

ROME SEPTEMBER 14-16, 2025

Confindustria Congress Center

ROME 2025

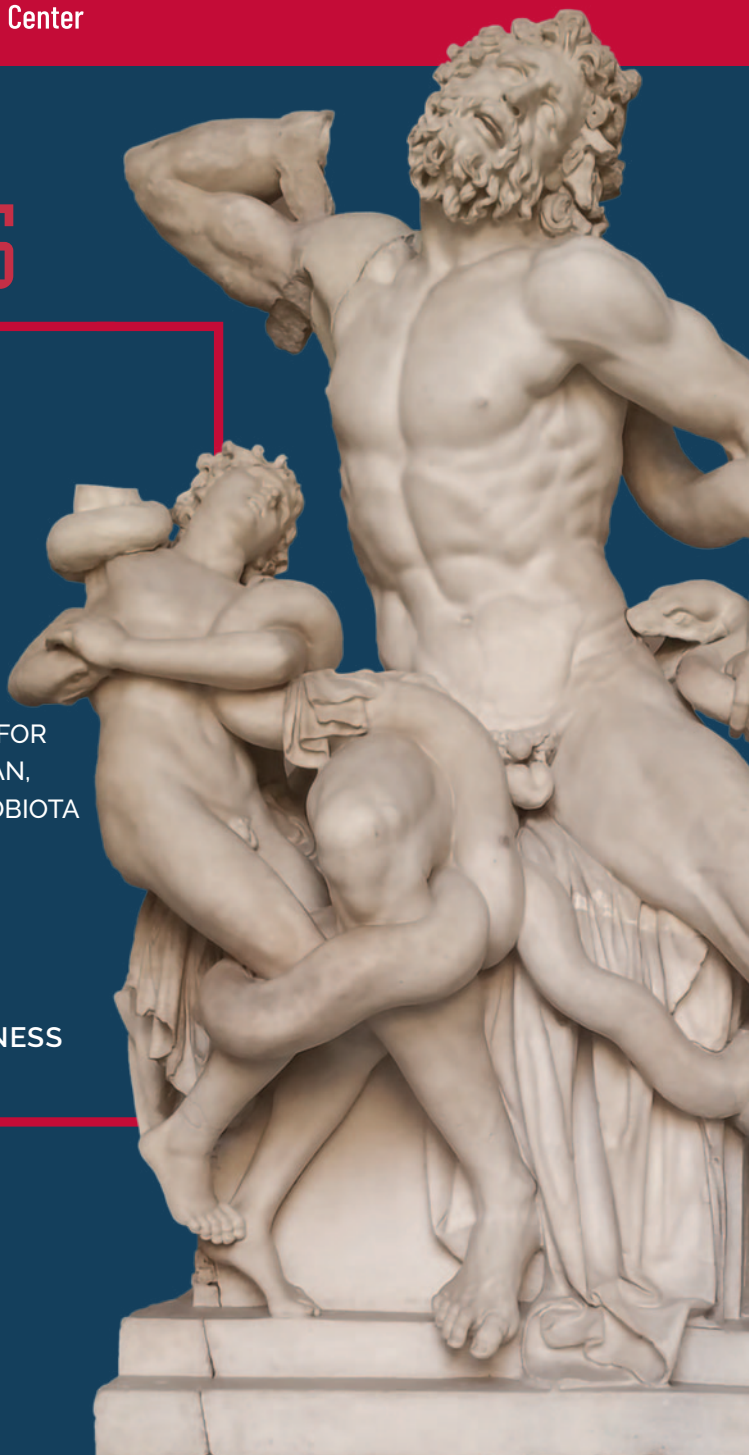
