

MONDAY JUNE 24TH**E-Poster Session****11:00 – 11:30**Chair: Antonio Gasbarrini, *Italy***Poster Area 1****Topic 4: MICROBIOTA & DISEASES**

11 e-poster

Chair: Gianluca Ianiro, *Italy***Poster Area 2****Topic 4: MICROBIOTA & DISEASES**

11 e-poster

Chair: Roberto Berni Canani, *Italy***Poster Area 3****Topic 4: MICROBIOTA & DISEASES**

10 e-poster

Chair: Maria Rescigno, *Italy***Poster Area 4****Topic 4: MICROBIOTA & DISEASES**

10 e-poster

Chair: : Antonio Gasbarrini, *Italy*

Topic 4: MICROBIOTA & DISEASES

- 197** EFFECTS OF AKKERMANSIA MUCINIPHILA IN DEPRESSION AND COGNITIVE BEHAVIORS IN RATS
Leclerc Marion, *France*
- 201** EFFECT OF EARLY LIFE GASTROINTESTINAL INFECTION ON GUT MICROBIOTA, NEUROGENESIS AND BEHAVIOUR
Mahebal Tabusi, *Canada*
- 202** EXPLORING MULTI-OMIC CHANGES WITH WEIGHT LOSS TREATMENT IN METABOLIC DYSFUNCTION-ASSOCIATED STEATOHEPATITIS
Sandi Yen, *UK*
- 203** MICROBIOME AND HOST GENE EXPRESSION IN EARLY-ONSET COLORECTAL CANCER
Arielle Kae Sulit, *New Zealand*
- 204** IDENTIFYING NOVEL DRIVER BACTERIA OF CARDIOVASCULAR DISEASE
Christopher L. Gentile, *USA*
- 210** AGE-RELATED DYNAMICS OF METHANOGENIC ARCHAEA IN THE HUMAN GUT MICROBIOME: IMPLICATIONS FOR LONGEVITY AND HEALTH
Rokhsareh Mohammadzadeh, *Austria*
- 211** MICROBIAL MYSTERIES: DECIPHERING METHANOGENIC ARCHAEA'S IMPACT ON GASTROINTESTINAL HEALTH
Christina Kumpitsch, *Austria*
- 212** INTEGRATED METAGENOMIC-METAPROTEOMIC PIPELINE FOR BIOMARKER DISCOVERY IN ACUTE-ON-CHRONIC LIVER FAILURE
Peter Treit, *Hungary*
- 216** DEVELOPMENT OF A GENOME-SCALE METABOLIC MODEL CATALOG FOR THE MURINE GUT MICROBIOME (MCMURGUT)
Torben Kuehnast, *Germany*
- 217** BACTERIOPHAGE TRANSLOCATION ACROSS THE INTESTINAL BARRIER IN CROHN'S DISEASE
Clara Douadi, *France*
- 219** SARS-COV-2 INFECTION AND GUT MICROBIOTA IMPLICATION IN PAEDIATRIC PATIENTS
Elena Franchitti, *Italy*

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Poster Area 2

Chair: Gianluca Ianiro, *Italy***Topic 4: MICROBIOTA & DISEASES**

- 222** MOLECULAR NETWORK ANALYSIS OF THE CROSS-TALK BETWEEN GENETICS, BRAIN GENE ACTIVITY AND GUT MICROBIOTA IN AUTISM SPECTRUM DISORDER
Alessandra Mezzelani, *Italy*
- 223** FIRST EXPLORATION OF THE ALTERED MICROBIAL GUT-LUNG AXIS IN THE PATHOGENESIS OF HUMAN REFRACTORY CHRONIC COUGH
Francesco Cei, *Italy*
- 227** TIMING MATTERS: LATE, BUT NOT EARLY, EXERCISE TRAINING AMELIORATES MAFLD AND PARTLY MODULATES THE GUT-LIVER AXIS
Artemiy Kovynev, *Russia*
- 228** VAGINAL MICROBIOTA CHANGES OF GESTATIONAL DIABETES MELLITUS PREGNANT WOMEN IN DIFFERENT GESTATIONAL WEEKS AND ITS INFLUENCE ON PREGNANCY OUTCOMES: A PROSPECTIVE COHORT STUDY
XINHUI YANG, *China*
- 232** MICROBIOME-METABOLOME ANALYSIS IDENTIFIES DISTINCT PROFILES IN PATIENTS WITH ANOREXIA NERVOSA
José C. Clemente, *USA*
- 233** BIOLOGICALLY RELEVANT FEATURES IN THE DISTINCTLY STABLE GUT OF MELANOMA PATIENTS WITH COMPLETE RESPONSE TO ANTI-PD1 IMMUNOTHERAPY
Angeli Dominique Macandog, *Italy*
- 234** THE HUMAN ORAL MICROBIOME AND CAUSE-SPECIFIC MORTALITY RISK IN THREE PROSPECTIVE COHORT STUDIES
Yukiko Yano, *USA*
- 235** FUNCTIONAL METAGENOMICS REVEALS MICROBIAL GENE PRODUCTS THAT AUGMENT ANTI-PD-1 CANCER IMMUNOTHERAPY
Puspendu Sardar, *UK*
- 238** PEDIATRIC HIGH-RISK ACUTE LYMPHOBLASTIC LEUKEMIA: GUT MICROBIOTA CHARACTERIZATION
Regiane N. Spalanzani, *Brazil*
- 239** THE ROLE OF THE GUT MICROBIOME IN IMMUNOTHERAPY RESPONSE: LESSON OF AN URUGUAYAN COHORT
Florencia Peñalba, *Uruguay*
- 242** EXCLUSIVE ENTERAL NUTRITION INITIATES PROTECTIVE MICROBIOME CHANGES TO INDUCE REMISSION IN PEDIATRIC CROHN'S DISEASE
Deborah Häcker, *Germany*

