

TUESDAY JUNE 25TH

E-Poster Session

08:30 – 09:30

Chair: Alessio Fasano, *USA*

Poster Area 1

Topic 4: MICROBIOTA & DISEASES

20 e-poster

Chair: Livia Emma, *Italy*

Poster Area 2

Topic 4: MICROBIOTA & DISEASES

20 e-poster

Chair: Carla Fiorentini, *Italy*

Poster Area 3

Topic 4: MICROBIOTA & DISEASES

20 e-poster

Chair: Maria Vasile, *Belgium*

Poster Area 4

Topic 4: MICROBIOTA & DISEASES

20 e-poster

TUESDAY JUNE 25TH

E-Poster Session

08:30 – 09:30

Poster Area 1

Chair: Alessio Fasano, *USA*

Topic 4: MICROBIOTA & DISEASES

- 423** INTESTINAL MICROBIOTA PROFILE IN HEALTHY AND ENTEROPATHIC DOGS
Alessandro Benvenuti, *Italy*
- 425** PARKINSON'S DISEASE SPECIFIC MICROBIOTA INDUCES CONSTIPATION IN MICE
Tomonari Hamaguchi, *Japan*
- 428** THE CHANGE OF INTESTINAL FLORA AND BACTERIAL TRANSLOCATION IN RATS AFTER LIVER TRANSPLANTATION
Chunlei Chen, *China*
- 430** GUT MICROBIOTA BOOSTS ANTITUMOR IMMUNITY THROUGH MODULATION OF MYELOID-DERIVED SUPPRESSOR CELLS
Alessio Cardilli, *Belgium*
- 432** IMPACT OF INFLUENZA-LIKE ILLNESS ON THE HUMAN NASOPHARYNGEAL AND OROPHARYNGEAL MICROBIOTA IN THE AGING POPULATION
Jolanda Kool, *The Netherlands*
- 433** GUT MICROBIOME, OBESITY AND LIFESTYLE IN DEPRESSION: A CROSS-SECTIONAL STUDY
Carlos Mora-Martinez, *Spain*
- 437** SERIOUS ADVERSE DRUG REACTIONS RESULTING FROM ABDOMINAL TUBERCULOSIS ASSOCIATED WITH PORTAL VEIN HYPERTENSION? A CASE REPORT
Zhenzhen Zhang, *China*
- 438** EXPLORING GUT MICROBIOME METABOLIC PATHWAYS AND THEIR ASSOCIATIONS IN ACUTE MYOCARDIAL INFARCTION
Ayaulym Nurgozhina, *Kazakhstan*
- 440** GUT MICROBIOME AT THE ONSET OF MULTIPLE SCLEROSIS: AN ITALIAN COHORT STUDY
Simona Rolla, *Italy*
- 441** INTERACTIONS BETWEEN THE GUT MICROBIOME AND NOVEL TYPE 2 DIABETES MEDICATIONS IN TYPE 2 DIABETES PATIENTS
Annabel Klemets, *Estonia*

