

ROME - SEPTEMBER 10/12, 2017  
UNIVERSITÀ URBANIANA

9<sup>TH</sup>

PROBIOTICS, PREBIOTICS  
& NEW FOODS, NUTRACEUTICALS AND BOTANICALS  
for NUTRITION & HUMAN and MICROBIOTA HEALTH

VN POPOLO DI POETI DI ARTISTI DI EROI  
DI SANTI DI PENSATORI DI SCIENZIATI  
DI NAVIGATORI DI TRASMIGRATORI



## SCIENTIFIC ORGANISERS

L. Capurso (Italy)

A. Gasbarrini (Italy)

A. Guarino (Italy)

L. Morelli (Italy)

## INTERNATIONAL SCIENTIFIC COMMITTEE

G. Barbara (Italy)

R. Berni Canani (Italy)

P. Brigidi (Italy)

M. L. Colombo (Italy)

G. Delle Fave (Italy)

J. Dorè (France)

V. Fogliano (The Netherlands)

F. Guarner (Spain)

M. Rescigno (Italy)

H. Tilg (Austria)

K. M. Tuohy (Italy)

## PEDIATRIC DAY

A. Guarino (Italy)

## SCIENTIFIC REFEREES

M. Anti (Italy)

G. Capurso (Italy)

M. Koch (Italy)

# UNDER THE PATRONAGE OF



SIGE, Società Italiana di Gastroenterologia



European Association for Gastroenterology, Endoscopy & Nutrition



MTCC, Mediterranean Task Force for Cancer Control



# UNDER THE PATRONAGE OF



Associazione Giovani Gastroenterologi ed Endoscopisti Italiani



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**08.30-10.00 a.m.****YOUNG ITALIAN GASTROENTEROLOGISTS (AGGEI).  
MEET THE EXPERT: QUESTIONS AND ANSWERS***Chairs: M. Koch (Italy), F. Scaldaferri (Italy)**Experts: L. Morelli (Italy), L. Putignani (Italy),  
C. Scarpignato (Italy), G. Capurso (Italy), K. M. Tuohy (Italy)**Discussants: F. Facciotti (Italy), L. Lopetuso (Italy), I. Marafino (Italy)  
L. Pastorelli (Italy), V. Petito (Italy)***10.00-11.30 a.m.****MASSIMO CRESPI MEMORIAL - MTCC  
(MEDITERRANEAN TASKFORCE CANCER CONTROL)***Chairs: A. Montori (Italy), P. G. Natali (Italy)**To remember Massimo Crespi  
A. Montori (Italy)**Probiotics in IBD. Running between excitement and disappointment  
N. Tozun (Turkey)**Role of probiotic in treatment of nonalcoholic fatty liver disease (NAFLD)  
R. Malekzadeh (Iran)**How we can modify microbioma and prevent cancer  
A. Saggioro (Italy)***11.30-01.00 p.m.****BOTANICALS***Chair: M. L. Colombo (Italy)**Gut pharmacomicrobiomics: the tip of an iceberg of complex interactions  
between drugs and gut-associated microbes  
R. K. Aziz (Egypt)**Artichoke and ginger promote digestive function and gastrointestinal motility  
A. Giacosa (Italy)**Melatonin, an ubiquitous and evolutionary hormone: its identification in plants  
A. Conti (Switzerland)**Plant probiotics for the production of healthy foods  
M. Giovannetti (Italy)***01.00-02.00 p.m.****Lunch**

**02.00-03.00 p.m.****OPENING CEREMONY**

*Chairs: L. Capurso (Italy), A. Gasbarrini (Italy),  
A. Guarino (Italy), L. Morelli (Italy)*