Chair: Roberto Berni Canani, *Italy*

Topic 4: MICROBIOTA & DISEASES

- 243** ROLE OF BARNESIELLA AS A POSSIBLE MEDIATOR INVOLVED IN INDUCED IDIOSYNCRATIC LIVER DAMAGE CAUSED BY AMOXICILLIN-CLAVULANATE
Alba González-Robles, *Spain*
- 244** TRANSFER OF FECAL MICROBIOTA PROFILES FROM PATIENTS WITH AMOXICILLIN-CLAVULANATE INDUCED HEPATOTOXICITY DETERMINES MICROBIAL PROFILES IN GERM-FREE MICE
Alba González-Robles, *Spain*
- 245** INTERACTION BETWEEN GUT MICROBIOTA AND THE IMMUNE SYSTEM IN AUTISM: HIJACKED IMMUNE SYSTEM INDUCES CHANGES ALONG THE GUT-BRAIN AXIS
Naika Prince, *Swiss*
- 247** THE BLOOD VIROME IN CROHN'S DISEASE
Quentin Lamy-Besnier, *France*
- 249** EFFECT OF FECAL MICROBIOTA TRANSPLANTATION FROM CHILDREN WITH AUTISM IN GERM-FREE MICE: IMPORTANCE OF GENETIC BACKGROUND AND GASTROINTESTINAL SYMPTOMS
Lea Roussin, *France*
- 251** BACTERIAL LIPOPOLYSACCHARIDE ACTIVITY IN PATIENTS WITH COLORECTAL POLYPS
Jessica Permain, *New Zealand*
- 252** BACTERIAL LIPOPOLYSACCHARIDE MODULATES METHYLATION IN COLORECTAL CANCER
Jessica Permain, *New Zealand*
- 253** BACTERIAL LIPOPOLYSACCHARIDE MODULATES IMMUNE CHECKPOINT PROTEIN EXPRESSION IN COLORECTAL CANCER
Jessica Permain, *New Zealand*
- 254** THE MICROBIAL LANDSCAPE OF COLORECTAL POLYPS
Jessica Permain, *New Zealand*
- 259** MICROBIOME ANALYSIS IN ADULT ACUTE APPENDICITIS
Arielle Kae Sulit, *New Zealand*

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Poster Area 4

Chair: Maria Rescigno, *Italy***Topic 4: MICROBIOTA & DISEASES**

- 260** BACTERIAL LIPOPOLYSACCHARIDES INFLUENCE IMMUNE RESPONSES IN THE MICROENVIRONMENT OF COLORECTAL CANCER
Arielle Kae Sulit, *New Zealand*
- 261** THE TUMOUR MICROBIOME AND MOLECULAR MECHANISMS INFLUENCE RESPONSE TO RADIOTHERAPY IN RECTAL CANCER
Arielle Kae Sulit, *New Zealand*
- 266** AMPLICON BASED MICROBIOTA ANALYSES OF AIRWAY SAMPLES IMPROVES DIAGNOSTICS OF PATIENTS WITH NOSOCOMIAL PNEUMONIA IN ICU
Xiaohui Chen Nielsen, *Denmark*
- 268** PREDICTION OF GLYCEMIC RESPONSES BASED ON GUT MICROBIOTA: TOWARDS PRERSONALIZED NUTRITION
Hiroka Sakanaka, *Japan*
- 275** FECAL MICROBIAL LOAD IS A MAJOR DETERMINANT OF GUT MICROBIOME VARIATION AND A CONFOUNDER FOR DISEASE ASSOCIATIONS
Suguru Nishijima, *Germany*
- 276** THE ROLE OF THE GUT MICROBIOTA IN FOOD ALLERGIES
Nofar Asulin, *Israel*
- 277** MICROBIOTA INFLUENCE ON BEHAVIOR: INTEGRATIVE ANALYSIS OF SEROTONIN METABOLISM AND BEHAVIORAL PROFILE IN GERM-FREE MICE
Laurent Naudon, *France*
- 280** IS THE ORAL HEALTH AND ORAL MICROBIOME OF WOMEN LIVING WITH FIBROMYALGIA ASSOCIATED WITH PAIN?
Joanna Harnett, *Australia*
- 284** MICROBIOLOGICAL PROFILE OF GINGIVITIS PATIENTS UNDERGOING PERIODONTAL AND PROBIOTIC THERAPIES
Flavia Furlaneto, *Brazil*
- 290** GARDNERELLA VAGINALIS COLONIZATION OF THE MOUSE VAGINAL TRACT LEADS TO INCREASED HIV-1 AND HSV-2 INFECTION OUTCOMES
Nuzhat Rahman, *Canada*