

**56TH ANNUAL
SCIENTIFIC MEETING**
8-10 JUNE 2022
BARI, ITALY

Promoting Biomedical Research,
Equal Health and Environment in the
post-COVID Syndemic Era



Symposium 1 | *The gut-liver-body axis & lifestyles: lessons from frontline biomedical research*

Organizer: Piero Portincasa (Bari, Italy)

Day: Wednesday June 8, Thursday June 9, Friday 10 June

v.25 (26-05-2022)

Wednesday June 8

14.00-16.00	Session 1: Fat accumulation and metabolic unbalance
	Chair: Piero Portincasa (Bari, Italy), Fabrizio Montecucco (Genoa, Italy)
14.00	The role of cannabinoids in atherogenesis Fabrizio Montecucco (Genova, Italy)
14.20	Cellular models of Metabolic Associated Liver-Gut Disorders: Beneficial Effects of polyphenols from <i>Thymbra Spicata</i> Mohamad Khalil (Bari, Italy, Beirut, Lebanon)
14.40	Exploring metabolic disorders using a novel integrated approach to decipher the molecular alterations in hepatic and adipose cells Laura Vergani (Genova, Italy)
15.00	End
	SHORT PRESENTATIONS (10 min)
	Chair: Giuseppe Calamita (Bari, Italy), Leonilde Bonfrate (Bari, Italy)
15.05	56ASM-0314 Lymphocyte Subsets as a Predictor of Severity and Mortality in COVID-19 Patients Cinzia Appice (Bari, Italy)
15.15	56ASM-0046 Lipid Lowering and Antioxidant Effects of an Ethanolic Extract from <i>Sarcopoterium spinosum</i> fruits on Steatotic hepatocytes Zbeeb Hawraa (Genova, Italy)
15.25	56ASM-0057 A standardized in vitro digestion of <i>Thymbra spicata</i> L. aerial parts modulate the antiproliferative capacity of the extracts Diab Farah (Genova, Italy)
15.35	56ASM-0097 Pentose phosphate pathway utilization of gluconeogenic glucose-6-phosphate is increased in mice fed a high fat/high fructose diet compared to high fructose diet alone Getachew Debas Belew (Coimbra, Portugal)
15.45	56ASM-0292 A real-life survey in symptomatic COVID-19 patients taking medicinal herbs. Emerging role for Za'atar on the background of complementary and alternative medicine Mohamad Khalil (Bari, Italy)
16.00	End
16.00-16.30	Coffee Break
16.30-18.00	Session 2: Clues for primary and secondary prevention of noncommunicable diseases
	Chair: Paula Macedo (Lisbon, Portugal), Riccardo Polosa (Catania, Italy)
16.30	Aquaporin-9: a drug target for NAFLD? Giuseppe Calamita (Bari, Italy)
16.50	Insights on NAFLD and Diabetes entanglements. Paula Macedo (Lisbon, Portugal)
17.10	Accelerating healthy lifestyles: the case for Tobacco Harm Reduction Riccardo Polosa (Catania, Italy)
17.30	Breath biopsy for colorectal cancer screening: from the bench to the bedside Donato Altomare, Arcangelo Picciareello (Bari, Italy)
18.00	End