**WELCOME ADDRESS**

*L. Capurso (Italy)*

*E. Giorgetti - Farminindustria (Italy)*

*R. Pecere - IPA Europe (Belgium)*

*R. Marabelli - Ministero della Salute (Italy)*

*M.C. Parodi - FISMAD (Italy)*

*C. Agostoni - SIGENP (Italy)*

*A. Costa - FederSalus (Italy)*

**03.00-05.00 p.m.****OPENING LECTURES: PAST, PRESENT AND FUTURE**

*Prebiotics - R. A. Rastall (UK)*

*Probiotics - L. Morelli (Italy)*

*Fecal microbiota transplant - A. Gasbarrini (Italy)*

*New foods - V. Fogliano (The Netherlands)*

*Pediatric:*

*Nutrition - J. A. Vanderhoof (USA)*

*Drugs for childhood diseases - A. Guarino (Italy)*

**05.00-06.30 p.m.****PROBIOTICS, PREBIOTICS AND HUMAN HEALTH**

*Chair: K. M. Tuohy (Italy)*

*Trans-omics technologies for linking microbiota structure  
and metabolic output with human health*

*J. R. Marchesi (UK)*

*Food structure and microbiota metabolic function*

*W. Russell (UK)*

*Gut microbiota composition, bile acid signalling and human health*

*K. M. Tuohy (Italy)*

*Dietary modulation of the gut microbiota and its metabolic output in celiac disease*

*M. De Angelis (Italy)*

*Gut microbiota and tryptophan metabolism - implications for human health*

*F. Mattivi (Italy)*

**LECTURE**

*Nutraceuticals and functional foods (Nutraheff)*

*P. Lavermicocca (Italy)*

06.30-07.00 p.m.

PROBIOTICS MARKET: DEVELOPMENT AND TREND.  
THE REGULATORY FRAMEWORK

07.00 p.m.

WELCOME COCKTAIL



10.00-11.00 a.m.

**ORAL COMMUNICATIONS  
ASSESSMENT OF THE BIOACTIVITY OF FOOD COMPONENTS**

*Chair: M. L. Colombo (Italy)*

11.00-12.00 a.m.

**ORAL COMMUNICATIONS  
PROBIOTICS HEALTH EFFECTS**

*Chair: K. M. Tuohy (Italy)*

03.30-05.00 p.m.

**NUTRHEFF-CNR (NUTRACEUTICAL HEALTH ENANCING  
FUNCTIONAL FOOD)**

*Chair: P. Lavermicocca (Italy)*

Artichoke head, in vitro intestine models and probiotic bacteria:  
bioaccessibility, bioavailability, antioxidant and immunomodulatory  
activity exerted by polyphenols content

*F. Minervini (Italy)*

Use of ancient wheat crops for the diet of non-celiac gluten sensitivity

*G. Mazarella (Italy)*

NMR based plant metabolomics: saffron as a source of bioactive compounds

*R. Consonni (Italy)*

Valorization of the neglected P. mahaleb. L. fruits  
as a source of functional molecules

*C. Gerardi (Italy)*

Functional spaghetti supplemented with supercritical CO<sub>2</sub> extracted  
pumpkin oil encapsulated in α-cyclodextrins

*M. Durante (Italy)*



05.00-06.00 p.m.

**SINUT MEETING.  
CARDIOVASCULAR AND AGING PREVENTION:  
A ROLE FOR PROBIOTICS?**

*Chairs: A.F.G. Cicero (Italy), G. Scapagnini (Italy)*

Peptides derived from lactic fermentation and blood pressure control  
*A.F.G. Cicero (Italy)*

Probiotics and heart failure: a new challenge  
*A. Colletti (Italy)*

New perspective in neuroprotection by probiotics  
*G. Scapagnini (Italy)*

06.00-07.00 p.m.

**POTENTIAL ROLE OF NUTRACEUTICAL PEPTIDES**

*Chair: G. Antonini (Italy)*

Molecular models of peptides with nutraceutical properties  
*G.L. Gianfranceschi (Italy)*

