



INTERNATIONAL PROBIOTIC CONFERENCE

CONFERENCE PROGRAMME

3rd INTERNATIONAL PROBIOTIC CONFERENCE 2008
Probiotics for the 3rd Millenium

4th-7th June 2008, High Tatras, Slovakia

June 4, 2008 Wednesday

- 08:00 **Registration and poster mounting**
17:30 **Sponsor Symposium – Imuna, Merci**
- 18:15 **Workshop 1 – PROBIOTICS IN PEDIATRICS**
Chairman: Raja Žadníková (Czech Republic)
- 20:00 **Welcome Party** with live music

June 5, 2008 Thursday

08:30 **THE CONFERENCE OPENING**

Session 1(part 1): New knowledge in probiotic research

Chairman: Carlos Gil-Turnes (Brazil)

INVITED SPEAKERS

- 09:00 **Wilhelm Holzapfel** (Germany): PROBIOTICS WITHIN THE CONTEXT OF FUNCTIONALITY
09:30 **Koen Venema** (Netherlands): BENEFICIAL MICROBES – HIGHLIGHTS AND FUTURE PERSPECTIVES

ORAL PRESENTATIONS

- 10:00 **Kamini Ramiah** (South Africa): EVALUATION OF THE ADHESIVE PROPERTIES OF THE PROBIOTICS *LACTOBACILLUS PLANTARUM* 423 AND *ENTEROCOCCUS MUNDTII* ST4SA TO RAT INTESTINAL TISSUE
10:15 **Bhushan L. Chaudhari** (India): SEARCH FOR MICROORGANISMS HAVING ABILITY TO PRODUCE FOLIC ACID, VITAMIN B₁₂ AND ACT AS PROBIOTICS
10:30 Discussion
10:45 Coffee break

Session 1(part 2): New knowledge in probiotic research

Chairman: Maria Saarela (Finland)

- 11:00 **Alojz Bomba** (Slovakia): APPLICATION OF GERM-FREE ANIMALS IN PROBIOTIC RESEARCH
11:30 **Helmut K. Mayer** (Austria): IDENTIFICATION OF *BIFIDOBACTERIUM* SPECIES USING ARDRA AND PCR-DDGE
11:45 **Mariya Dimova** (Ukraine): ANTAGONISTIC ACTIVITY OF *LACTOBACILLUS PLANTARUM* UCM B-2705 BACTERIOCIN-LIKE SUBSTANCE TOWARDS OPPORTUNISTIC BACTERIA
12:00 **Dinesh Thapa** (China, Germany): ANTIMUTAGENIC PROPERTY OF EXOPOLYSACCHARIDE-PRODUCING LACTIC ACID BACTERIA
12:15 **Vijendra Mishra** (India): ANTIBIOTIC SUSCEPTIBILITY AND IN VIVO STUDIES OF SELECTED PROBIOTIC STRAINS OF *LACTOBACILLUS CASEI*
12:30 **Sabine Henikl** (Austria): EVALUATION OF POTENTIALLY PROBIOTIC STRAINS WITH THE CELL LINE IPEC-J2
12:45 Discussion
13:00 Lunch
- 14:00 **Sponsor Symposium - Chr. Hansen**
Bente Lund (Denmark): GALLIPRO® - SAME PERFORMANCE IN ENERGY-REDUCED DIETS FOR BROILERS
Inge Knap (Denmark): GERMINATION AND OUTGROWTH OF *BACILLUS SUBTILIS* AND *BACILLUS LICHENIFORMIS* SPORES IN THE GASTROINTESTINAL TRACT OF PIGS
Inge Knap (Denmark): GALLIPRO® (*B. SUBTILIS*) ALTERS AND BACTERIAL COMMUNITY IN THE ILEUM AND ENHANCES GROWTH PERFORMANCE IN BROILER CHICKENS
Jens-Erik Zerrahn (Denmark): IMPACT OF FEEDING PROBIOTICS (BioPlus® 2B) TO LACTATING SOWS ON PREWEANING MORTALITY, REPRODUCTION AND SOW LIFETIME PERFORMANCE

Session 1(part 3): New knowledge in probiotic research

Chairman: Arthur Ouwehand (Finland)

INVITED SPEAKERS

- 14:30 **Lee Yuan Kun** (Singapore): MECHANISMS AND KINETICS OF PROBIOTIC EFFECTS IN LABORATORY STUDIES AND CLINICAL TRIALS
- 15:00 **Nadiya Boyko** (Ukraine, USA): THE MAIN SELF PROTECTING MECHANISMS OF HOST MUCOSAL RESPONSE MAINTAINED BY BENEFIT BACTERIA

