

Monday 5th November 2018, 13.00-18.30
Afternoon Session

- 10:30 Registration
- 13:00 **Francesco Peri**, Opening and welcome address, introduction to **MicrobiotaMi 2018**
- Plenary Session 1**
“Microbiota/host interaction”
(innate sensing, gut-brain axis, inflammaging)
- Chairman:** Roman Jerala
- 13:20 **Judith Campisi** (Buck Institute, CA, USA)
“Senescent cells as drivers of inflammaging”
- 14:20 **OC01 – Esposti Federico** (University Vita-Salute San Raffaele, Milan, Italy)
“How the brain responds to bacterial molecules in the gut”
- 14:35 **OC02 – Rossini Valerio** (APC Microbiome Ireland, University College Cork, Ireland)
(P01)
“Systemic Dissemination of Commensal Bacteria is CX3CR1-dependent and is Mediated by CD11c+ CD103+ Dendritic Cells”
- 14:50 **OC03 – Gorlé Nina** (VIB Center for Inflammation Research, Ghent, Belgium)
“The choroid plexus epithelium as a novel player in the gut-brain axis”
- 15:05 **Posters Flash Presentations:** **Merlini E.** (P17); **Consonni A.** (P12); **Hafner-Bratkovič I.** (P22); **Hsu E.** (P16); **Sušjan P.** (P29); **Boscaini S.** (P33); **Botti S.** (P32)
- 15:30 Coffee break & Poster Session

P = Poster, **OC** = Oral Communication, **FP** = Flash Presentation

Chairman: Antonio Molinaro

- 16:00 **Duccio Cavalieri** (Department of Biology, University of Firenze, Italy)
“Evolutionary Metagenomics: How Globalization and climate change affect microbiomes“
- 17:00 **OC04 – Hickey Ana** (APC Microbiome Ireland, University College Cork, Ireland) (P02)
“The Role of Exopolysaccharide in Modulating Host Immune Responses towards Bifidobacterium breve“
- 17:15 **OC05 – Perruzza Lisa** (Institute for Research in Biomedicine, USI, Bellinzona, Switzerland)
“ATP released by intestinal bacteria limits the generation of protective IgA against enteropathogens“
- 17:30 **OC06 – Bosman Else** (The University of British Columbia, Canada) (P03)
“UVB light promotes intestinal homeostasis through Ahr activation“
- 17:45 **Posters Flash Presentations:** **Zeaite Z.** (P15); **Manček-Keber M.** (P27); **Rossi M.** (P25); **Soccio P.** (P30); **Masetti G.** (P20); **Farini A.** (P10); **Zafeiropoulou K.** (P23); **Pellicciotta M.** (P26); **Pinto D.** (P31); **Pazienza V.** (P11)
- 18:30 Welcome cocktail

Tuesday 6th November 2018, 9.00 – 13.00

Morning Session

Plenary Session 2

**“Microbiota and diseases:
inflammation, neurodegeneration, autoimmunity”**

Chairman: Ivan Zanoni

- 09:00 **Scott Snapper** (Harvard Medical School, USA)
“Immunological and Microbial Mechanisms of Immune Tolerance in the Human Intestine: Insights from Rare Disease.”
- 10:00 **Nissan Yissachar** (Bar-Ilan University Ramat-Gan, Israel)
“Thinking outside the mouse: ex-vivo dissections of enteric neuro-immune-microbiome cross talks”
- 10:30 **OC07 – Carlo Selmi** (University of Milan and Humanitas Research Hospital, Italy)
“The role of gender in the connection between the microbiome and autoimmunity”
- 10:45 **Posters Flash Presentations: Agostinetti G. (P19); Taverniti V. (P34); Zerkani H. (P21); Pallach M. (P28); Di Lorenzo F. (P18)**
- 11:00 Coffee break & Poster Session

Chairman: Ivan Monteleone

- 11:30 **Gabriel Nunez** (Department of Pathology, University of Michigan Medical School, USA)
“Role of the Microbiota in Health and Inflammatory Disease”
- 12:30 **OC08 – Dumas Alexia** (IPBS, CNRS, Toulouse, France) (P59)
“The host microbiota contributes to early protection against lung colonization by Mycobacterium tuberculosis”
- 12:45 **OC09 – Strati Francesco** (Institute for Research in Biomedicine, Faculty of Biomedical Sciences, USI, Bellinzona, Switzerland)
“Defective purinergic control of T follicular helper cells alters the IgA-targeted gut microbiota and host metabolism”
- 13:00 Lunch

