

FILE UNICO

NOME E ID PROVIDER:	PLANNING CONGRESSI SRL – 38
ID ECM:	38-
TIPO DI FORMAZIONE:	RESIDENZIALE
TITOLO EVENTO:	THE GUT BARRIER 2026: the novel frontier in digestive and extra-digestive diseases
SEDE E DATA:	Camera di Commercio Toscana Nord-Ovest M.A.C.C., Piazza Vittorio Emanuele II 5, 56125 Pisa Pisa 9-10 luglio 2026
DURATA FORMATIVA:	8
NUMERO CREDITI:	
OBIETTIVO FORMATIVO:	Documentazione Clinica Percorsi clinico-assistenziali diagnostici e riabilitativi, profili di assistenza - profili di cura
AREA FORMATIVA (acquisizione competenze processo:	Through four focused sessions, the meeting will highlight cutting-edge discoveries and emerging technologies with direct relevance for industry, fostering dialogue on translational pathways, clinical validation, and future collaborations aimed at accelerating innovation and improving patient outcomes.
N. PARTECIPANTI:	150
DESTINATARI (Professione):	Medico chirurgo, biologo, farmacista
DESTINATARI (Disciplina):	Gastroenterologia, biologia, farmacologia e tossicologia clinica, farmacisti
RESP. SCIENTIFICO:	Prof. Carmelo Scarpignato

RAZIONALE

The intestinal barrier—comprising the mucus layer, the epithelial barrier, and the gut vascular and lymphatic barrier—has emerged as a critical determinant of health and disease. By regulating nutrient absorption and protecting against microbial translocation, the gut barrier represents a key interface between the host, the intestinal microbiota, and the immune and enteric nervous systems.

Growing evidence links intestinal barrier dysfunction to a broad spectrum of digestive and extra-digestive disorders, including inflammatory bowel diseases, irritable bowel syndrome, metabolic conditions, and neurological and neuropsychiatric diseases. These insights are opening new opportunities for the development of innovative diagnostics, biomarkers, therapeutics, and personalized interventions targeting the gut barrier.

The **2nd Edition of *The Gut Barrier: A Novel Frontier in Digestive and Extra-Digestive Diseases*** brings together leading experts from basic, translational, and clinical research. Through four focused sessions, the meeting will highlight cutting-edge discoveries and emerging technologies with direct relevance for industry, fostering dialogue on translational pathways, clinical validation, and future collaborations aimed at accelerating innovation and improving patient outcomes.

DAY 1 9 LUGLIO 2026

13:00-13:30 Registration of Participants

13:30-14:00 Welcome Address, introduction to "Gut barrier: the novel frontier in digestive and extra digestive diseases" 2nd Edition

Opening lecture: 14:00-14:30

Chaired by: Carmelo Scarpignato (*Msida, Malta*)

Leaky gut, leaky brain? **Giovanni Barbara** (*Bologna, Italy*)

Session 1 Gut Barrier: Advances in Its Role in Physiology and Pathology

Chairpersons: Maria Cecilia Giron (*Padava, Italy*), Natalie Vergnolle (*Toulouse, France*)

14:30-15:00 How leaky is the gut in Parkinson's disease?

Carolina Pellegrini (*Pisa, Italy*)

15:00-15:30 Disrupted mucosal vascular barrier in eosinophilic esophagitis

Edoardo Vincenzo Savarino (*Padova, Italy*)

15:30-16:00 Intestinal barrier at the crossroads between IBS and vulvodynia

Elena Lucarini (*Firenze, Italy*)

16:00-16:30 *Coffee break*

Keynote lecture 16:30-17:00

Chaired by: Raffaella Barbaro (*Bologna, Italy*)

Gut-on-a-chip platforms bridging *in vitro* and *in vivo* models for advanced gut (-organs axis) research

Nathalie Vergnolle (*Toulouse, France*)

Session 2 Methodology to Study the Leaky Gut

Chairpersons: Vincenzo Calderone (*Pisa, Italy*), Lorenzo di Cesare Mannelli (*Firenze, Italy*)

17:00-17:30 Assessing epithelial and vascular integrity and permeability

Maria Raffaella Barbaro (*Bologna, Italy*)

17:30-18:00 Multiomics approaches for gut barrier

Simone Guglielmentti (*Milano, Italy*)

18:00-18:30 Assessing gut microbiota-intestinal barrier interplay
Gianluca Ianiro (*Roma, Italy*)

18:30-18:45 Concluding remarks day 1

DAY 2 10 LUGLIO 2026

Keynote lecture: 9:15-10:00

Chaired by: Nunzia Bernardini (*Pisa, Italy*)
Gut lymphatic barrier: functions and disease implications
Maria Rescigno (*Milano, Italy*)