- 443** FECAL MICROBIOME TRANSPLANT FROM PATIENTS WITH HBV-RELATED CIRRHOSIS AGGRAVATES LIVER FIBROSIS IN MICE
Fengjiao Wang, *China*
- 444** MULTIPLE SCLEROSIS-ASSOCIATED GUT MICROBIOME IN AN ITALIAN COHORT: ASSOCIATIONS WITH ONSET, CLINICAL STATUS, THERAPY AND DIET
Rachele Rosso, *Italy*
- 450** EVALUATION OF THE CLINICAL PRESENTATION OF PATIENTS WITH CHRONIC HEART FAILURE OF VARIOUS PHENOTYPIC GROUPS AND THE ASSOCIATION OF INTESTINAL MICROBIOTA MEMBERS WITH THE DEVELOPMENT OF CHRONIC SYSTEMI
Baurzhan Aipov, *Kazakhstan*
- 451** IDENTIFICATION OF THE GUT MICROBIOTA FUNCTIONS THAT MAY CONTRIBUTE TO THE ACTIVATION OF THE INFLAMMATORY RESPONSE IN TREATED CELIAC PATIENTS
Sergio Romera-Giner, *Spain*
- 453** PREDICTIVE METABOLOMIC SIGNATURE FOR TRASTUZUMAB RESPONSE IN HER2+ BREAST CANCER: INTEGRATING MICROBIOME INSIGHTS
Nicole Palmieri, *Italy*
- 454** THE ROLE OF THE MICROBIOTA IN EOE
Laura Manuto, *Italy*
- 456** ORAL-GUT MICROBIOME IS ASSOCIATED WITH SARCOPENIA IN PATIENTS WITH ADVANCED CANCER FOLLOWING RADIOTHERAPY
Qingqing Hu, *China*
- 457** BENEFICIAL AND ANTI-INFLAMMATORY EFFECT OF POSTBIOTICS DERIVED FROM LACTOBACILLUS PARACASEI CNCM I-5220 ON THE SKIN
Francesca Algieri, *Italy*
- 458** FECAL MICROBIOTA TRANSPLANTATION COMBINED WITH ANTI-PD-1 IMMUNOTHERAPY IN UNRESECTABLE HEPATOCELLULAR CARCINOMA
Ping Chen, *China*
- 460** METABOLOMIC INSIGHTS: UNRAVELING THE EVOLUTION OF SHORT-CHAIN FATTY ACIDS LEVELS IN AUTISM SPECTRUM DISORDER ONSET
Alessio Trotta, *Italy*

08:30 – 09:30

Poster Area 2

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

- 461** ESTABLISHING THE DEFINES FOR A HEALTHY HUMAN GUT MICROBIOME-HEALTH MICROBIOME COHORT STUDY IN *CHINA*
Baohong Wang, *China*
- 463** PROPHYLACTIC ROLE OF POSTBIOTICS IN CONTROLLING CHEMOTHERAPY-INDUCED INTESTINAL DAMAGE
Alessandra Silvestri, *Italy*
- 464** UNRAVELING THE METABOLOMIC LANDSCAPE OF AUTISM SPECTRUM DISORDER: INSIGHTS FROM LONGITUDINAL METABOLOMIC ANALYSIS IN THE GEMMA PROJECT
Martina Lombardi, *Italy*
- 467** METABOLOMIC PROFILING IN AUTISM SPECTRUM DISORDER: A CASE-CONTROL STUDY
Vera Abenante, *Italy*
- 469** THE GUT PHAGEOME IS ASSOCIATED WITH HEALTHY BRAIN AGEING
Eleftheria Charalambous, *Germany*
- 470** COMPARATIVE ASSESSMENT OF MULTIOMIC INTEGRATION APPROACHES: BRIDGING METABOLOMICS AND MICROBIOME DATA
Andrea Ingenito, *Italy*
- 474** A NOVEL HUMAN PROBIOTIC BLEND SUCCESSFULLY DECREASES INFLAMMATION BY REARRANGING MICROBIAL POPULATIONS AND ALTERING MUCOSAL IMMUNE SUBSETS IN A CROHN'S DISEASE-ILEITIS MOUSE MODEL
Luca Di Martino, *USA*
- 479** IMMUNO-MICROBIAL SIGNATURES IN COLORECTAL CANCER
Hege Tunsjø, *Norway*
- 482** THE SMALL INTESTINE ON A PLATE: THE FUNCTION OF BILE SALTS IN HOST-MICROBE CROSSTALK
Pieter De Clercq, *Belgium*
- 486** ORAL AND FAECAL PREVOTELLA SPP, VEILLONELLA SPP, AND FUSOBACTERIUM SPP IN PREGNANT WOMEN WITH GESTATIONAL DIABETES
Moises Ramos-Solano, *Mexico*
- 491** PRELIMINARY DATA ON THE MICROBIOME IN COVID-19, A LONGITUDINAL STUDY
Laura Danielsen, *Denmark*