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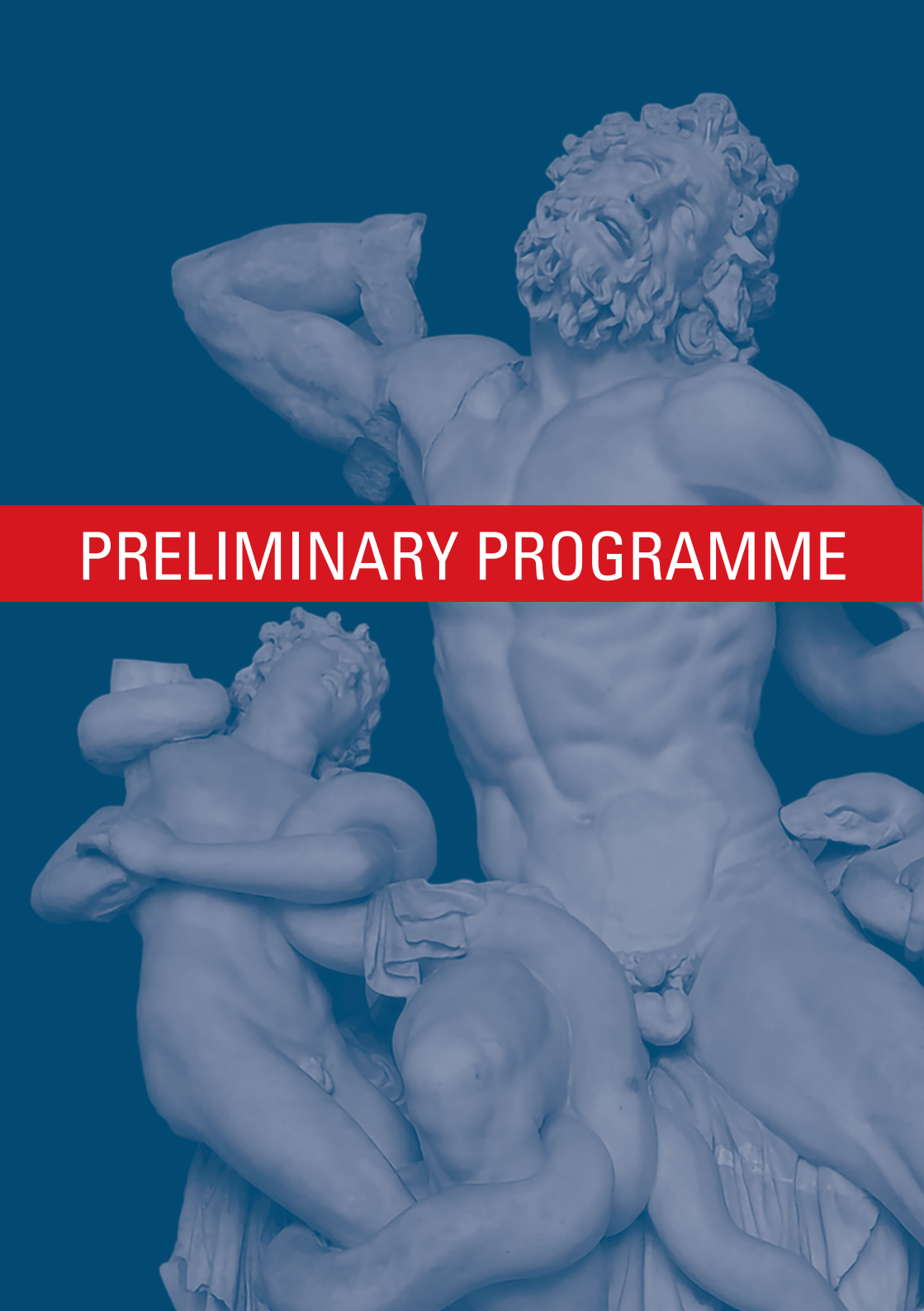
PROBIOTICS,
PREBIOTICS
& NEW FOODS