Session 1 Gut barrier and therapeutical interventions

Chairpersons: Carla Ghelardini (*Firenze, Italy*), Luca Antonioli (*Pisa, Italy*)

10:00-10:30 Gut microbiota in Pancreatic Diseases
Gabriele Capurso (*Milano, Italy*)

10:30-11:00 Gut microbiota modulation in IBD: from the old Paradigm to revolutionary tools
Loris Ricardo Lopetuso (*Roma, Italy*)

11:00-11:30 Gut microbiota biofilms: from regulatory mechanisms to therapeutic targets
Gianfranco Donelli (*Rome, Italy*)

11:30-12:00 *Coffee break*

Session 2: Gut barrier and clinical implications

Chairpersons: Massimo Bellini (*Pisa, Italy*), Simone Guglielmetti (*Milano, Italy*)

12:00-12:30 Microbiota and prebiotics, probiotics and postbiotics for the protection of gut barrier
Patrizia Brigidi (*Bologna, Italy*)

12:30-13:00 Opening the doors of precision medicine: novel tools to assess intestinal barrier in inflammatory bowel disease and colitis-associated neoplasia
Antonio Di Sabatino (*Pavia, Italy*)

13:00-13:30 Drugs and Gut Microbiota: Interactions and Clinical Consequences
Carmelo Scarpignato (*Msida, Malta*)

13:30-14:00 Concluding remarks

14:00-14:30 Lunch

ELENCO RELATORI E MODERATORI

Cognome	Nome	Ente	Ruolo Ente	Professione	Disciplina
Antonoli	Luca	University of Pisa	Professore	Farmacista	Farmacologia e tossicologia clinica
Barbara	Giovanni	Università di Bologna - IRCCS Sant'Orsola	Professor	Medico chirurgo	Gastroenterologia
Barbaro	Maria Raffaella	Università di Bologna	Professoressa associata	Biologo	Biologo
Bellini	Massimo	Università di Pisa	Dirigente Medico	Medico chirurgo	Gastroenterologia
Bernardini	Nunzia	Università di Pisa	Dirigente Medico	Medico chirurgo	Neurofisiopatologia
Brigidi	Patrizia	Università di Bologna	Professoressa ORDINARIA	Farmacista	Farmacista pubblico del SSN
Calderone	Vincenzo	Università di Pisa	Dirigente Medico	Farmacista	Farmacologia e tossicologia clinica
Capurso	Gabriele	IRCCS Ospedale San Raffaele	Dirigente Medico	Medico chirurgo	Gastroenterologia
Castagnetti	Andrea	Wellmicro Bologna	General Manager	Diploma	Diploma
Colucci	Rocchina	Università di Padova	Professoressa associata	Medico chirurgo	Farmacologia e tossicologia clinica
Di Cesare Mannelli	Lorenzo	Università di Firenze	Ricercatore	Farmacista	Farmacista di altro settore
Di Sabatino	Antonio	Policlinico San Matteo Milano	Dirigente Medico	Medico chirurgo	Gastroenterologia
Giron	Maria Cecilia	University of Padova	Dirigente Medico	Farmacista	Farmacista pubblico del SSN
Guglielmetti	Simone	University of Milano-Bicocca, Milan	Professore	Medico chirurgo	Microbiologia
Ianiro	Gianluca	Università Cattolica di Roma	Dirigente Medico	Medico chirurgo	Gastroenterologia
Lucarini	Elena	Università di Firenze, Dipartimento Neurofarba	Ricercatrice	Farmacista	Farmacista di altro settore
Metrangolo	Salvatore	Poliambulatorio S.Giuseppe - Pontedera	Dirigente Medico	Medico chirurgo	Gastroenterologia
Pellegrini	Carolina	Università di Pisa	Professoressa associata	Farmacista	Farmacologia e tossicologia clinica
Portincasa	Piero	Policlinico di Bari	Dirigente Medico	Medico chirurgo	Gastroenterologia
Rescigno	Maria	Hunimed Milano	Dirigente Medico	Biologo	Biologo
Savarino	Edoardo Vincenzo	Azienda Ospedaliera Università di Padova	Professore Associato	Medico chirurgo	Gastroenterologia
Scaglione	Silvia	CNR Genova	Ricercatrice	Ingegnere	Biomedical Engineering
Scarpignato	Carmelo	Libero professionista Malta	Libero professionista	Medico chirurgo	Gastroenterologia
Vergnolle	Nathalie	IRSD - INSTITUT DE RECHERCHE EN SANTÉ DIGESTIVE Toulouse	Ricercatrice	Medico chirurgo	Gastroenterologia
Vetrano	Stefania	Humanitas Research Milano	Dirigente Medico	Medico chirurgo	Patologia clinica



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