

MONDAY JUNE 24TH**E-Poster Session****16:30 – 17:00**Chair: : Ruggiero Francavilla, *Italy***Poster Area 1****Topic 4: MICROBIOTA & DISEASES**

11 e-poster

Chair: : Alfredo Guarino, *Italy***Poster Area 2****Topic 4: MICROBIOTA & DISEASES**

11 e-poster

Chair: Carla Fiorentini, *Italy***Poster Area 3****Topic 4: MICROBIOTA & DISEASES**

10 e-poster

Chair: Livia Emma, *Italy***Poster Area 4****Topic 4: MICROBIOTA & DISEASES**

10 e-poster

Chair: Ruggiero Francavilla, *Italy*

Topic 4: MICROBIOTA & DISEASES

- 292** THE ORAL-PLACENTAL AXIS IN PRETERM BIRTH
Marwa Saadaoui, *Tunisia*
- 296** ADDITIVE AND CARRYOVER DRUG EFFECTS ON THE GUT MICROBIOME IN THE ESTONIAN MICROBIOME COHORT
Elin Org, *Estonia*
- 297** DETERMINATION OF ANTIBIOTIC SUSCEPTABILITY OF LACTIC ACID BACTERIA ISOLATED FROM HUMAN BREAST MILK AND INFANT FECES
Iliyana Rasheva, *Bulgaria*
- 298** THE GUT VIROME IN PRODROMAL PARKINSON DISEASE
Natalia Palacios, *USA*
- 299** GUT MICROBIOME MULTI-OMICS IN THE STUDY OF LATINOS- INVESTIGATION OF NEUROCOGNITIVE AGING
Natalia Palacios, *USA*
- 302** RIFAXIMIN TREATMENT LINKS GUT MICROBIOME WITH NEUROINFLAMMATION AND LEARNING IN LIVER-DAMAGED RATS
Lola Giner-Pérez, *Spain*
- 306** IDENTIFICATION OF ORAL BACTERIA SPECIFIC TO IGA NEPHROPATHY PATIENTS BY PERFORMING DEEP SHOTGUN METAGENOMIC ANALYSIS OF SALIVA
Sho Hamaguchi, *Japan*
- 307** CHOLESTEROL-LOWERING EFFECT OF LACTOCOCCUS LACTIS JJLC-140 AND 167 AND THEIR INFLUENCES ON THE GUT MICROBIOME IN MICE
Ju-Hoon Lee, *South Korea*
- 309** LACTOBACILLUS HELVETICUS R0052 IMPROVES CHOLESTASIS BY MODULATING THE GUT MICROBIOTA TO ALLEVIATE LIVER INFLAMMATION AND FIBROSIS
Jiali Ni, *China*
- 310** ANTAGONISTIC ACTIVITY OF LACTIC ACID BACTERIA ISOLATED FROM VAGINAL MICROBIOME OF ARMENIAN DIFFERENT ETHNIC GROUPS AGAINST CLINICAL CANDIDA SPECIES
Inga Bazukyan, *Armenia*
- 313** MICROBIOME CHANGES IN ACUTE DIVERTICULITIS
Rachel Purcell, *New Zealand*

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Poster Area 2

Chair: Alfredo Guarino, *Italy***Topic 4: MICROBIOTA & DISEASES**

- 314** CANDIDA ALBICANS INDUCES HEPATOCARCINOGENESIS VIA PI3K-AKT-MTOR-SREBP1 PATHWAY ACTIVATION IN A CHEMICALLY-INDUCED LIVER CANCER MODEL
Shiman Jiang, *China*
- 317** THE MICROBIOME AFFECTS OBESITY-RELATED METABOLITES IN THE PROCESS OF AGING
Dana Binyamin, *Israel*
- 322** KETOGENIC DIET EXACERBATES ACUTE PANCREATITIS BY DISRUPTING THE INTESTINAL BARRIER AND REVEALS THE THERAPEUTIC EFFECT OF BUTYRIC ACID
He Xia, *China*
- 324** "INTESTINAL TARGETED DUAL-TARGETING ""JANUS"" STRUCTURE NANOCLAY MICROGEL PROBIOTIC DELIVERY SYSTEM IMPROVES DIARRHEA-PREDOMINANT IRRITABLE BOWEL SYNDROME"
Youhe Wu, *China*
- 326** CAUSALITY OF GUT MICROBIOTA AND IBD A BIDIRECTIONAL MENDELIAN RANDOMIZATION
Qi Zheng, *China*
- 327** NEW METAGENOME-ASSEMBLED GENOMES COLLECTION FROM THE ESTONIAN GUT MICROBIOME SAMPLES: A VALUABLE RESOURCE FOR EXPLORING MICROBIOME-DISEASE ASSOCIATIONS
Kateryna Pantiukh, *Ukraine*
- 329** ASSOCIATION BETWEEN THE GUT MICROBIOME AND SELF-REPORTED ALLERGIC SYMPTOMS AMONG 5700 FINNISH ADULTS
Nitin Bayal, *India*
- 334** STUDY ON ULCERATIVE COLITIS PATIENTS REVEALS SEVERE ANTIBIOTIC RESISTANT ESCHERICHIA COLI INFECTION
Asha Yadav, *India*
- 339** GUT ENTEROTYPES REFLECT PHENOTYPIC MANIFESTATIONS OF POST-ACUTE COVID-19 SYNDROME
Moses Kwok Tung Li, *Hong Kong*
- 342** CARBON UTILIZATION OF SALMONELLA TYPHIMURIUM IN DIFFERENT MOUSE MODELS AND ON THE FAMILY LEVEL OF ENTEROBACTERIACEAE
Christopher Schubert, *Swiss*

