

IHMC2022Kobe Speakers List

Speaker/Presenter	Title	Country/Region
Kjersti M Aagaard	Womb with a View: the importance of maternal-fetal molecular cross-talk in functional development of the microbiome	USA
Hervé Affagard	Mobilizing the French Microbiome multi-disciplinary environment to create a leading ecosystem	France
Ami Bhatt	Hidden Variation in Microbial Genomes	USA
Debby Bogaert*	Host-microbiome interactions in early life; key to respiratory infections?	UK
Miquel Bonachera	The future of microbiome modulation: the role of probiotics and fermented foods	Spain
Peer Bork	(Drug) perturbations of the human gut microbiome	Germany
Claire Derlot	The key elements of successfully producing a Live Biotherapeutic product or LBP	France
Stanislav Dusko	Human gut microbes transmission via oral route	UK
Milla de Fatima Brandao Gois	Characterization of the metabolome and microbiome landscape throughout pregnancy	The Netherlands
Francisco Guarner	Gut Microbiota changes in patients with functional bowel disorders (IBS)	Spain
Chun-Jun Guo	Using Genetics to explore Microbe-Host Interactions at the Molecular Level	USA
Kenya Honda	Interspecies communication for structuring homeostatic microbiota	Japan
Guido Hooiveld	Differences in glycemic responses to food products between individuals, and the link with the (small intestine) gut microbiota	The Netherlands
Masahito Hosokawa	Obtaining complete genomes from uncultured human gut bacteria with single-cell long-read sequencing	Japan
Iliyan D. Iliev	Fungal microbiota in immunity, inflammation and cancer	USA
Marco Jost	Harnessing CRISPR to decode host-microbiota communication	USA
Takanori Kanai	Bacteriophage therapy targeting pathological Klebsiella pneumoniae that determine the clinical course of primary sclerosing cholangitis	Japan
Purna Kashyap	Small intestinal microbiome: the forgotten organ or the new frontier	USA
Yun-Gi Kim	Gut microbiota-accessible carbohydrates as modulators of microbial metabolism and host physiology	Japan
Rob Knight	Scaling microbiome studies to address global problems	USA
Takahiro Matsuki	Key bacterial taxa and metabolic pathways affecting gut short-chain fatty acid profiles in early life	Japan
Sarkis K. Mazmanian*	Gut microbiome metabolites impact behavior in mice, and perhaps humans	USA
Hirokuni Miyamoto	Potential sustainable role of compost-plant-animal-symbionts	Japan
Siew C Ng	New Advances in COVID-19 and the Gut Microbiome	Hong Kong
Keiji Nishida	Development and application of base editing technology	Japan
Suguru Nishijima	Population-level analysis of gut microbiome and virome variation in the Japanese 4D cohort	Germany
Toshitaka Odamaki	Clinical impact of Human-Residential Bifidobacteria (HRB) on infant gut microbiota	Japan
Hiroshi Ohno	Gut microbial biomarkers involved in regulating diabetic conditions	Japan
Naoko Ohtani	Obesity-associated liver cancer: the role of hepatic translocation of gut microbial factors	Japan
Miriam Nozomi Ojima	The role of priority effects in infant gut associated Bifidobacterium communities on human milk oligosaccharides	Japan
Ryo Okumura	Rational development of LBPs based on CRISPR/Cas9 mediated base-editing technology: Focus on an LBP candidate that have shown positive effects on IBD in an animal model	Japan
Bernat Olle	Development of a defined bacterial consortium for the prevention of recurrent Clostridioides difficile infection	USA
Liam O'Mahony	Role of microbial-derived metabolites in immune regulation	Ireland
Noah W Palm	Mapping uncharted landscapes of host-microbiota connectivity	USA
Joseph N Paulson	Paenibacillus infection with frequent viral coinfection contributes to post-infectious hydrocephalus in Ugandan infants	USA
Alena Pribyl	Identifying microbial biomarkers of Inflammatory Bowel Disease using precision microbiome analysis	
Jeroen Raes	Quantitative Microbiome Profiling in health, disease and time	Belgium
Deirdre E Ricaurte	Deep transcriptional profiling reveals microbial responses to top pharmaceutical compounds	USA
Philippe J. Sansonetti	Microbiome metabolites alter intestinal lipid absorption: from homeostasis to pathology	France
Eran Segal	Personalized medicine based on gut microbiome and clinical data	Israel
Kengo Shimomura	Introduction of feces sampling kits that stabilize the microbiome and SCFA profile in room temperature for one month	Japan
Reiko Shinkura	Antibody drugs for symbiotic control between host and microorganism	Japan
Michael Snyder	Big Data, Health and COVID-19	USA
Philip Strandwitz	A platform to map the human microbiome to our biology, first applied to the gut-brain-axis	USA
Kiyoshi Takeda	Microbiota-derived metabolites regulate intestinal homeostasis	Japan
Jing Jie Teh	Colonic mucosa-associated microbiota metagenomic sequencing reveals novel microbes, differences between geographical regions, and differences between health and Crohn's disease	Australia
Jun Terauchi	Pre-competitive consortium activities towards industrialization of microbiome science in Japan	Japan
Cyrille C. Thines	The Virtual Metabolic Human database for human-microbiome metabolic modelling	Ireland
Timur Tuganbaev	Diet Diurnally Regulates Small Intestinal Microbiome-Epithelial-Immune Homeostasis and Enteritis	Japan
Peter J. Turnbaugh	The tiny pharmacists within: how the microbiome impacts the treatment of human disease	USA
Jeremy Wilkinson	Precise species profiling and high MAG recovery of a pooled human fecal reference using PacBio HiFi sequencing	USA
Takashi Yamamura	A journey of exploring the connection of microbiome with brain health	Japan
Yukihiro Yokoyama	Predicting Inchinkoto efficacy, in patients with obstructive jaundice associated with malignant tumors, through pharmacomicrobiomics	Japan
Liping Zhao*	Two competing guilds as common microbiome signature for human chronic diseases	USA
Alexandra Zhernakova	Gene-environment-microbiome interactions in human metabolism and health	The Netherlands

*Online