

ROME - SEPTEMBER 10/12, 2017
UNIVERSITÀ URBANIANA

9TH

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

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. Doré (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



Consiglio Nazionale delle Ricerche



SIGE, Società Italiana di Gastroenterologia



Fondazione Aldo Torsoli
per le Malattie dell'Apparato Digerente
del Fegato e del Pancreas



European Association for Gastroenterology, Endoscopy & Nutrition



Società Italiana di Nutraceutica



NUTRITION FOUNDATION
OF ITALY

UNDER THE PATRONAGE OF



Associazione Giovani Gastroenterologi ed Endoscopisti Italiani



MTCC, Mediterranean Task Force for Cancer Control



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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. R. Lopetuso (Italy), I. Marafini (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)**Our microbiome cloud and us: common destiny and conflicts of interest
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 (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)

06.30-07.30 p.m.

LECTURES

Chair: V. Fogliano (The Netherlands)

Nutraceuticals and functional foods (Nutraheff)

P. Lavermicocca (Italy)

Probiotics market: development and trend. The regulatory framework

M. Carnassale (Italy)

07.30 p.m.

WELCOME COCKTAIL



10.30-11.00 a.m.

ORAL COMMUNICATIONS

ASSESSMENT OF THE BIOACTIVITY OF FOOD COMPONENTS

Chair: M. L. Colombo (Italy)

OC. 1 - THE EFFECT OF DIETARY FIBRE SUPPLEMENTATION ON CLINICAL MANIFESTATIONS AND OESOPHAGEAL FUNCTION IN NON-EROSIVE REFLUX DISEASE PATIENTS WITH LOW DIETARY FIBRE INTAKE

Mariya Konovalova ⁽¹⁾, Sergey Morozov ⁽¹⁾, Vasily Isakov ⁽¹⁾

⁽¹⁾ *Federal Research Center of Nutrition and Biotechnology, Gastroenterology and Hepatology, Moscow, Russian Federation*

OC. 2 - PREBIOTIC POTENTIAL EVALUATION OF AGAVE FRUCTAN FRACTIONS USING AN EX VIVO SYSTEM: A COMPARISON BASED ON POLYMERIZATION DEGREE

Ricardo García Gamboa ⁽¹⁾, Marisela Gonzalez Ávila ⁽¹⁾

⁽¹⁾ *Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco, A.C., biotecnología médica y farmacéutica, GUADALAJARA, Mexico*

OC. 3 - THE MOLECULAR IDENTIFICATION AND ISOLATION OF PROBIOTICS PRESENT IN SOME DAIRY PRODUCTS AND THE EFFECT OF AURICULARIA POLYTRICHA ON THESE PROBIOTICS

Gamze Cagatay ⁽²⁾, Gulcin Alp Avci ⁽¹⁾, Burcin Ozcelik ⁽³⁾, Aslı Kara ⁽³⁾, Emre Avci ⁽²⁾, Menderes Suicmez ⁽²⁾

⁽¹⁾ *Hitit University, Department Molecular Biology and Genetics, Molecular Microbiology and Biotechnology, Çorum, Turkey*

⁽²⁾ *Hitit University, Department Molecular Biology and Genetics, Çorum, Turkey*

⁽³⁾ *Hitit University, Department Biology, Çorum, Turkey*

OC. 4 - ORGANOLEPTIC & SENSORY EVALUATION OF A NOVEL FOOD PRODUCT FROM CARICA PAPAYA

Dr. Jyoti Vora ⁽¹⁾, Sneha Pednekar ⁽¹⁾

⁽¹⁾ *Ramnarain Ruia College, Department of Biochemistry & FSQC, University of Mumbai, Mumbai, India*

OC. 5 - DISCOVERY OF NOVEL PROBIOTIC STRAINS WITH SUPERIOR PROPERTIES IN THE PRESENCE OF VIRAL GASTROENTERITIS AGENTS

Gulcin ALP AVCI ⁽¹⁾, Emre AVCI ⁽¹⁾

⁽¹⁾ *Hitit University, Molecular Biology and Genetics, Çorum, Turkey*



11.00-12.00 a.m.