- 493** QUANTIFYING ANTIBIOTIC-SPECIFIC PERTURBATIONS OF THE GUT MICROBIOME IN PEDIATRIC INFLAMMATORY BOWEL DISEASE
Kyle Bittinger, *USA*
- 501** EFFICACY AND SAFETY OF FECAL MICROBIOTA TRANSPLANTATION FOR THE TREATMENT OF CLOSTRIDIODES DIFFICILE INFECTION: A 10-YEAR EXPERIENCE OF A LARGE-VOLUME FMT CENTER
Marcello Fiorani, *Italy*
- 507** PRENATAL MATERNAL GUT MICROBIOTA PROFILES IN RELATION TO NON-COMMUNICABLE DISEASE OUTCOMES IN OFFSPRING
Gaik Chin Yap, *Singapore*
- 511** POTENTIAL INVOLVEMENT OF ENVIRONMENT AND MICROBIOME IN AUTISM SPECTRUM DISORDER FROM THE GEMMA PROJECT
Dario Siniscalco, *Italy*
- 512** STUDY ON THE MECHANISM OF ACIDIC TUMOR MICROENVIRONMENT-INDUCED INTRATUMORAL BACTERIA PROMOTING TUMOR INVASION AND METASTASIS
Yang Liu, *China*
- 513** FUSOBACTERIUM NUCLEATUM INDUCES OXALIPLATIN RESISTANCE BY INHIBITING FERROPTOSIS IN COLORECTAL CANCER
Yang Liu, *China*
- 514** FUSOBACTERIUM NUCLEATUM INFECTION LEADS TO INCREASED TUMOR TISSUE STIFFNESS AND ANGIOGENESIS IN COLORECTAL CANCER
Yunwei Wei, *China*
- 518** BILE ACID EQUILIBRIUM AS A MEASURE OF GUT MICROBIOTA TO ALCOHOL-RELATED LIVER DISEASE
Marisa Isabell Keller, *Germany*
- 580** EFFECT OF PROBIOTICS ON ALLERGIC RHINITIS: RESULTS FROM A RANDOMIZED CONTROLLED TRIAL
Lisa Lungaro, *Italy*

08:30 – 09:30

Poster Area 3

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

- 520** GUT VIROME IS ASSOCIATED WITH SUBSEQUENT CELIAC DISEASE IN TWO EUROPEAN PROSPECTIVE BIRTH COHORTS
Katerina Chuda, *Czech Republic*
- 521** LONG-TERM DYNAMICS OF ENTEROBACTERIAL CLPB PROTEIN IN THE SERUM AND CLPB GENE IN GUT MICROBIOME OF ADOLESCENTS WITH ANOREXIA NERVOSA
Nadia Andrea Andreani, *Germany*
- 523** INVESTIGATION OF GUT MICROBIOME SIGNATURE AS A PREDICTIVE BIOMARKER OF RESPONSE TO IMMUNE CHECKPOINT INHIBITORS IN ADVANCED NSCLC PATIENTS
Jun-Yeong Heo *South Korea*
- 530** COMPREHENSIVE GENETIC ANALYSIS OF GENSCAN® AND THE GUT MICROBIOME
Hana Sladkova Kavinova, *Czech Republic*
- 536** INCREASED FECAL CALPROTECTIN IS ASSOCIATED WITH ALTERATIONS IN GUT MICROBIOME, SERUM MARKERS AND CLINICAL OUTCOMES IN OLDER INDIVIDUALS
Sebastian Heinzel, *Germany*
- 540** CORRELATION BETWEEN NASOPHARYNGEAL MICROBIOME AND CHILDHOOD ASTHMA AND CHANGES IN CLINICAL STATUS OF CHILDHOOD ASTHMA
Nam Sze Cheng, *Hong Kong*
- 541** THE ROLE OF CONTRACEPTIVE USAGE ON GUT MICROBIOME IN ESTONIAN MICROBIOME COHORT
Kreete Lüll, *Estonia*
- 549** LARGE SCALE ANALYSIS OF INTESTINAL MICROBIOTA ALTERATIONS ACROSS COLORECTAL CANCER STAGES IN 3,512 INDIVIDUALS
Gianmarco Piccinno, *Italy*
- 550** FECAL MICROBIOTA TRANSPLANTATION PLUS ANTI-PD-1 IMMUNOTHERAPY IN UNRESECTABLE HEPATOCELLULAR CARCINOMA
Ping Chen, *China*
- 557** BACTERIAL GUT METABOLOMIC BIOMARKERS OF MULTIPLE SCLEROSIS
Sanjay Shukla, *USA*