Lactoferrin nutraceutical peptides  
*F. Giansanti (Italy)*

Bioactive peptides in dairy food products  
*M. Albenzio (Italy)*

**08.30-10.30 a.m.****NEW FOODS***Chair: V. Fogliano (The Netherlands)*

Sulphur compounds  
*D. Huang (Singapore)*

Mediterranean diet and microbiome  
*D. Ercolini (Italy)*

Food design & low calorie intake  
*N. Pellegrini (Italy)*

Food for mood, cognition  
*M. Dekker (The Netherlands)*

**LECTURES***Chair: G. Gasbarrini (Italy)*

Skin gut brain axis. A microbiome related link?  
*M. Picardo (Italy)*

Vitamin D: immunomodulatory aspects  
*M. Miraglia del Giudice (Italy)*

**10.30-12.00 a.m.****BENEFITS OF MULTISTRAIN BACTERIA FORMULATIONS FOR HEALTH: FROM MICROBIOLOGY TO CLINICAL TRIALS***Chairs: L. Morelli (Italy), A. Gasbarrini (Italy)*

Microbial composition and cell viability of a multi-strain bacteria formulation  
*D. Mora (Italy)*

Genomic analysis of bacteria strains - impact on quality control and function prediction (video presentation)  
*W. M. de Vos (Finland)*

Scientific literature review, state of art  
*A. Gasbarrini (Italy)*

Multi-strain bacteria formulation, a new therapeutic opportunity for the treatment of osteoporosis  
*R. Pacifici (USA)*

**12.00-01.30 p.m.****GI TRACT DISEASES: FOCUS ON GUT MICROBIOTA AND PROBIOTICS***Chairs: R. Caprilli (Italy), G. Barbara (Italy)*

Gut microbiota, probiotics and intestinal motility

*E. S. Corazzari (Italy)*

IBS

*G. Barbara (Italy)*

IBD

*D. Gilardi (Italy)*

Microbial signature in Crohn's disease

*C. Manichanh (Spain)***LECTURES***Chair: L. Orfeo (Italy)*

The role of gut microbiota in zonulin-mediated intestinal permeability, antigen trafficking and onset of chronic inflammatory diseases

*A. Fasano (USA)*

Gut microbiota trajectory and risk of developing celiac disease

*Y. Sanz (Spain)***01.30-02.30 p.m.****Lunch****02.30-03.30 p.m.****LECTURES***Chair: G. Delle Fave (Italy)*

Evidence Based Medicine and probiotics

*M. Koch (Italy)*

Antibiotic and modulation of microbiota: a new paradigm?

*A. Gasbarrini (Italy)***03.30-04.30 p.m.****MICROBIOTA AND GUT BRAIN AXIS: THE EU MYNEWGUT PROJECT***Chairs: P. Brigidi (Italy), Y. Sanz (Spain)*

Mechanisms underlying host-microbiota crosstalk insights from preclinical studies

*M. Beaumont (Belgium)*

The microbiome-host-diet dialogue in the obesity epidemic

*A. Benítez-Páez (Spain)*

Infant gut microbiota and implications for host health

*C. Stanton (Ireland)*

**04.30-05.10 p.m.****LECTURES***Chairs: M. Koch (Italy), M. Cicala (Italy)*

Metagenomic and metaproteomic aspects of autistic and Panda children  
*L. Putignani (Italy)*

Potential role of gut microbiota in Amyotrophic Lateral Sclerosis pathogenesis and possible novel therapeutic strategies  
*F. De Marchi (Italy)*

**05.10-06.30 p.m.****GUT MICROBIOTA/PROBIOTICS IN TUMORIGENESIS AND IMMUNOTHERAPY***Chairs: M. Rescigno (Italy), G. Ciliberto (Italy)*

Microbiota and cancer  
*P. Nisticò (Italy)*

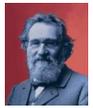
Microbiota and colon cancer  
*M. Rescigno (Italy)*

Microbiota and pancreatic cancer: an evidence-based association?  
*G. Capurso (Italy)*

Cancer immunotherapy  
*M. Maio (Italy)*

Diet and probiotics in cancer: from pathogenesis to cancer treatment  
*M. Libra (Italy)*

**06.30-07.00 p.m.****ORAL COMMUNICATIONS**



# PEDIATRIC DAY

**09.00-09.30 a.m.**

## LECTURE

Stewardship in clinical practice. Lessons from the antibiotic world  
*L. Galli (Italy)*

**09.30-11.00 a.m.**

## PROBIOTICS STEWARDSHIP IN PEDIATRICS

Evaluation tools for probiotics in clinical practice  
*H. Szajewska (Poland)*

Position papers and guidelines: the role of scientific societies  
*B. Koletzko (Germany)*