**ORAL COMMUNICATIONS
PROBIOTICS HEALTH EFFECTS***Chair: K. Tuohy (Italy)***OC. 6 - EXPOSURE OF LACTOBACILLUS BULGARICUS AND LACTOBACILLUS CASEI TO 2.4 GHZ WI-FI RADIOFREQUENCY RADIATION ENHANCES THE GROWTH OF THESE PROBIOTIC BACTERIA**SMJ Mortazavi ⁽¹⁾*⁽¹⁾ Fox Chase Cancer Center, FCCC, Philadelphia, United States***OC. 7 - NOVEL STRATEGIES THAT ENHANCE THE BIOAVAILABILITY OF PROBIOTICS FOR THERAPEUTIC USE DURING INFLAMMATORY BOWEL DISEASE**Sandeep K Gill ⁽¹⁾, Artem Godovannyi ⁽¹⁾, Jacqueline A Barnett ⁽¹⁾, Candice Quin ⁽¹⁾
Sanjoy Ghosh ⁽¹⁾, Deanna L Gibson ⁽¹⁾*⁽¹⁾ University of British Columbia Okanagan, Biology Unit 2, Kelowna, Canada***OC. 8 - EX VIVO AND NUTRITIONAL EVALUATION OF A SYMBIOTIC ON THE IMPACT OF GUT MICROBIOTA AND BODY COMPOSITION IN OBESE SUBJECTS: STUDY REFERENCED IN BLOOD SIBLING**Nad'xeli Saharay Galvez Alvarez ⁽¹⁾, Marisela Gonzalez Ávila ⁽¹⁾*⁽¹⁾ Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco A.C.,
Biotecnología Médica y Farmacéutica, Guadalajara, Mexico***OC. 9 - EFFECT OF MATRIX MODIFICATION ON DRYING AND SYMBIOTIC SYNERGY OF MICRO-SPHERES CONTAINING PROBIOTICS**Anil Pandey ⁽¹⁾, Neelam Yadav ⁽²⁾, Atul Kumar Mishra ⁽³⁾*⁽¹⁾ Centre of Food Technology, University of Allahabad, Allahabad, India**⁽²⁾ Centre of Food Technology Centre of Food Technology University of Allahabad, Allahabad**⁽³⁾ Centre of Food Technology University of Allahabad***OC. 10 - NEW PROBIOTIC WHEY PROTEIN FORTIFIED BEVERAGE ENRICHED WITH BIFIDOGENIC FIBERS**Silvia De Candia ⁽¹⁾, Laura Quintieri ⁽¹⁾, Leonardo Caputo ⁽¹⁾, Francesca De Leo ⁽²⁾,
Antonio F. Logrieco ⁽¹⁾, Federico Baruzzi ⁽¹⁾*⁽¹⁾ National Research Council, Institute of Sciences of Food Production, BARI, Italy*



OC. 11 - THERAPEUTIC PROSPECTS OF LACTOBACILLUS RHAMNOSUS GG (LGG) POSTBIOTICS ON INFECTIVE DAMAGE OF HUMAN COLONIC MUSCLE

Alessia Cicenía ⁽¹⁾, Valentina Totino ⁽²⁾, Lucia Pallotta ⁽¹⁾, Massimo Marignani ⁽³⁾, Annunziata Scirocco ⁽¹⁾, Guglielmo Tellan ⁽⁴⁾, Marilia Carabotti ⁽¹⁾, Serena Schippa ⁽²⁾, Enrico Corazziari ⁽¹⁾, Carola Severi ⁽¹⁾

⁽¹⁾ University Sapienza Rome, Dip. Med. Int. e Spec. Med., Rome, Italy

⁽²⁾ University Sapienza Rome, Dip. Sanità Pubblica e Malattie Infettive, Rome, Italy

⁽³⁾ University Sapienza Rome, UOC Malattie dell'Apparato Digerente e Fegato, Rome, Italy