- 560** UNDERSTANDING THE ROLE OF GUT VIROME (AND BACTERIOPHAGES) IN MULTIPLE SCLEROSIS PATIENTS
Sanjay Shukla, *USA*
- 563** EXPLORING THE RELATION BETWEEN FLU AND PNEUMOCOCCAL VACCINE RESPONSIVENESS AND HUMAN GUT MICROBIOTA
Prokopis Konstanti, *The Netherlands*
- 566** ASSESSING QUALITY OF LIFE FOLLOWING FECAL TRANSPLANTATION: PROSPECTIVES AND PATIENT WELLBEING IMPLICATIONS
Claudia Gota, *Italy*
- 569** UNLOCKING THE MICROBIAL MYSTERIES: EXPLORING GUT MICROBIOTA IN TYPE 2 DIABETES AND END-STAGE RENAL DISEASE PATIENTS
Gratiela Gradisteanu Pircalabioru, *Romania*
- 571** PORPHYRINS-PRODUCERS IN AGEING: A SHIFT ON THE SKIN MICROBIOME POPULATION
CyrilleJarrin, *France*
- 579** THE GUT MICROBIOME AND HEALTH STATUS IN THE DUTCH POPULATION: DETERMINING KEY ASSOCIATIONS WITH HEALTH AND DISEASE
David Boverhoff, *The Netherlands*
- 581** EVALUATION OF GUT MICROBIOTA DYSBIOSIS INDEX AND FUNCTIONAL PROFILING IN CHILDREN AFFECTED BY AUTISM SPECTRUM DISORDERS: A SEARCHING FOR DISEASE BIOMARKERS AND PREDICTORS
Pamela Vernocchi, *Italy*
- 591** ANTIBIOTIC THERAPY SHIFTS THE MICROBIOME OF ANTI PD-L1/PD1-TREATED CANCER PATIENTS TOWARDS A STATE OF DYSBIOSIS
Giacomo Vitali, *Italy*
- 595** DECIPHERING THE INTERPLAY OF INTESTINAL MICROBIOME, NUTRITIONAL STATUS, AND HORMONAL IMBALANCE IN WOMEN WITH POLYCYSTIC OVARY SYNDROME AND METABOLIC SYNDROME
Midory Sánchez Rentería, *Mexico*
- 596** TONSILLAR MICROBIOME SIGNATURE ASSOCIATED WITH EPSTEIN-BARR VIRUS LATENCY IN ARGENTINEAN CHILDREN
Norma Paola Aguirre Morgado, *Mexico*

