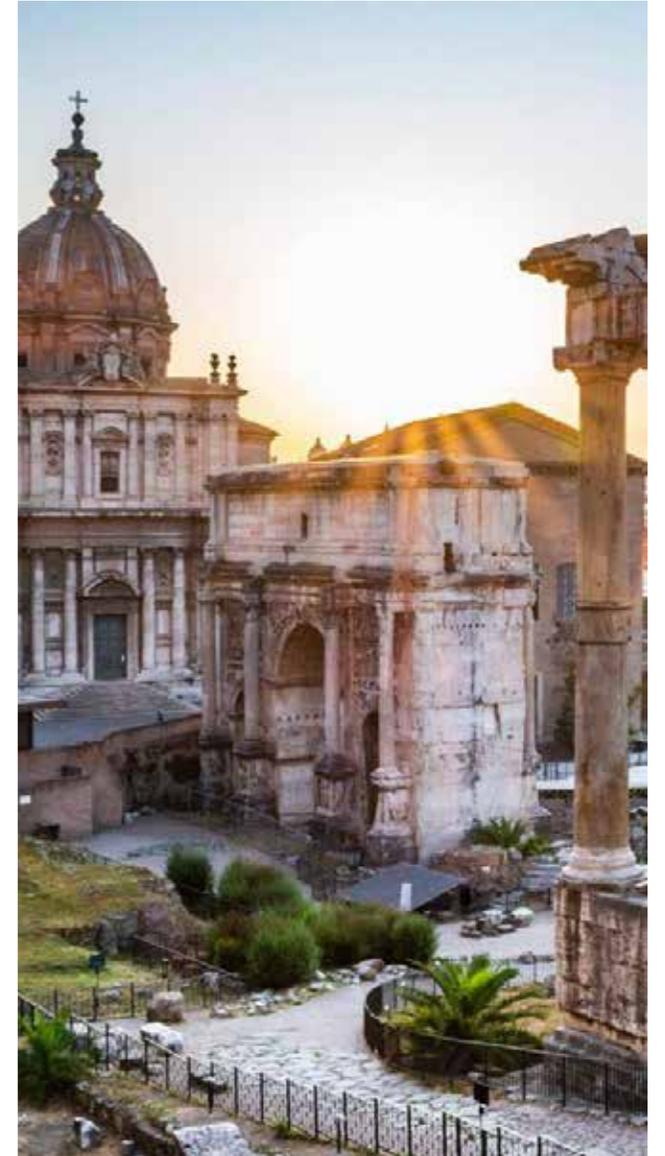
Don't miss out on Roman specialties – such as artichokes, which are so beloved they have a protected status from the European Union. Try them at the Jewish district "Ghetto". Cacio e Pepe is a simple pasta dish flavored with Pecorino Romano cheese and black pepper, and it originated in Rome. If you add smoked

pork jowl and egg, you get another Roman pasta dish, carbonara. Any Roman will agree, the best way to whet your appetite before sinking your teeth into a pizza is with fritti: deep-fried goodies that are tasty, comforting and oh-so-satisfying. A classic choice is the supplì, a fried rice-ball mixed with ragù and mozzarella and cooked to perfection.

Coffee is an art in Rome, and to enjoy one of the best espresso drinks, try out the Caffè Sant'Eustachio, established in 1938, or the Antigua Tazza d'Oro near the Pantheon.



CITY OF ROME



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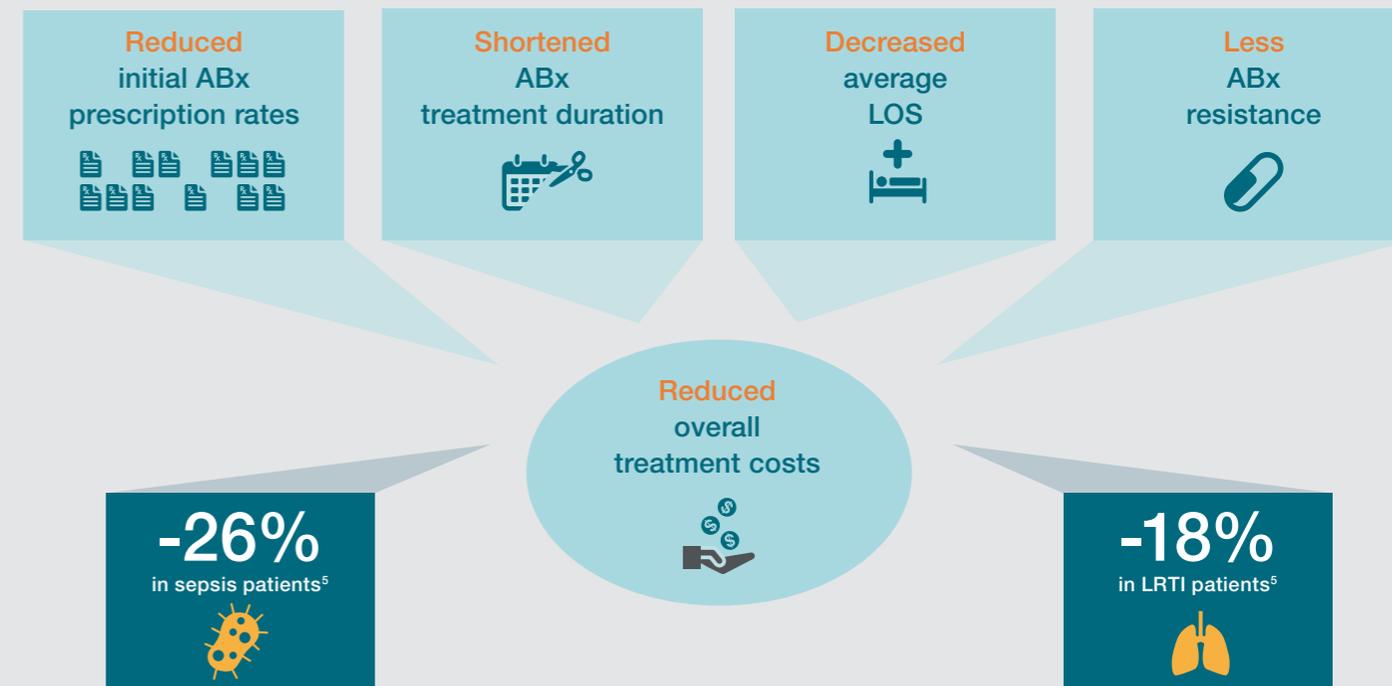
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References: 1. Schuetz et al., JAMA 2009; 302 (10): 1059-1066. 2. Nobre et al., Am J Respir Crit Care Med 2008; 177 (5): 498-505. 3. de Jong et al., Lancet Infect Dis 2016; 3099: 1-9. 4. Kyriazopoulou et al., Am J Respir Crit Care Med 2021; 203 (2): 202-210. 5. Mewes JC et al., PLoS One 2019; 14 (4): e0214222.

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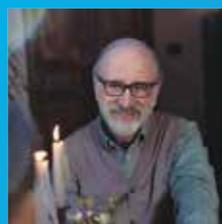
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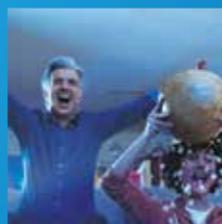
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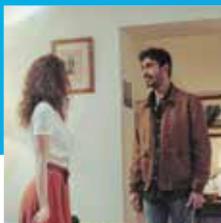
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