Quality of probiotics  
*S. Kolacek (Croatia)*

Implementation science applied to probiotics  
*A. Guarino (Italy)*

**11.00-11.30 a.m.**

## Break

**11.30-01.00 p.m.**

## PROBIOTICS IN CLINICAL PRACTICE: CONSOLIDATED INDICATIONS

Acute gastroenteritis  
*A. Lo Vecchio (Italy)*

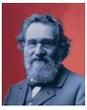
Antibiotic associated diarrhea  
*Y. Vandenplas (Belgium)*

Nosocomial infections  
*I. Hojsak (Croatia)*

Infantile colics  
*F. Indrio (Italy)*

**01.00-02.00 p.m.**

## Lunch



**02.00-03.30 p.m.**

**PROBIOTICS IN PAEDIATRIC GASTROENTEROLOGY:  
EMERGING INDICATIONS**

IBDs

*E. Scarpato (Italy)*

Functional intestinal disorders

*M. M. Tabbers (The Netherlands)*

NEC

*J. B. van Goudoever (The Netherlands)*

NAFLD/NASH

*V. Nobili (Italy)*

**03.30-04.00 p.m.**

**Break**

**04.00-05.30 p.m.**

**PROBIOTICS FOR PAEDIATRIC EXTRAINTESTINAL DISORDERS:  
WHERE WE ARE NOW**

Respiratory tract infections

*E. Bruzzese (Italy)*

Allergy

*R. Berni Canani (Italy)*

Obesity

*E. Isolauri (Finland)*

**05.30-06.00 p.m.**

**Conclusions**

**08.30-10.00 a.m.****NOVEL ANTI-INFLAMMATORY STRATEGIES TO COUNTERACT GUT AND LIVER INFLAMMATION***Chair: S. Cucchiara (Italy)*

Probiotics and omega-3 cooperate in reducing inflammation

*L. Stronati (Italy)*

Novel strategies for culturing probiotics

*V. Cesi (Italy)*

Microbiota and fatty liver: a new therapy target?

*V. Nobili (Italy)***LECTURE**

Gender medicine: sex and microbiota influences in functional gastrointestinal disorders

*C. Severi (Italy)***10.00-11.30 a.m.****MORE IS BETTER***Chair: P. Malferteiner (Germany)*

Probiotics dose-response

*C. Scarpignato (Italy)*

Bifidobacteria

*S. Guglielmetti (Italy)*

Multi strains effectiveness

*A. Ouwehand (Finland)*

**11.30-12.50 p.m.****NEW GENERATION PROBIOTICS***Chairs: J. Dorè (France), G. Ippolito (Italy)*

Faecalibacterium prausnitzii

*P. Langella (France)*

Akkermansia muciniphila

*C. Belzer (The Netherlands)*

Eubacterium hallii

*C. Schwab (Switzerland)*

Bacteroides fragilis

*C. González De Los Reyes-Gavilán (Spain)*

Archaea: great expectations from a forgotten island in next generation probiotics

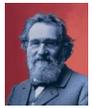
*J. F. Brugere (France)***12.50-01.30 p.m.****LECTURES**

Probiotics in foods

*R. Berni Canani (Italy)*

Probiotics and sport: from clinical evidence to agonistic performance

*M. Pane (Italy)*

**08.00-09.30 a.m.****PROBIOTICS FOR VAGINAL HEALTH***Chairs: F. Vicariotto (Italy), S. Lello (Italy)*

Molecular mechanisms of probiotic action

*S. Lebeer (Belgium)*

Murine model of suppurative hysteritis to select vaginal probiotics

*G. Pozzi (Italy)*

Current clinical use of probiotics

*N. Giovannini (Italy)***09.30 -10.00 a.m.****LECTURE**Early assembly of the microbiome and *L. rhamnosus* HN001 in pregnancy and the potential to influence fetal immune parameters*A. Ouwehand (Finland)***10.00 -11.30 a.m.****MINI LECTURES***Chairs: E. S. Corazziari (Italy), M. Anti (Italy)*

Stress and immune function: there is a role for the gut microbiota?