⁽⁴⁾ University Sapienza Rome, Dip. di Chirurgia "F. Durante", Rome, Italy

OC. 12 - EFFECT OF "IFLORA" AS A PROBIOTIC ON PENTYLENETETRAZOL-INDUCED SEIZURES IN RATS

Parvaneh Jafari ⁽¹⁾, Aram Gharebaghi ⁽²⁾, Hamidreza Mohajerani ⁽²⁾, Saeed Tahmasebi ⁽²⁾, Neda Akbari ⁽²⁾, Maryam Tajabadi Ebrahimi ⁽³⁾

⁽¹⁾ Founding member of Iranian society of probiotics and functional foods

and Faculty member of IAU, Microbiology department, Science faculty, Arak branch, Arak, Iran

⁽²⁾ IAU, Microbiology department, science faculty, Arak branch, Arak, Iran

⁽³⁾ IAU, Biology department, science faculty, Tehran central branch, Tehran, Iran

OC. 13 - OBTAINING AND EFFECTS OF AN ANTI-CANCER FORMULATION BASED ON A PROTEIN SOLUBLE HYDROLYSATE (PSH) OBTAINED FROM THE PROBIOTIC BACTERIA L. FERMENTUM DSM32448

Erica Castro ⁽¹⁾

⁽¹⁾ Universidad San Sebastián, Facultad de Medicina, Concepción, Chile

01.00-02.00 p.m.

Lunch

03.30-05.00 p.m.

NUTRHEFF-CNR (NUTRACEUTICAL HEALTH ENHANCING 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. Mazzarella (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 CO₂ 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 and 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 A MULTISTRAIN BACTERIA FORMULATION 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. Corazziari (Italy)

IBS

G. Barbara (Italy)

IBD

D. Gilardi (Italy)

Microbial signature in Crohn's disease

*C. Manichanh (Spain)***LECTURE***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)***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***Chair: P. Brigidi (Italy)*

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), P. Nisticò (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)



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

Chair: Y. Yamashiro (Japan)

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

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

Chair: H. Szajewska (Poland)

Acute gastroenteritis
A. Lo Vecchio (Italy)

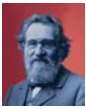
Antibiotic associated diarrhea
Y. Vandenplas (Belgium)

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**

Chair: S. Kolacek (Croatia)

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**

Chair: J. A. Vanderhoof (USA)

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.****AGUI SESSION***Chairs: N.Colacurci (Italy), D.Caserta (Italy)*

Vaginal microbiota and HPV infection.
A new perspective on cervical cancerogenesis?
A. Perino (Italy)

Changes of vaginal microbiota and high estrogen levels
in controlled ovarian stimulation (COS)
V. De Leo (Italy), P. Piomboni (Italy)

Probiotics in the treatment of bacterial vaginosis
A. Cianci (Italy)

Nutraceutical approach to menopausal complaints
P. De Franciscis (Italy)

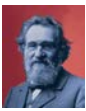
09.30-11.00 a.m.**PROBIOTICS FOR VAGINAL HEALTH***Chairs: F. Vicariotto (Italy), S. Lello (Italy)*

Early assembly of the microbiome and *L. rhamnosus* HN001 in pregnancy
and the potential to influence fetal immune parameters
A. Ouwehand (Finland)

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)



11.00-12.00 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)



12.00-12.45 a.m.