Tuesday 6th November 2018, 14.00 – 18.15
Afternoon Session

Plenary Session 2
**“Microbiota and diseases:
inflammation, neurodegeneration, autoimmunity”**

Chairman: Koichi Fukase

- 14:00 **Hiroshi Kiyono** (University of Tokyo, Japan)
“Mucosal Multi-Ecological Loop of Intra- and Extra-Tissue Commensal Microbiota, Epithelial Cells and Immune Cells for Gut Homeostasis and Inflammation”
- 15:00 **OC10 – Carmen Giordano** (Politecnico di Milano, Italy)
“MINERVA ERC project: a bioengineered platform for frontier research on microbiota-gut-brain axis”
- 15:15 **OC11 – Pasquale Striano** (Gaslini Institute and University of Genoa, Italy)
“The bidirectional link between CNS and gut microbiota in epilepsy and other neuropsychiatric disease”
- 15:30 **OC12 – Holgado Aurora** (Inflammation Research Center - VIB, Gent, Belgium) (P04)
“Effect of IL-33 targeting in fungal microbiota-induced asthma”
- 15:45 **Posters Flash Presentations: Celine Toe L.** (P24); **Campisciano G.** (P13); **Airoldi C.** (P14)
- 16:00 Coffee break & Poster Session
- 16:30 **Jin-ichi Inokuchi** (Tohoku Medical and Pharmaceutical University, Japan)
“New Paradigm for Chronic Inflammation Mediated by Glycosphingolipids”
- 17:30 **OC 13 – Annamaria Bevivino** (ENEA, Rome, Italy)
“The airway microbiome in cystic fibrosis: where are we now?”
- 17:45 **OC14 – Shimoyama Atsushy** (Osaka University, Japan) (P05)
“Synthesis and functions of symbiotic bacterial lipopolysaccharide partial structures”
- 18:00 **OC15 – Grisha Pirianov** (School of Life Sciences, Anglia Ruskin Cambridge, CB11PT, UK)
“Modulation of macrophage polarisation by novel monosaccharide-based Toll-like receptor 4 antagonists: implications in treatment of CVD”

Social event: guided tour to the Museo della Scienza e della Tecnica

Wednesday 7th November 2018, 09.00 – 13.00

Morning Session

Plenary Session 3
“Microbiota in nutrition and health”**Chairman:** Rudi Beyaert

- 9:00 **Maria Rescigno** (Humanitas University, Milan, Italy)
“Host-microbe interactions in the gut-liver axis”
- 10:00 **OC16 – Hellas Cena** (University of Pavia, Italy)
“Personalized nutrition and human microbiome for NCD prevention and treatment”
- 10:15 **OC17 – Federica Laudisi** (Department of System Medicine, University of Rome Tor Vergata, Rome, Italy) (P07)
“The food additive maltodextrin promotes endoplasmic reticulum stress-driven mucus depletion and exacerbates intestinal inflammation”
- 10:30 **OC18 – Burrello Claudia** (Department of Oncology and Hemato-oncology, The University of Milan, Italy) (P08)
“Antibiotic treatment induces recruitment and inflammatory activation of colonic iNKT cells”
- 10:45 **OC19 - Annalisa Chiochetti** (Department of Health Science and IRCAD and CAAD, University of Piemonte Orientale (UPO), Novara, Italy)
“Development and characterization of a new probiotic formulation, EndolaCoa[®], in allergic patients”
- 11:00 Coffee break
- 11:30 **Jerry M. Wells** (Department of Animal Sciences, Wageningen University, The Netherlands)
“What matters most the microbes or their metabolites?”
- 12:30 **OC20 - Giorgia Mori** (IEO Milano and University of Pavia, Italy)
“Puzzling out gut microbiota composition in sporadic and hereditary colorectal cancer”
- 12:45 **Poster Prizes and Closing Remarks**