



Friedrich Merz (1884 - 1979)



FRIEDRICH MERZ VISITING FELLOWSHIP ENDOWMENT

SCIENTIFIC SYMPOSIUM

DIETARY AND THERAPEUTIC MICROBIOME MODULATION: STATE OF THE ART AND PERSPECTIVES

NOVEMBER 13TH
9:00 AM - 5:30 PM

UNIVERSITY HOSPITAL FRANKFURT

Theodor-Stern-Kai 7, 60596 Frankfurt am Main
Building 6, Lecture Hall Pathology



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| 9:00 - 9:15 | WELCOMING |
| 9:15 - 10:00 | KEY NOTE LECTURE Industrialization of the Gut Microbiome and the Rise of Chronic Inflammatory Disease Justin & Erica Sonnenburg , <i>Department of Microbiology and Immunology, Stanford University, CA, USA</i> |
| 10:00 - 10:50 | SESSION 1 - THE HUMAN MICROBIOME: EVOLUTIONARY DYNAMICS AND ANTIMICROBIAL INNOVATION <ul style="list-style-type: none">• The human microbiome: a source of and target for new antimicrobial strategies Andreas Peschel, <i>Interfaculty Institute of Microbiology and Infection Medicine Eberhard-Karls-University Tübingen, Germany</i>• Within-host evolution promotes colonization resistance against enteric pathogens Bärbel Stecher, <i>Max von Pettenkofer Institute of Hygiene and Medical Microbiology, Ludwig-Maximilians-University Munich, Germany</i> |
| 10:50 - 11:05 | COFFEE BREAK |
| 11:05 - 12:20 | SESSION 2 - INNOVATIONS IN GUT MICROBIOME RESEARCH: FROM DECOLONIZATION TO DIET-DRIVEN APPROACHES <ul style="list-style-type: none">• Gut decolonization of multidrug-resistant Enterobacterales via the microbiota Till Strowig, <i>Department for Microbial Immune Regulation, Helmholtz Centre for Infection Research, Braunschweig, Germany</i>• Next steps in gut microbiome research using anaerobic cultivation Thomas Clavel, <i>Institute of Medical Microbiology, RWTH University Hospital, Aachen</i>• Diet-Microbiome axis: When the poison is the cure Canan Arkan, <i>Institute for Tumor Biology and Experimental Therapy, Georg-Speyer-Haus, Frankfurt, Germany</i> |



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| 12:20 - 12:35 | COFFEE BREAK |
| 12:35 - 13:50 | <p>SESSION 3 - CLINICAL VIEW I: DIETARY AND MICROBIOME INTERVENTIONS IN IBD AND METABOLIC DISEASES</p> <ul style="list-style-type: none"> • From low caloric diets to the Hungry Microbiome Theory Reiner Jumpertz-von-Schwartzenberg, <i>Department for Endocrinology and Diabetology, University Hospital Tübingen, Germany</i> • Therapeutic mechanisms of exclusive enteral nutrition in Crohn's disease Dirk Haller, <i>Department for Nutrition and Immunology, Ludwig-Maximilians-University Munich, Germany</i> • Microbiota in IBD- therapeutic goal or tinsel? Irina Blumenstein, <i>Department of Gastroenterology, Hepatology, and Clinical Nutrition, University Hospital Frankfurt, Germany</i> |
| 13:50 - 15:20 | LUNCH |
| 15:20 - 16:20 | <p>SESSION 4 - CLINICAL VIEW II: MENTAL HEALTH & INFECTIOUS DISEASES - INTERACTIONS, IMPLICATIONS, AND INNOVATIVE THERAPIES</p> <ul style="list-style-type: none"> • The interaction between psychotropic drugs and human gut microbiota Jan Homolak, <i>Interfaculty Institute of Microbiology and Infection Medicine, University of Tübingen, Germany</i> • Mind your microbes: findings on the role of the gut microbiome for mental health Silke Matura, <i>Department of Psychiatry, Psychosomatic Medicine and Psychotherapy, Goethe University Frankfurt, Germany</i> • Considerations for the use of phage therapy Silvia Würstle, <i>Department of Medicine II, Infectious Diseases, University Hospital Frankfurt, Germany</i> |
| 16:20 - 16:35 | COFFEE BREAK |



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| 16:35 - 17:25 | <p>SESSION 5 - ADVANCED STRATEGIES IN GUT MICROBIOTA MODULATION: FROM FECAL TRANSFERS TO PRECISION DELIVERY SYSTEMS</p> <ul style="list-style-type: none">• Modulating the gut microbiota: From Fecal Microbiota Transfer To Live Biotherapeutic Product Maria Vehreschild, <i>Department of Medicine II, Infectious Diseases, University Hospital Frankfurt, Germany</i>• Tailor-made carrier systems for controlled delivery of actives for microbiome modulation Maïke Windbergs, <i>Institute for Pharmaceutical Technology and Buchmann Institute for Molecular Life Sciences, Goethe-University Frankfurt, Germany</i> |
| 17:30 - 20:00 | GET TOGETHER |