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GME 2010 GutMicroEcology®
International Scientific Conference on
Gastro-Intestinal Microbial Ecology

Conference Programme – GME2010

Registration Desk and Help Desk is open from Monday 8th November, during 18:00 - 20:00 and each conference day during 7:00 – 18:00 at the conference venue.

November 9, 2010 - DAY 1

8:45 Opening Speech

9:00 SESSION 1; Chair: W. Holzapfel, Co-Chair: H. Putaala

KEYNOTE Lecture
W. Holzapfel: Biodiversity and Taxonomy of the Lactic Acid Bacteria in the Human GIT

KEYNOTE Lecture
H. Putaala: Host Gene Expression in Response to Members of GIT Microflora

S. Nitisinprasert: Effect of Lactobacillus Reuteri KUB-AC5 to Microbial Community in Jejunal Intestine of Chicken Challenging with Salmonella Enteritidis

K. Van Hoorde: Matrix-assisted Laser Desorption Ionization - Time of Flight Mass Spectrometry (MALDI-TOF MS) of Microbial Mixtures: First Impressions of Its Applicability for the Analysis of Gastro-intestinal Microbiota

10:40 Coffee Break

10:55 SESSION 2; Chair: K. Venema, Co-Chair: E. Ringo

KEYNOTE Lecture
K. Venema: Use of ^{13}C-labeled Substrates to Decipher Fermentation of Prebiotics in the Human Colon In Vitro and In Vivo

KEYNOTE Lecture
E. Ringo: Adherence of Bacteria in Fish Gut and What We Can Learn from it

R. Urtula: Treatment of Acute Non-bloody Diarrhea in Pediatric Patients with Bacillus Clausii: A Randomized, Controlled Clinical Trial

A. Hartmann: Characterization of Secreted Soluble Compounds from Probiotic Bacteria Using Different Immunological Test Systems

12:35 Lunch

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13:30 SESSION 3; Chair: M. Kleerebezem, Co-Chair: A. Suvorov

KEYNOTE Lecture
M. Kleerebezem: The Small Intestinal Microbiota, a Functional Metagenomics View

KEYNOTE Lecture
A. Suvorov: Potential of Enterocci Used as Probiotics or Auto-Probiotics for the Treatment of Intestinal Disorders

J. A. Pachebat: Characterisation of Campylobacter Lytic Bacteriophage Genomes by Next Generation Sequencing

E. Thompson: The Role of Rhomboid Proteases in Intracellular Communication

15:10 Coffee Break

15:25 SESSION 4; Chair: J. Paul, Co-Chair: P. Raspor

KEYNOTE Lecture
J. Paul: Association of Mucosal Flora and Genetic Polymorphism of NOD1 Gene with IBD Patients of Northern India

A. B. Estrela: Secretion of Small Metabolites by Escherichia Coli in Response to Human β-defensin-2 Can Play a Role in Host-Microbial Interactions in the Inflamed Gut

S. Kawasaki: Mechanism of Growth Inhibition by Oxygen in Bifidobacterium Species

P. Raspor: European Food, Technology and Nutrition Declaration

16:45 End of Day 1, Poster Visit
Welcome drink

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November 10, 2010 - DAY 2

9:00 SESSION 5, Chair: P. Raspor, Co-Chair: T. Le Roy

KEYNOTE Lecture
P. Raspor: Safety Concerns of Saccharomyces Cerevisiae in Food and Beverages: Cell Wall Determinants, Invasive Characteristics and Virulence Potential

KEYNOTE Lecture
T. Le Roy: Metabolic Disorders Induced by a High Fat Diet Can Be Transferred by a Transplantation of Gut Microbiota

G. L. Mendz: Responses of Campylobacter Jejuni to Intestinal Mucin

M. B. Hartviksen: Carnobacterium Divergens vs Aeromonas Salmonicida in the Digestive Tract of Atlantic Salmon – Which Will Be the Winner?