*A. Castellazzi (Italy)*An innovative and remarkable activity of micronized cells of the probiotic strain *B. lactis* BS01 on macrophage activation and polarization: a new vaccine strategy*L. Mogna (Italy)*

Influences of dietary fat and probiotic administration on zebrafish microbiota core: effects on glucose and lipid metabolism

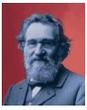
*O. Carnevali (Italy)*

Metabolic effects of fiber and prebiotics: role of microbiota

*M. Vitale (Italy)*

Which role of nutraceuticals in functional intestinal disease?

*E. Lahner (Italy)*



11.30-01.00 p.m.

**ORAL COMMUNICATIONS**

*Chairs: P. Lavermicocca (Italy), V. Fogliano (The Netherlands)*

Neurotrophins' modulation by olive polyphenols  
*V. Carito (Italy)*

Transcriptome-based identification of new anti-anti-inflammatory and vasodilating properties of the n-3 fatty acid docosahexaenoic acid in vascular endothelial cells  
*M. Massaro (Italy)*

*Corylus avellana* immunomodulatory effect on human monocyte-derived-macrophages  
*G. Cappelli (Italy)*

Betalains, phenols and antioxidant capacity in cactus pear [*Opuntia ficus-indica* (L.) Mill.] fruits and cladodes from Apulia (South Italy) genotypes  
*F. Blando (Italy)*

Neuroprotective role of natural polyphenols from *Sambucus nigra*  
*S. Moccia (Italy)*

Effect of total apple polyphenols extract as inhibitors of amyloid protein aggregation  
*V. Guarrasi (Italy)*

Neuroprotective activity of conjugated linoleic acid in an animal model of auto-immune disease  
*P. Bergamo (Italy)*

# GENERAL INFORMATION

**DATES**

September 10-12, 2017

**VENUE**

Università Urbaniana, Terminal Gianicolo Via Urbano VIII, 16, 00165 Rome, Italy  
Phone +39 06 69889611, Fax +39 06 69881871  
[www.urbaniana.edu](http://www.urbaniana.edu)

**LANGUAGE**

English will be the official language of the Meeting.