NUTRACEUTICALS,
BOTANICALS &
PHYTOCHEMICALS FOR
NUTRITION & HUMAN,
ANIMAL AND MICROBIOTA
HEALTH

4TH

SCIENCE & BUSINESS
SYMPOSIUM





PRELIMINARY PROGRAMME

Sunday, September 14

PLENARY

14.30 - 14.40 **WELCOME ADDRESS**
L. Capurso (Italy)

14.40 - 16.00 **OPEN DISCUSSION**

Fake news in medicine

Chair: A. Gasbarrini (Italy)

Moderator: M. Koch (Italy)

"The Scientist" A. Fasano (USA), *"The Journalist"* M. Barberi (Italy)

16.00 - 17.00 **REGULATORY LECTURES**

Chair: F. Visioli (Italy)

Regulatory environment for probiotics and prebiotics in foods and food Supplements in Europe and internationally

D. Pineda Ereño (Belgium)

From Promise to Practice: Navigating the Regulatory Landscape for Microbiome-Based Innovations in Europe

C. Druart (Belgium)

Shaping the future of probiotics in Europe: clear definitions, consumer trust, and market competitiveness

R. Pecere (Belgium)

17.00 - 18.00 **LECTURES**

Chair: V. Fogliano (The Netherlands)

Best papers on Probiotics

F. Guarner Aguilar (Spain)

The effects of enteric pathogens on the human gut microbiota

E. Ghelardi (Italy)

Sunday, September 14

PLENARY

Dysbiosis and pregnancy outcome

M. Rescigno (Italy)

TBD

D. Cavalieri (Italy)

The microbiome in personalized medicine

M. Koch (Italy)

18.00 - 19.00

ORAL COMMUNICATION

Chair: M. Marignani (Italy)

Sunday, September 14

AULA ÉLIE METCHNIHOFF

10.00 - 11.30

SESSION 1

THE MICROBIOME AND CANCER

Chairs: G. Capurso (Italy), P. Nisticò (Italy)

Microbiome and pancreatic inflammation and cancer, chicken or egg?
A. Neesse (Germany)

The gut microbiome as a tool for personalized approach to colorectal cancer
F. Facciotti (Italy)

The microbiome and cancer immunotherapy
G. Tortora (Italy)

11.30 - 12.00

LECTURE

Chair: G. Capurso (Italy)

FMT to enhance efficacy of immune checkpoint inhibitors
G. Ianiro (Italy)

12.00 - 13.00

SESSION 2

ON BEHALF OF MTCC "MD AND GUT MICROBIOTA"

Chair: P.G. Natali (Italy)

The Mediterranean Diet: origin, benefits, and reappraisal in the "real world"
A. Saggioro (Italy)

Advances in biofortified functional foods to comply globally with the Mediterranean diet: tomato as an exploratory candidate
P.G. Natali (Italy)

Sunday, September 14

AULA ÉLIE METCHNIHOFF

13.00 - 13.30

LECTURE

NO ECM

Black Queen hypothesis and probiotic innovation:
the case of *Limosilactobacillus reuteri*
G. Grompone (Sweden)

13.30 - 14.30

LUNCH

15.00 - 16.30

SESSION 3

MICROBIOTA AND GUT-BRAIN AXIS

Chair: G. Barbara (Italy)

State of the Art
G. Barbara (Italy)

Gut microbiota and Parkinson's disease
G. Koch (Italy)

Multimomics approaches for integrated microbiome profiling of ASD
L. Putignani (Italy)

16.30 - 17.30

LECTURES

Chair: P. Brigidi (Italy)

Gut microbiota and hunger
A. Fasano (USA)

Gut microbiota and sepsis: pathogenesis and therapeutic options
F. Franceschi (Italy)

Gut microbiota metabolic syndrome and DT2
M. Federici (Italy)

Sunday, September 14

AULA ÉLIE METCHNIHOFF

17.30 - 19.30

SESSION 4

PRECISION NUTRITION AND PROBIOTICS

Chair: Y. Sanz (Spain)

Progress in the design of precision fibers for our gut microbes
F. Vilaplana Domingo (France)

Personalized nutrition for cardiometabolic health/diabetes
F. Asnicar (Italy)

Precise dietary advice for IBD
M.S. Desai (Luxembourg)

Precision probiotics
P. Veiga (France)

Sunday, September 14

AULA A

09.00 - 11.30

LECTURES

Chairs: G. Gasbarrini (Italy), F. Visioli (Italy)

New foods for healthy aging

F. Visioli (Italy)

The association between dietary fiber intake and gastric cancer

G. Collatuzzo (Italy)

The true driver of food functionality: the Matrix as a key determinant of food's health effect

I. Gandolfi (Italy)

Healthy diet and gut microbiota

F. Fontaine (France)

Phytonutrients and gut microbiota

A. Pon Velayutham (USA)

Chair: G. Spera

Microbiome mapping in dairy industry

D. Ercolini (Italy)

Genomics and molecular biology of bacteriophages infecting lactic acid bacteria

D. Van Sinderen (Ireland)

Pharmacomicrobiomics as a new strategy for precision medicine: the case of classical immunosuppressant drugs

M. Cataldi (Italy)

Sunday, September 14

AULA A

11.30 - 13.00

SESSION 5

NEW ACQUISITIONS ON THE KNOWLEDGE OF THE MICROBIOTA IN THE VETERINARY FIELD

Chair: R. Marabelli (Italy)

Moderator: A. Gramenzi (Italy)

New understanding of the pathophysiology of chronic enteropathies and dysbiosis

J. Suchodolski (USA)

Microbiota-targeted Interventions for modulation of canine and feline intestinal microbiota

C.G. Vecchiato (Italy)