10:40 Coffee Break

10:55 SESSION 6, Chair: A. Bomba, Co-chair: I. Pavlik

KEYNOTE Lecture
A. Bomba: Modulation of Gastrointestinal Ecosystem Barrier Function in Chronic Diseases Prevention

KEYNOTE Lecture
I. Pavlik: Frequently Asked Questions on the Links between Mycobacteria and Crohn's Disease

P. Gerard: Severe Form of Hepatitis is Associated with a Gut Microbiota Dysbiosis in Alcoholic Patients

W. Marlicz: Gut Microbiota as a Target for Probiotic Therapy in Patients with Compensated and Decompensated Cirrhosis

12:35 Lunch

13:30 SESSION 7, Chair: N. Stern, Co-chair: P. Cotter

KEYNOTE Lecture
N. Stern: Bacteriocin Applications and Potentials for Future Research

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KEYNOTE Lecture
P. Cotter: Use of Bacteriocins and Bacteriocin-producing Probiotics to Modulate the Gut Microbiota in a Beneficial Way

G. Székely: Proton Pump Inhibitors and the Gut and the Gut Microbiota Composition

M. L. Saavedra: In Vivo Assessment of Antimicrobial Activity of Enterocin CRL35 and Enterococcus Mundtii CRL35 in a Murine Model of Pregnancy-Associated Listeria Monocytogenes Infection

I. Rychlik: Development of Gut Microflora in Poultry and Resistance to Salmonella Infection

15:30 Coffee Break, End of Day 2, Poster Visit

16:30 Conference dinner and social programme – excursion to world known Tokaj vineyard with wine degustation

November 11, 2010 - DAY 3

9:00 SESSION 8, Chair: G. Rijkers, Co-Chair: I. Claes

KEYNOTE Lecture
G. Rijkers: Interactions of Gut Microbiota with the Host Immune System

KEYNOTE Lecture
I. Claes: Living on the Edge: A Major Role for Cell Surface Molecules in Probiotic-host Interactions

G. Laptev: T-RFLP-Analysis as a Key Method of Definition of a Condition of Bacterial Community of Gastrointestinal Tract Agricultural Animals

P. Janczyk: Thymol Affects Microbial Diversity in the Porcine Jejunum Irrespectively from Salmonella Enterica Serovar Typhimurium Challenge

10:40 Coffee Break

10:55 SESSION 9, Chair: H. Tlaskalova – Hogenova, Co-chair: S. Pettersson

KEYNOTE Lecture
H. Tlaskalova – Hogenova: Commensal Gut Bacteria and Development of Chronic Inflammatory and Neoplastic Diseases

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KEYNOTE Lecture
S. Pettersson: The Indigenous Gut Microbiota Modulates Brain Development and Behaviour

J. Budnowski: The Role of Intestinal Bacteria in the Bioactivation of Glucosinolates

L. Ozsvari: The Importance of Maintenance of Healthy Intestinal Bacterial Flora in Farm Animals

12:35 Lunch

13:30 SESSION 10, Chair: N. Boyko, Co-chair: A.G. Haslberger

KEYNOTE Lecture
N. Boyko: Key Microbial Players in Initiating, Developing and Maintaining of the Specific Immune Response in the Mucous Sites: From Theory to Practice

B. Hippe: Quantification of Butyryl-CoA CoA Transferase Genes Reveals Different Butyrate Production Capacity in Individuals of Different Diet and Age

A. G. Haslberger: Changes in Human Fecal Microbiota due to Chemotherapy Analyzed by TaqMan-PCR , PCR-DGGE Fingerprinting and 454 Sequencing

P. Olejníková: The Fecal Microflora of Vegetarians and Non-vegetarians

15:00 Coffee Break

15:15 SESSION 11: Chair: W. Holzapfel, Co-chair: A. Bomba

Z. Krupova: Search for Intestinotrophic Factors in the Intestinal Microbiota of the PRM/Alf mouse, an Animal Model of Intestinal Lengthening

G. D'Auria: Fractioning the Human Gut Microbiome

A. Bergstrom: Influence of the Gut Microbiota on Transcriptional Regulation of Genes Involved in Early Life Development of the Intestinal Mucus Layer

J. Skraban: Comparison of DHPLC and TTGE to Monitor Changes in Faecal Microbiota Composition during C. Difficile Colonization in Infants

16:15 Closing Speech, Farewell drink

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