08:30 – 09:30

Poster Area 4

Chair: Maria Vasile, *Belgium***Topic 4: MICROBIOTA & DISEASES**

- 597** APOE-E ALLELES AND MILD COGNITIVE IMPAIRMENT CORRELATE TO CHANGES IN THE GUT MICROBIOME OF OLDER PERSONS
Gaspar Perez-Martinez, *Spain*
- 599** EXPLORING THE CUTANEOUS MICROBIOTA COMPOSITION IN INDONESIAN CHILDREN WITH ATOPIC DERMATITIS
Raden Mohamad Rendy Ariezal Effendi, *Indonesia*
- 601** MICROBIALLY DERIVED VOLATILE METABOLITES IN PEDIATRIC NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD)
Amalia Z. Berna, *USA*
- 603** COMBINED EFFECT OF FAT DIET AND COLORECTAL CARCINOGENESIS ON THE MODULATION OF GUT GLICOBIOLOGY AND ALTERATION OF THE CIRCULATING MICROBIOTA
Sonia Perrelli, *Italy*
- 604** UNVEILING ORAL MICROBIOME SIGNATURES IN AUTISM SPECTRUM DISORDER: IMPLICATIONS FOR SUBTYPING AND INTERVENTION
Per Adastra, *USA*
- 606** THE BUTYRATE ROLE IN MODULATING THE GUT-SKIN AXIS
Marica Cozzolino, *Italy*
- 610** PARALLEL TRACKING OF GUT AND SALIVARY MICROBIOTA PROFILES UPON LAROTRECTINIB TREATMENT FOR NTRK FUSION-POSITIVE GLIOBLASTOMA (GBM): A CASE REPORT
Luigia Turco, *Italy*
- 613** DISTURBANCES IN GUT MICROBIOTA CHARACTERISTICS REVEALED IN NON-DIABETICS WITH FAMILY HISTORY OF T2D
Oscar Gitton-Quent, *France*
- 617** EXPLORING THE GENETIC SIGNALS OF ROR(GAMMA-T)+ TREG CELL INDUCTION BY THE GUT MICROBIOME
Victor Martins, *Brazil*
- 619** GUT MICROBIOTA AND METABOLITES ASSOCIATED WITH EPICARDIAL ADIPOSE TISSUE ATTENUATION
Meenakshi Pradhan, *Sweden*
- 622** STUDY OF THE DIVERSITY OF THE INTESTINAL MICROBIOTA AND INFLAMMATORY CYTOKINES IN MEXICAN PATIENTS WITH ATTR CARDIAC AMYLOIDOSIS
María Magdalena Aguirre-García, *Mexico*

- 626** GUT MICROBIOME-BASED PREDICTION OF NEUROINFLAMMATION
Mahesh S. Desai, *Luxembourg*
- 633** BIOINFORMATIC PIPELINE TO CHARACTERIZE THE GLOBAL LANDSCAPE OF 100K HUMAN GUT ANTIBIOTIC RESISTOMES
Shivang Bhanushali, *Finland*
- 636** STRAINS OF THE GUT MICROBIOME ACROSS AGE AND INFLAMMATORY GRADIENTS IN JUVENILE IDIOPATHIC ARTHRITIS AND MATCHING ADULT PHENOTYPES
KelseyThompson, *USA*
- 638** THE INTERACTION BETWEEN THE ORAL MICROBIOME AND AN ORAL HEALTH-RELATED GENE IN AN AMAZONIAN RIVERINE POPULATION
Marina Quintas dos Santos, *Brazil*
- 649** MULTI-OMICS ANALYSIS OF GUT MICROBIOTA UNVEIL MICROBIAL FUNCTIONS ALTERATIONS ASSOCIATED TO PARKINSON'S DISEASE
Rémy Villette, *Luxembourg*
- 650** IMPACT OF WATER CHLORINATION ON METABOLIC HOMEOSTASIS VIA THE GUT MICROBIOTA
Elizabeth Howard, *USA*
- 651** THE CORRELATION BETWEEN SERUM 25(OH)D LEVEL AND INTESTINAL FLORA IN PATIENTS WITH LIVER DISEASE
Jundan Shao, *China*
- 659** DIFFERENCES IN THE COMPOSITION OF GUT MICROBIOTA IN OVERWEIGHT AND OBESE MEDICAL STUDENTS IN MEXICO
Karina Robles Rivera, *Mexico*
- 661** GLIADIN PROTEOLYTIC ACTIVITY FROM CELIAC DISEASE RELATED BLOOD AND GUT COMMENSAL BACTERIA
Ana Isabel Roque, *Portugal*