13.30 - 14.30

LUNCH

14.30 - 16.30

SESSION 6

INFLUENCE OF POLYPHENOLS AND BIOACTIVE MOLECULES ON GUT AND HEALTH

Chairs: P. Lavermicocca (Italy), M. Ferruzzi (USA)

Polyphenol chemistry and interactions in foods

N.Bordenave (France)

Main results from the Project "IDENTITÀ- mEDiterranea Integrated network for the observation and elaboration of personalized nutrition pathways against malnutrition"

A. Cardinali (Italy)

Gut microbiota and diet: how dietary choices shape microbiota composition and function

F. Prinelli (Italy)

Sunday, September 14

AULA A

Relationships between habitual polyphenol consumption and gut microbiota in the INCLD health cohort

T. L. Weir (USA)

Polyphenol bioavailability from farm to table to health

D. Cladis (USA)

16.30 - 18.30

LECTURES

Chair: G. Corazziari (Italy)

Gut guardians: How probiotics strengthen the intestinal barrier

A. Ouwehand (Finland)

Gut microbiome testing in clinical practice: recommendations from an international consensus initiative

G. Ianaro (Italy)

Evaluation of multiomics workflows in diagnostic pipelines for microbiome profiling

L. Putignani (Italy)

DynaMAP – Precision metagenomics beyond sequencing

A. Bouwens (Belgium)

Sport, gut microbiota and probiotics

S. Miglaccio (Italy)

Monday, September 15

PLENARY

09.30 - 11.00

SESSION 7

THE MICROBIAL DARK MATTER OF THE HUMAN GUT MICROBIOME

Chair: M. Ventura (Italy)

Finding 'Missing' human gut microbes in the Amazon

E. Allen-Vercoe (Canada)

Beyond the usual suspects: is there a role for understudied microorganisms in infant microbiota development?

M. Gueimonde (Spain)

Food as a source of the microbial dark matter in the human gut microbiome

P. Cotter (Ireland)

Deciphering the microbial dark matter of the human gut through Parma microbiota project

L. Mancabelli (Italy)

11.00 - 12.00

SESSION 8

THE MICROBIOME AND ONE HEALTH

Chairs: M. Candela (Italy), S. Turrone (Italy)

Infective competence in the context of One Health

P. Wilmes (Luxembourg)

The role of the gut microbiota in autoimmune diseases

M. Falcone (Italy)

A microbiome restoration attempt using a non-industrialized type diet and a lost microbe

J. Walter (Ireland)

Monday, September 15

PLENARY

12.00 - 13.00

LECTURES

Chair: P. Brigidi (Italy)

SER-109 in recurrent *Clostridioides Difficile* infection

M. Wilcox (UK)

New patented probiotic *L. reuteri* LMG P-27481 from selection to strain-specific activities and applications

L. Morelli (Italy)

13.30 - 14.30

LUNCH

14.30 - 16.30

SESSION 9

WOMEN'S HEALTH

Chair: G. Clarke (Ireland)

The impact of the gut microbiome during the first 1000 days of life to shape the clinical future of the host

A. Fasano (USA)

The gut microbiome: a new therapeutic target for endometriosis?

S. O'Mahony (Ireland)

Sex differences in irritable bowel syndrome

M. Waluga (Poland)

The gut microbiome and aggression

O. Koren (Israel)

16.30 - 19.30

ORAL COMMUNICATION

Chair: F. Ferrario (Italy)

Monday, September 15

AULA ÉLIE METCHNIHOFF

09.00 - 10.30

SESSION 10

Next Generation Biotics - The human evidence & mechanisms

Chair: W. De Vos (The Netherlands)

The *Faecalibacterium prazunitzii* trip: From identification to evaluation in human

P. Langella (France)

Pasteurized *Akkermansia muciniphila*: From metabolic health to weight maintenance

A. Segers (The Netherlands)

Intrinsic fibers of dried chicory root: From transit to distal colonic delivery and adipocyte function

W. De Vos (The Netherlands)

10.30 - 11.50

LECTURES

Chair: M. Guarino (Italy)

Gut microbiota and liver diseases

F.R. Ponziani (Italy)

Gut dysbiosis and thrombosis

A. Papa (Italy)

Postbiotics as a new frontier in healthcare

G. Penna (Italy)

An overview of the microbiota of the human urinary tract in health and disease

L. Santacroce (Italy)

Monday, September 15

AULA ÉLIE METCHNIHOFF

11.50 - 13.00

SESSION 11

GUT MICROBIOTA IN IBD: THE KEY ACTOR TOWARDS PERSONALIZED CLINICAL APPROACHES

Chair: M. Vecchi (Italy)

Moderators: L. Lopetuso (Italy), F. Scaldaferri (Italy)

Shaping of mucosal T cell functions through microbiome modulation in IBD patients

F. Facciotti (Italy)

Gut microbiota in IBD: clinical and therapeutic implications

H. Tilg (Austria)

Microbial therapeutical modulators in IBD: what is ready to be adopted?