ORAL COMMUNICATIONS**NUTRHEFF - CNR HOT TOPICS: FOOD BIOACTIVE COMPOUNDS AND HEALTH***Chairs: P. Lavermicocca (Italy), V. Fogliano (The Netherlands)***OC. 12 - NEUROTROPHINS' MODULATION BY OLIVE POLYPHENOLS**Valentina Carito ⁽¹⁾, Mauro Ceccanti ⁽²⁾, Marco Fiore ⁽¹⁾⁽¹⁾ IBCN-CNR, Institute of Molecular Biology and Neurobiology, Rome, Italy⁽²⁾ Centro Riferimento Alcolologico Regione Lazio,, Università di Roma "La Sapienza", Rome, Italy**OC. 13 - TRANSCRIPTOME-BASED IDENTIFICATION OF NEW ANTI-INFLAMMATORY AND VASODILATING PROPERTIES OF THE N-3 FATTY ACIDS DOCOSAHEXAENOIC ACID IN VASCULAR ENDOTHELIUM**Marika Massaro ⁽¹⁾⁽¹⁾ Institute of Clinical Physiology, NATIONAL RESEARCH COUNCIL, LECCE, Italy**OC. 14 - CORYLUS AVELLANA IMMUNOMODULATORY EFFECT ON HUMAN MONOCYTE-DERIVED-MACROPHAGES**Giulia Cappelli ⁽¹⁾, Daniela Giovannini ⁽¹⁾, Anna Lisa Basso ⁽¹⁾, Olivia De Murtas ⁽²⁾, Gianfranco Diretto ⁽²⁾, Chiara Santi ⁽²⁾, Loretta Bacchetta ⁽²⁾, Francesca Mariani ⁽¹⁾⁽¹⁾ CNR, IBCN, Rome, Italy⁽²⁾ ENEA Casaccia, Rome, Italy, Bioprocess and bioproducts laboratory, Rome, Italy**OC. 15 - BETALAINS, PHENOLS AND ANTIOXIDANT CAPACITY IN CACTUS PEAR (OPUNTIA FICUS-INDICA (L.) MILL.) FRUITS AND CLADODES FROM APULIA (SOUTH ITALY) GENOTYPES**Federica Blando ⁽¹⁾, Clara Albano ⁽²⁾, Carmine Negro ⁽³⁾, Gabriele Maiorano ⁽¹⁾, Carmela Gerardi ⁽¹⁾, Giovanni Mita ⁽¹⁾, Antonio Miceli ⁽³⁾, Luigi De Bellis ⁽³⁾⁽¹⁾ Institute of Sciences of Food Production (ISPA), CNR, Lecce, Italy⁽²⁾ Institute of Sciences of Food Production (ISPA), CNR, Milan, Italy⁽³⁾ Department of Biological and Environmental Sciences and Technologies (DISTeBA), Salento University, Lecce, Italy**OC. 16 - NEUROPROTECTIVE ROLE OF NATURAL POLYPHENOLS FROM SAMBUCUS NIGRA**Stefania Moccia ⁽¹⁾, Carmela Spagnuolo ⁽¹⁾, Gian Luigi Russo ⁽¹⁾⁽¹⁾ Institute of Food Sciences, National Research Council, Via Roma 64, Avellino, Italy



OC. 17 - EFFECT OF TOTAL APPLE POLYPHENOLS EXTRACT AS INHIBITORS OF AMYLOID PROTEIN AGGREGATION

Valeria Guarrasi ⁽¹⁾, Cinzia Giacomina Rappa ⁽¹⁾, Maria Assunta Costa ⁽¹⁾, Fabio Librizzi ⁽¹⁾, Marco Raimondo ⁽¹⁾, Silvia Vilasi ⁽¹⁾, Donatella Bulone ⁽¹⁾, Pier Luigi San Biagio ⁽¹⁾, Maria Antonietta Germanà ⁽²⁾

⁽¹⁾ Consiglio Nazionale delle Ricerche, Istituto di Biofisica CNR sede secondaria di Palermo, Palermo, Italy

⁽²⁾ Università degli Studi di Palermo, Dipartimento di Scienze Agrarie, Alimentari e Forestali, Palermo, Italy

OC. 18 - NEUROPROTECTIVE ACTIVITY OF CONJUGATED LINOLEIC ACID IN AN ANIMAL MODEL OF AUTO-IMMUNE DISEASE

Paolo Bergamo ⁽¹⁾, Antonio Monaco ⁽²⁾, Ida Ferrandino ⁽²⁾, Ennio Cocca ⁽³⁾, Floriana Boscaino ⁽¹⁾, Francesco Maurano ⁽¹⁾, Mauro Rossi ⁽¹⁾

⁽¹⁾ Italian National Research Council (CNR), Institute of Food Sciences, Avellino, Italy

⁽²⁾ University "Federico II" of Naples, Department of Biology, Naples, Italy

⁽³⁾ Italian National Research Council (CNR), Institute of Biosciences and Bio-Resources, Naples, Italy

12.45-01.30 p.m.