**CLOTHING**

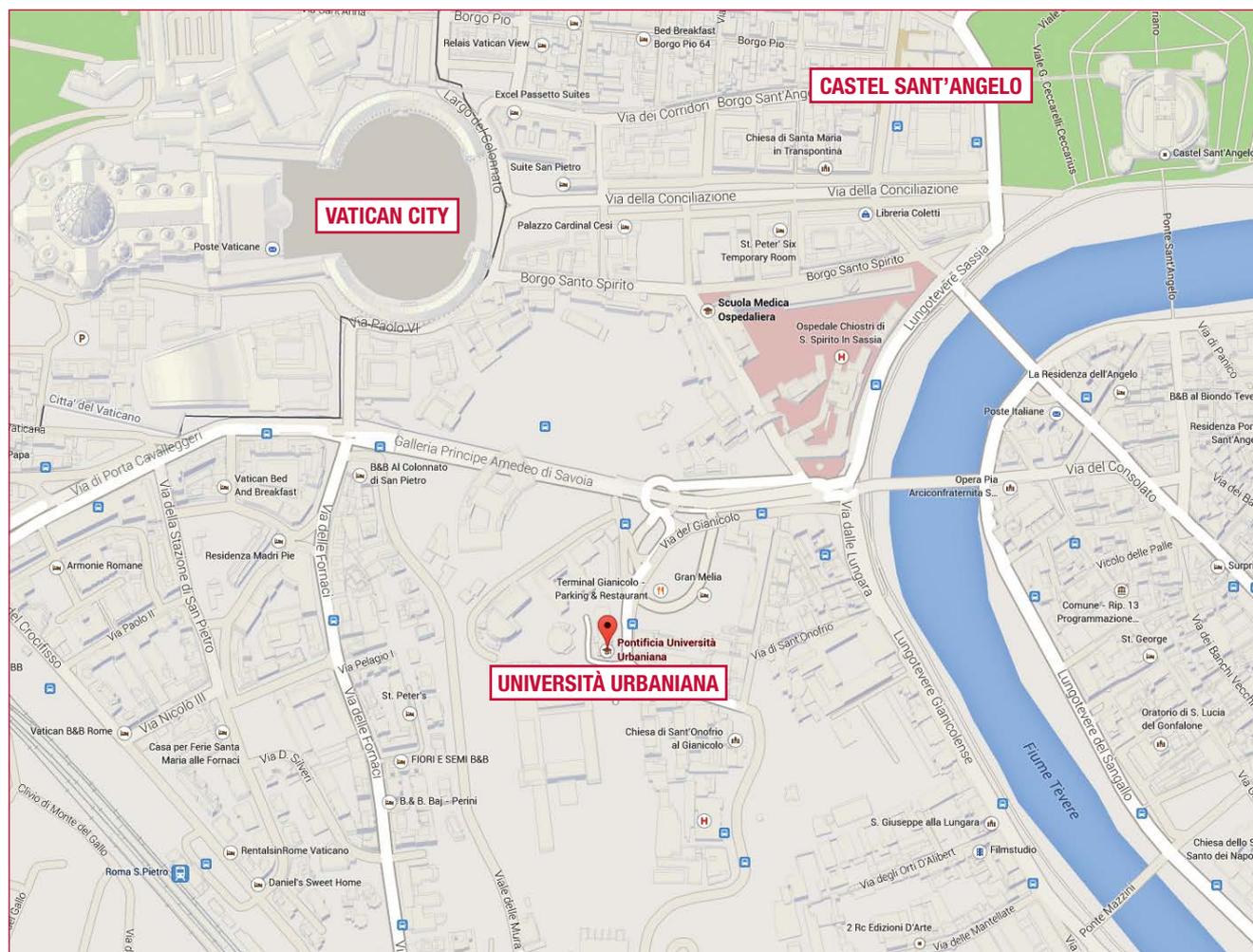
Informal for all occasions.

**CLIMATE**

September in Rome is still hot but unpredictable.

**BADGES**

All participants exhibitors are kindly requested to wear their badges throughout the Meeting area in order to be admitted to the scientific sessions and to all the activities of the Meeting.



## GENERAL INFORMATION

### REGISTRATION FEES (22% VAT included)

Participants	€ 300,00
Biologists/Pharmacists	€ 150,00
Dieticians/Nutritionists	€ 150,00
Nurses	€ 100,00
Members Mediterranean Task Force for Cancer Control	€ 150,00
Under 35*	€ 150,00
Pediatric Day**	€ 200,00
Under 35 Pediatric Day	€ 100,00
Daily Registration	€ 200,00

\* the applicant's registration form must be accompanied by a copy of an official document.

\*\* If you are not registered to the Meeting.

### Registration fee includes:

- Admission to scientific sessions, technical exhibition
- Final programme
- Selected proceedings and abstracts
- Coffee corner and lunch
- Opening ceremony and welcome cocktail
- Certificate of attendance
- Italian CME certificate (to whom entitled)

### Cancellation Policy

Written cancellation must be sent to the Organising Secretariat.

50% of the total amount will be refunded for cancellations received within July 31, 2017, bank expenses excluded.

No refunds will be made after this date. Refunds will be made after the Meeting has been concluded.

### BANKING AND EXCHANGE

The Italian monetary system is Euro. Foreign currency may be exchanged at banks during normal banking hours, at hotels, at airports and in exchange offices. All major credit cards are accepted in most hotels, restaurants and shops.

### LIABILITY AND INSURANCE

The Organising Secretariat cannot accept liability for personal injuries or for loss of, or damage to, property belonging to meeting participants (or their accompanying persons), either during or as a result of the Meeting. Please check the validity of your own insurance.

### CERTIFICATE OF ATTENDANCE

The certificate of attendance will be given to all registered participants at the Organising Secretariat desk at the end of the Meeting.

### FOOD AND BEVERAGES

Lunch and coffee/tea during breaks (as indicated in the programme) are included in the registration fee.