- 349** INTESTINAL MICROBIOTA AND INFLAMMATORY PROFILE OF PERI-URBAN FARMERS IN THE MUNICIPALITY OF SÃO PAULO, BRAZIL
Poliana Scarcella Doliveira, *Brazil*

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Poster Area 3

Chair: Carla Fiorentini, *Italy*

Topic 4: MICROBIOTA & DISEASES

- 360** HISTORY OF REPEATED ANTIBIOTIC USAGE LEADS TO MICROBIOTA-DEPENDENT MUCUS DEFECTS
Kertu Liis Krigul, *Estonia*
- 364** VAGINAL MICROBIOME COMPOSITIONAL CHANGES DURING A MENSTRUAL CYCLE: RESULTS FROM THE WOMEN4HEALTH COHORT
Maria Laura Ferrando, *Italy*
- 370** ALTERATIONS IN GUT MICROBIOTA COMPOSITION AS A POTENTIAL RISK FACTOR FOR PARKINSON DISEASE DEVELOPMENT IN GBA1 VARIANT CARRIERS
Elisa Menozzi, *UK*
- 371** HOST GENOME-WIDE ASSOCIATION STUDY OF THE SWEDISH GUT MICROBIOME
Koen Dekkers, *The Netherlands*
- 373** STREPTOCOCCUS ANGINOSUS PROMOTES ADVERSE PREGNANCY OUTCOMES BY REGULATING INFLAMMATORY SIGNALING PATHWAY
Huanrong Li, *China*
- 374** CURCUMIN ALLEVIATES CONCAVALIN A-INDUCED ACUTE LIVER INJURY BY REGULATING MONOCYTE-DERIVED MACROPHAGES AND INTESTINAL MICROFLORA BALANCE
Juan Lu, *China*
- 375** MEDICATION AFFECTS GUT MICROBIOME COMPOSITION AND MICROBIAL SIGNATURES PREDICT THERAPEUTIC OUTCOMES IN PATIENTS WITH ULCERATIVE COLITIS
Jiaying Zheng, *Hong Kong*
- 378** GUT MICROBIOTA VARIATIONS IN PATIENTS WITH JAK2V617F-POSITIVE MYELOPROLIFERATIVE NEOPLASM ACROSS DIVERSE CYTOREDUCTIVE TREATMENTS
Christina Schjellerup Eickhardt-Dalbøge, *Denmark*

- 385** THE ROLE OF GUT MICROBIOTA IN THE ETIOPATHOGENESIS OF MULTIPLE CHRONIC DISEASES
Lara Pires, *Portugal*
- 389** INGESTION OF SUGAR SUBSTITUTES PROMOTES GUT COLONIZATION AND VIRULENCE IN SALMONELLA TYPHIMURIUM
Bidong Nguyen, *Swiss*

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Poster Area 4

Chair: Livia Emma, *Italy*

Topic 4: MICROBIOTA & DISEASES

- 393** MACHINE LEARNING AND BIOENGINEERED PLATFORMS FOR INTEGRATED PREDICTION OF HUMAN HEALTH STATE FROM MICROBIOME FEATURES
Nicholas Be, *USA*
- 397** FAECAL MICROBIOME AS NON-INVASIVE BIOMARKERS FOR INFLAMMATORY BOWEL DISEASE: A CROSS-POPULATION METAGENOMIC ANALYSIS IN SIX COHORTS
Jingwan Zhang, *Hong Kong*
- 402** DECIPHERING THE ROLE OF MATERNAL GUT MICROBIOTA, DIETARY PATTERN DURING PREGNANCY AND PRENATAL CHARACTERISTICS IN INFANTILE ALLERGIC DISEASES
Le Duc Huy Ta, *Singapore*
- 403** ECONOMIC DEVELOPMENT-ASSOCIATED SHIFTS IN GUT MICROBIOME AND THEIR IMPLICATIONS FOR DISEASE RISK
Hiroaki Masuoka, *Japan*
- 406** WHEY PROTEIN FERMENTED WITH LACTOBACILLUS GASSERI IM13 AMELIORATES GUT AND MUSCLE HEALTH IN HINDLIMB-IMMOBILIZED MICE
Jihun Jang, *South Korea*
- 407** THE HUMAN GUT MICROBIOME AND IT'S KEY CONSTITUENTS IN THE CONTEXT OF INFLAMMATORY BOWEL DISEASE: A NETWORK-BASED APPROACH
Theresa Geese, *Germany*
- 414** DO ANTI-LPS ANTIBODIES TO PATIENT MICROBIOTA ASSOCIATE WITH WORSE OUTCOMES IN CROHN'S DISEASE?
Wenkang Feng, *Australia*
- 417** NOVEL COCULTIVATION SYSTEM TO ANALYZE THE RELATIONSHIP BETWEEN CANCER AND BACTERIA AND ITS APPLICATION TO EVALUATE THE EFFECTS OF BACTEROIDES FRAGILIS ON COLORECTAL CANCER CELLS
Matěj Příkryl, *Czech Republic*

- 418** GUT MICROBIOTA AND METABOLOME VARIATIONS IN COLORECTAL TUMORS: THE EFFECT OF OBESITY AND DIET
Marta La Vecchia, *Italy*
- 421** EXPLORING THE GUT MICROBIAL TRYPTOPHAN METABOLISM USING IN VITRO INCUBATION TECHNIQUES AND UHPLC-HRMS
Nathan Vanwinsen, *Belgium*