**ORAL COMMUNICATIONS
GUT MICROBIOTA AND METABOLISM**

Chair: P. Brigidi (Italy)

OC. 19 - DPPIV ACTIVITY OF THE GUT MICROBIOTA: A NEW TARGET FOR THE INTESTINAL HOMEOSTASIS?

Marta Olivares Sevilla ⁽¹⁾, Audrey M. Neyrinck ⁽¹⁾, Sarah Pötgens ⁽¹⁾, Martin Beaumont ⁽¹⁾, Laure B. Bindels ⁽¹⁾, Nathalie M. Delzenne ⁽¹⁾

⁽¹⁾ Université catholique de Louvain, Louvain Drug Research Institute.

Metabolism and Nutrition Research Group., Brussels, Belgium

OC. 20 - SUPPLEMENTATION WITH A FOODBORNE COMPLEX MICROBIAL COMMUNITY EXERTS PROTECTIVE ACTIVITY ON OBESITY-ASSOCIATED INFLAMMATION IN A MURINE MODEL

Chiara Devirgiliis ⁽¹⁾, Marianna Roselli ⁽¹⁾, Paola Zinno ⁽¹⁾, Barbara Guantario ⁽¹⁾, Alberto Finamore ⁽¹⁾, Rita Rami ⁽¹⁾, Giuditta Perozzi ⁽¹⁾

⁽¹⁾ CREA- Council for Agricultural Research and Economics,

CREA-AN Food & Nutrition Research Centre, Roma, Italy

**OC. 21 - EFFECTS ON CHOLESTEROL METABOLISM OF BIFIDOBACTERIA IN HUMAN INTESTINAL MICROFLORA**

Emre Avci ⁽¹⁾, Gulcin Alp Avci ⁽²⁾

⁽¹⁾ Hitit University, Department Molecular Biology and Genetics, Biochemistry and Molecular Biology, Çorum

⁽²⁾ Hitit University, Department Molecular Biology and Genetics, Molecular Microbiology and Biotechnology, Çorum

OC. 22 - LIPOPOLYSACCHARIDE AND PROBIOTIC BACTERIA EFFECT ON RAT JEJUNUM VILLOUS EPITHELIUM BY TRANSMISSION ELECTRON MICROSCOPY

Oksana Rybalchenko ⁽¹⁾, Olga Orlova ⁽²⁾, Olga Vishnevskaya ⁽²⁾,
Elena Pariyskaya ⁽²⁾, Lidia Zakharova ⁽²⁾

⁽¹⁾ Saint-Petersburg University, Pysiology department, Saint-Peterburg, Russian Federation

⁽²⁾ Saint-Petersburg University, Physiology department, Saint-Peterburg, Russian Federation

OC. 23 - BIFIDOBACTERIUM ANIMALIS SSP. LACTIS 420 WITH OR WITHOUT POLYDEXTROSE CONTROLS BODY FAT MASS AND WAIST CIRCUMFERENCE IN OVERWEIGHT AND OBESE ADULTS — RANDOMIZED CONTROLLED CLINICAL TRIAL
Jenni Reimari ⁽¹⁾

⁽¹⁾ DuPont Nutrition & Health, Global Health and Nutrition Science, Kantvik, Finland

OC. 24 - SHAPE GUT MICROBIOTA, SHAPING OUR BODY COMPOSITION
Melissa Rivera Escoto ⁽¹⁾, Marisela González Avila ⁽¹⁾

⁽¹⁾ Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco A.C.,
Biotecnología Médica y Farmacéutica., Guadalajara, Jalisco., Mexico

OC. 25 - INVESTIGATION OF COMPETITION BETWEEN STAPHYLOCOCCAL MEMBERS OF THE HUMAN NASAL MICROBIOTA AND MULTI-RESISTANT S. AUREUS

Marina Z. Ghattas ⁽¹⁾, Marwa T. Elrakaiby ⁽¹⁾, Ramy K. Aziz ⁽¹⁾, Hamdallah H. Zedan ⁽¹⁾

⁽¹⁾ Faculty of Pharmacy, Cairo University, Department of Microbiology and Immunology, Cairo, Egypt

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

LANGUAGE

English will be the official language of the Meeting.