Thursday June 9

08.30-10.30	Session 3: Prevention treatment of metabolic diseases: translational studies
	Chair: Javier Gomez-Ambrosi (Pamplona, Spain), Agostino Di Ciaula (Bari, Italy)
08.30	Brown adipose tissue: Does it protect against the development of diabetes? Javier Gomez-Ambrosi (Pamplona, Spain)
08.50	Early alteration of liver function linked with liver stiffness and steatosis but not with fibrosis. Agostino Di Ciaula (Bari, Italy)
09.10	Reduced hepatic phospholipid (PL) output dramatically promotes the formation of cholesterol (Ch) gallstones in mice Helen Wang (New York, USA)
09.30	End
	SHORT PRESENTATIONS (10 min)
09.40	56ASM-0303 Mediterranean Diet in Developmental Age: Current Evidence and Research Gaps Ilaria Farella (Bari, Italy)
09.50	Clinical Association Between Visceral Fat and Risk of Type 2 Diabetes Ilaria Galerati (Bari, Italy)
10.00	The Relationship Between Anxiety and Depression in Metabolic-Dysfunction-Associated Fatty Liver Disease and Associated Cardiovascular Outcomes Abdulrahman Ismaiel (Cluj-Napoca, Romania)
10.10	Gender differences of psychological and metabolic effects post COVID-19 strict social distancing measures Leonilde Bonfrate (Bari, Italy)
10.30	End
10.30-11.00	Coffee break
11.00-12.00	Session 4: From research to clinical practice: clues for a longer healthspan
	Chair: Piero Portincasa (Bari, Italy), Angelo Vacca (Bari, Italy)
11.00	Novel therapies in diabetes mellitus 2022 Francesco Giorgino (Bari, Italy)
11.20	Different Variations of Intra-Familial Body Mass Index Subjected to COVID-19 Lockdown Maria Felicia Faienza (Bari, Italy)
	SHORT PRESENTATIONS (10 min)
11.40	Post- (Long)- Covid: The Burden in Internal Medicine. A never-ending story Antonino Noto (Bari, Italy)
12.00	End
12.00-14.00	Lunch
14.00-16.00	Session 5: Functional and metabolic diseases
	Chair: Dan Dumitrascu (Cluj-Napoca, Romania), Mauro D'Amato (Bari, Italy)
14.00	Gastrointestinal diseases and gender Leonilde Bonfrate (Bari, Italy)
14.20	Dietary recommendation in IBS: from empiricism to evidence Dan Dumitrascu (Cluj-Napoca, Romania)
14.40	Sucrase isomaltase variants and their role in irritable bowel syndrome Mauro D'Amato (Bari, Italy)
15.00	End
	SHORT PRESENTATIONS (10 min)
15.05	Neurometabolic changes in the hippocampus of type 2 diabetic rats: an imaging perspective towards clinical applications Beatriz Caramelo (Portugal)
15.15	Exposure to obesogenic environments during perinatal development modulates offspring nutrient-sensing pathways in adipose tissue Diana Sousa (Portugal)
15.25	Relationship between liver stiffness and steatosis: in vitro and in vivo studies Francesca Baldini (Italy)
15.35	Neurometabolic and behavioural alterations in the adolescent offspring upon maternal glycation Andreia Amaro (Italy)
15.45	Potential of C6a Valley (Portugal) plants' extracts in cell model for hepatic lipid toxicity Carla Varela (Portugal)
15.55	End
16.00-16.30	Coffee Break
	Session 6: Focus on gut-liver-gallbladder axis
	Chair: Gyorgy Baffy (Boston, USA), Alfredo Di Leo (Bari, Italy)
16.30	Novel insight into the role of gut microbiota in the pathogenesis of cholesterol gallstone disease David Q.-H Wang (New York, USA)
16.50	The role of protective genetic variants in the pathogenesis of chronic liver diseases Marcin Krawczyk (Homburg, Germany)
17.10	Host-microbiota interplay and sinusoidal Vaso regulation in NAFLD Gyorgy Baffy (Boston, USA)
17.30	End

SHORT PRESENTATIONS (10 min)	
17.30	56ASM-0276 Small intestine derived extracellular vesicle mediators in the gut-liver axis crosstalk Rita Machado de Oliveira (Lisbon, Portugal)
17.40	56ASM-0290 Monitoring palatability and gastrointestinal symptoms after acute and long-term consumption of four types of gluten-free pasta in healthy subjects Ilaria Farella (Bari, Italy)
17.50	Beneficial Effects of Carvacrol on In Vitro Models of Metabolically-Associated Liver Steatosis and Endothelial Dysfunction: A Role for Fatty Acids in Interfering with Carvacrol Binding to Serum Albumin Nadia Serale (Bari, Genova, Italy)
18.00	End