**PARKING**

Cars could be parked at terminal Gianicolo. Participants to the meeting will have a special rate. To obtain it, please ask at Organising Secretariat desk.

**ABOUT ROME**

Rome is the capital city of Italy and of the Lazio region, as well as the country's largest and most populous comune, with more than 2.7 million residents. The metropolitan area has a population of about 4 million. It is located in the central-western portion of the Italian peninsula, where the river Aniene joins the Tiber.

The Mayor of Rome is Virginia Raggi. An enclave of Rome is the State of the Vatican City, the sovereign territory of the Holy See. It is the smallest nation in the world, and the capital of the only religion to have representation in the United Nations (as a non-member observer state).

Rome, Caput mundi ("capital of the world"), la Città Eterna ("the Eternal City"), Limen Apostolorum ("threshold of the Apostles"), la Città dei Sette Colli ("the city of the seven hills") or simply l'Urbe ("the City"), is thoroughly modern and cosmopolitan. As one of the few major European cities that escaped World War II relatively unscathed, central Rome remains essentially Renaissance and Baroque in character. The Historic Centre of Rome is listed by UNESCO as a World Heritage Site.

**AIRPORT INFORMATION**

Rome can easily be reached by plane and is served by two international airports.

Participants can fly into Rome via Leonardo da Vinci Airport, located in Fiumicino, 34 km from Rome's historic city centre or via Ciampino Airport, situated 15 km southeast of central Rome.

**ACCESS TO ROME FROM THE AIRPORTS**Access from Leonardo da Vinci Airport:

The airport is served by the Leonardo Express train operated by Trenitalia, available at the airport terminal. The trip takes 30 minutes (no stops) to Termini Station in Rome - there are two such connections per hour. Alternatively, local trains leave once every 15 minutes, stopping at all train stations. You may have to change at Trastevere, Ostiense (Metro Piramide) or Tuscolana.

Cars rental are available in the airport terminal from all the usual companies.

Access from Ciampino Airport:

There is no rail transport at Ciampino Airport. The options are to take a bus to a rail station (either metro or regular train) or to take a bus or taxi all the way.

**ALL THE WAY BY ROAD TRANSPORT**

- Terravision runs a direct bus service to Termini. The price is € 5,00 c.a. one-way or € 10,00 c.a. return, taking 55 minutes (about 20 services a day). Despite timing buses to connect with flights, passengers on the return trip from Termini are asked to board the bus 2.5 hours before their flight's departure time. The last bus is at 23:00. Terravision also offers buses from Fiumicino airport to Termini, and a transfer bus between the two airports.
- Schiaffini also runs direct buses to Termini station for € 5,90 one-way, taking 45 minutes, but with far fewer departures than Terravision (see above). These buses are not mentioned on the airport website but they can be found on Schiaffini's own site.
- The fixed fare for a taxi ride to the city centre (inside the Aurelian Walls) is € 40,00, according to the official agreement between Roman taxi driver associations and Rome municipality. It is advisable to negotiate the total price including luggage supplements before boarding the taxi. Cars rental are available in the airport terminal from all the usual companies.

### HOW TO GET TO THE MEETING VENUE

From Termini Rail Station:

By taxi - We recommend you to only use licensed taxis available outside the station.

Telephone number main taxis companies:

+39 06 3570 Radio Taxi

+39 06 5551 Samarcanda

+39 06 4994 La Capitale

By public transport - Arriving from Termini Railways Station - BUS 64 stop at Lgt. Sassia (S.Spirito Hospital) - 350 metres walking

From Leonardo da Vinci Airport/Ciampino Airport:

By taxi - We recommend you to only use licensed taxis available outside the airport.

Telephone number main taxis companies:

+39 06 3570 Radio Taxi

+39 06 5551 Samarcanda

+39 06 4994 La Capitale

### TRANSPORTATION IN THE CITY

Rome has a very efficient transportation system that services the entire city, which includes the Metro network as well as buses, trains and taxis.

### ORGANISING SECRETARIAT

Please do not hesitate to contact the Organising Secretariat if you require any additional information or assistance. Please address all correspondence to:

## MEETING&CONSULTING

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