CLOTHING

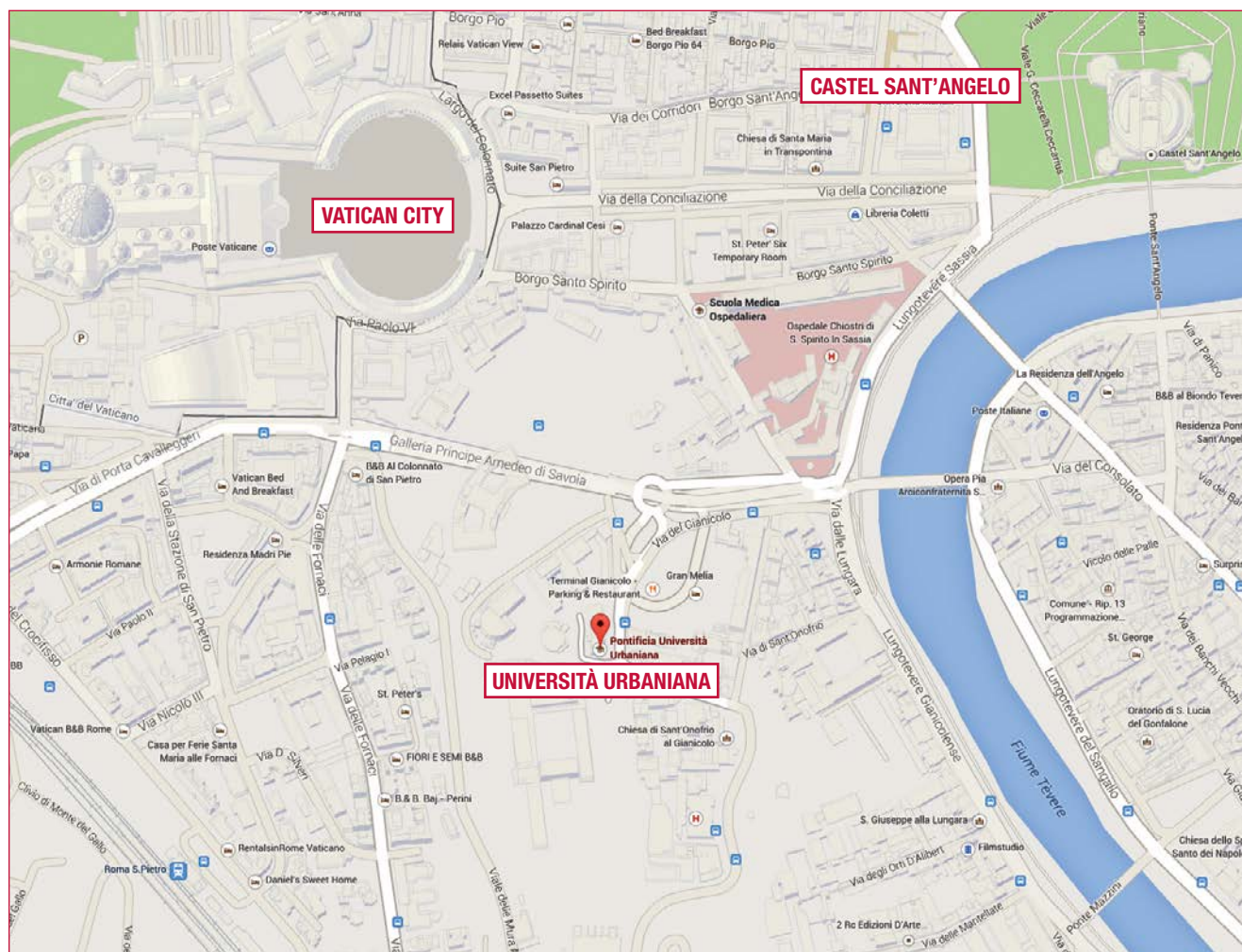
Informal for all occasions.

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.



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 |
| Members FederSalus | € 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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