Common Poster Session	
	56ASM-0007 Wine polyphenol resveratrol and non-alcoholic fatty liver disease - what do we know so far? Gostimirović Miloš (Serbia)
	56ASM-0301 The Role of Quantitative Ultrasonography as Tool to Monitor the Characteristic Visceral Fat Accumulation in Psychiatric Patients on Ptypical Pntipsychotic. Ilaria Farella (Bari, Italy)
	Sedentary lifestyle habits predispose to higher risk of NAFLD: A Foie Gras study Harshitha Shanmugam (Bari, Italy)
	Beneficial effects of a novel nutraceutical in the improvement of gastrointestinal symptoms and habits in subject with irritable bowel syndrome: a pilot study Adriana Di Bisceglie (Italy)
	Diabetes Mellitus and the Gastrointestinal Tract: a deeper embrace Leonilde Bonfrate (Bari, Italy)
	Prevalence of in-hospital infections and antimicrobial resistance in an internal medicine ward. A prospective study Marica Diaferia (Bari, Italy)

Friday June 10

08.30-10.30	Session 7: Basic and translational research
	Chair: Piero Portincasa (Bari, Italy), Luca Frulloni (Verona, Italy)
08.30	Neutrophils in acute inflammation Markus Sperandio (Munich, Germany)
08.50	Intestinal neuroinflammation Roberto De Giorgio (Ferrara, Italy)
09.10	Clinical criteria for IBS Giovanni Barbara (Bologna, Italy)
09.30	Cellular therapies in gastroenterology Rachele Ciccocioppo (Verona, Italy)
09.50	Therapeutic targeting in IBD Antonio Di Sabatino (Pavia, Italy)
10.10	The involvement of gastrointestinal signals in regulating white adipose tissue function Paulo Matafome (Coimbra, Portugal)
10.30	End
10.30-11.00	Coffee Break
11.00-12.00	Session 8: Diet, lifestyle, and diseases
	Chair: Agostino Di Ciaula (Bari, Italy), Paulo Matafome (Coimbra, Portugal)
11.00	Mediterranean Diet: Food for Changing the NAFLD world Harshitha Shanmugam (Bari, Italy)
11.20-12.00	SHORT PRESENTATIONS (10 min)
11.20	56ASM-0272 Mediterranean diet adherence and metabolic syndrome in Lebanese population: A real-time survey study Hala Abdallah (Bari, Italy)
11.30	Effects of temporary sacral nerve stimulation on gastrointestinal motility and function in patients with chronic refractory slow transit constipation Marcella Rinaldi (Bari, Italy)
11.40	Exclusion Diets in Functional Dyspepsia (FD) Stefan Lucian Popa (Cluj-Napoca)
11.50	Systematically reviewing the effects of probiotics on Psychosocial Stress Paola Vitellio (Lecce, Italy)
12.00-14.00	Lunch

Common Poster Session	
	56ASM-0075 PREVALENCE OF DISEASES OF THE DIGESTIVE SYSTEM IN THE CHILD POPULATION OF THE REPUBLIC OF TATARSTAN Goga Maludze (Russia C.I.S.)
	56ASM-0121 Gender peculiarities of adaptation of the cardiovascular system of adolescents to stress Elizaveta Kuznetsova (Russia C.I.S.)
	56ASM-0142 ENTRY OF NITRATES AND ARSENIC WITH FOODS AS A RISK FACTOR OF DEVELOPING CARDIOVASCULAR DISEASES IN RESIDENTS OF TATARSTAN Elizaveta Kuznetsova (Russia C.I.S.)
	56ASM-0168 The role of free fatty acid receptors in the effects of short chain fatty acids on mouse colonic contractility Anna Detterer (Russia C.I.S.)
	56ASM-0220 Profiling Short-Chain Fatty Acids (SCFA) producing microbiota in ulcerative colitis Regina Miftakhova (Russia C.I.S.)