G. Marasco (Italy)

Microbiota-based nutritional strategies in IBD

S. Deleu (Belgium)

13.30 - 14.30

LUNCH

14.30 - 16.30

LECTURES

Chair: F. Scaldaferri (Italy)

Probiotics in allergic disease

A. Fiocchi (Italy)

Ultraprocessed foods and childhood allergies: an emerging connection

C. Indolfi (Italy), M. Miraglia del Giudice (Italy)

Gut-retina axis

C. Tamburelli (Italy)

Probiotics in dentistry

P. Simeone (Italy)

New eco-friendly cosmetic ingredients based on probiotic bacteria

A. Németh (Hungary)

Monday, September 15

AULA A

09.00 - 10.30

SESSION 12

INTESTINAL PERMEABILITY AND ENDOTHELIAL AND ITS MODULATION THROUGH PROBIOTICS

Chair: S. Guglielmetti (Italy)

TBD

Federica Facciotti (Italy)

Probiotics and intestinal barriers in disorders of gut-brain interaction

Maria Raffaella Barbaro (Italy)

The athletic microbiome and intestinal permeability: implications for performance and health

Silvia Barbaresi (Italy)

10.30 - 13.00

SESSION 13

IMPLEMENTATION OF THE USE OF PROBIOTICS IN CHILDREN: THE ROLE OF DATA ANALYSES AND RECOMMENDATIONS. THE ROLE OF ESPGHAN IN IMPLEMENTING THE USE OF FUNCTIONAL NUTRITION IN CHILDREN BASED ON EVIDENCE

Chair: A. Guarino (Italy)

From evidence to the evidence: analyses of randomized controlled trials to produce reliable recommendations

H. Szajewska (Poland)

Recommendations, position papers and guidelines at national, continental and worldwide levels: similarities, differences and barriers toward implementation

Y. Vandenplas (Belgium)

Deciphering the mechanisms of action of the probiotics

R. Berni Canani (Italy)

Linking microbes and nutrition with clinical outcomes

E. Dinleyici (Turkey)

Monday, September 15

AULA A

LECTURES

Unlock early life gut health with human-residential Bifidobacteria (HRB) Probiotics
TBD

13.30 - 14.30

LUNCH

14.30 - 15.30

VIS À VIS

BEYOND BACTERIA: THE FUTURE OF THE FEMALE MICROBIOME

Integrating microbiome and food science into tomorrow's personalized health strategies

F. Vicariotto (Italy), S. Soligon (Italy)

Tuesday, September 16

PLENARY

08.30 - 10.00 **ORAL COMMUNICATION**

Chair: P. Fracasso (Italy)

10.00 - 11.30 **SESSION 14**

FOOD DESIGN AND HEALTHCLINICAL APPROACHES

Chair: V. Fogliano (The Netherlands)

Gut volatilomics: opportunities in research and diagnostics

A. Dell'Olio (The Netherlands)

Metabolization of the dietary AGEs by probiotic and gut bacteria

M. Hellwig (Germany)

Microbial consortia to elucidate butyrate production pathways from chicory fibre

A.M. Puhlmann (Denmark)

The role of eating rate and energy density on ad libitum calorie intake

C. Forde (The Netherlands)

11.30 - 12.30 **LECTURES**

Chair: V. Fogliano (The Netherlands)

TBD

W. Zhang (Australia)

Unripe banana flour: An underutilized ingredient rich in dietary fiber and antioxidants, with great potential to improve intestinal health and to develop functional foods

F. Barros (Brazil)

AULA ÉLIE METCHNIHOFF

Tuesday, September 16

AULA A

09.00 - 10.00

SESSION 15

Gut microbiota in gastro-rheumatology diseases

Chair: R. Pica (Italy)

Gut microbiota and non IBD-colitis

A. Tursi (Italy)

Gut microbiota and rheumatology diseases

A. Picchianti Diamanti (Italy)