ORAL PRESENTATIONS

- 15:30 **Bożena Cukrowska** (Poland, Czech Republic): PROBIOTIC FEATURES OF *LACTOBACILLUS CASEI* AND *PARACASEI* STRAINS: IN VITRO AND IN VIVO ANALYSES
- 15:45 **Alexander G. Haslberger** (Austria): COMBINED PCR-DGGE AND QUANTITATIVE-PCR ANALYSIS FOR THE ASSESSMENT OF THE FAECAL MICROBIOME OF GERIATRIC PATIENTS AND YOUNG VOLUNTEERS FOLLOWING DIFFERENT DIETS
- 16:00 **Rajesh Kumar** (India): MOLECULAR CLONING, SEQUENCE ANALYSIS AND EXPRESSION OF BILE SALT HYDROLASE (*BSH*) GENE FROM POTENTIAL INDIGENOUS PROBIOTIC *LACTOBACILLUS PLANTARUM* ISOLATES OF HUMAN ORIGIN
- 16:15 Discussion
- 16:30 Coffee break

Session 2(part 1): Probiotics in nutrition, prevention and therapy of diseases

Chairman: Einar Ringo (Norway)

INVITED SPEAKERS

- 16:45 **Joseph J. Rafter** (Sweden): PROBIOTIC BACTERIA IN COLON CANCER PREVENTION

ORAL PRESENTATIONS

- 17:15 **Malar Sivaraman** (India): EFFICACY AND SAFETY OF A SYNBIOTIC (BIFILAC™), IN CHILDREN WITH ACUTE ROTAVIRAL DIARRHOEA
- 17:30 **Randy P. Urtula** (Philippines): BACILLUS CLAUSII AN ADJUNCT TREATMENT FOR PEDIATRIC PATIENTS WITH ACUTE NON-BLOODY DIARRHEA: A RANDOMIZED, CONTROLLED CLINICAL TRIAL
- 17:45 Discussion
- 18:15 **Workshop 2 - Functional foods and probiotics**
Chairman: Wilhelm Holzapfel (Germany)
- 20:00 **Dinner**
- 21:00 **Gala evening** with show

June 6, 2008 Friday

Session 2(part 2): Probiotics in nutrition, prevention and therapy of diseases

Chairman: Joseph J. Rafter (Sweden)

INVITED SPEAKERS

08:30 **Einar Ringo** (Norway): LACTIC ACID BACTERIA VS PATHOGENS IN THE DIGESTIVE OF FISH. WHO WILL WIN?

ORAL PRESENTATIONS

09:00 **Yutaka Kanamori** (Japan): 10 YEARS' EXPERIENCE OF SYNBIOTIC THERAPY TO THE PEDIATRIC SURGICAL PATIENTS IN ONE INSTITUTE

09:15 **Raja Žádníková** (Czech Republic): ALLERGY PREVENTION IN INFANTS OF ALLERGIC MOTHERS BY AFTER-BIRTH ORAL COLONIZATION WITH A PROBIOTIC E. COLI STRAIN

09:30 **Sampo Lahtinen** (USA, Finland): PROBIOTIC BACTERIA LACTOBACILLUS ACIDOPHILUS NCFM AND BIFIDOBACTERIUM LACTIS BI-07 IMPROVE SYMPTOMS OF BLOATING IN PATIENTS WITH FUNCTIONAL BOWEL DISORDERS (FBD)

09:45 **Nayra Sh. Mehanna** (Kingdom of Saudi Arabia, Egypt): ROLE OF FERMENTED MILK IN TREATING THE HISTOPATHOLOGICAL AND THE HISTOCHEMICAL CHANGES INDUCED BY THE TOXIC MUTAGEN

10:00 **Taras M. Lyaskovsky** (Ukraine): EFFECT OF PROBIOTIC LACTIC ACID BACTERIA STRAINS ON VIRUS INFECTION

10:15 Discussion

10:30 Coffee break

Session 2 (part 3): Probiotics in nutrition, prevention and therapy of diseases

Chairman: Nadiya Boyko (Ukraine)

ORAL PRESENTATIONS

10:45 **Francesco Canganella** (Italy): PROBIOTIC MICROORGANISMS FOR HUMAN HEALTH ON SPACE

11:00 **Viacheslav Ilyin** (Russia): AUTO-STRAINS LACTOBACILLI BASED PROBIOTICS FOR DISBACTERIOSIS PROPHYLAXIS OF HUMANS IN ARTIFICIAL ENVIRONMENT

11:15 **Manoj Kumar** (India): A PROBIOTIC FERMENTED MILK PREPARED BY MIXED CULTURE COMBINATION REDUCES PATHOGEN SHEDDING AND ALLEVIATES DISEASE SIGNS IN RATS CHALLENGED WITH PATHOGENS

11:30 **Steven R. Rust** (USA): USE OF PROPIONIBACTERIA AS A DIRECT-FED MICROBIAL FOR GROWING-FINISHING BEEF CATTLE

11:45 **Carlos Gil-Turnes** (Brazil): EFFECT OF *SACHAROMYCES BOULARDII* AND *BACILLUS CEREUS* VAR. *TOYOI* ON THE IMMUNE RESPONSE OF SHEEP TO VACCINES

12:00 **Vladimír Zajac** (Slovakia): THE TREATMENT OF HIV/AIDS PATIENTS WITH SPECIFIC PROBIOTICS

12:15 **Formuzul Haque** (Bangladesh): PROBIOTIC PREVENTION OF DIARRHEAL DISEASE

12:30 **Dheeraj Mohania** (India): A PROBIOTIC DAHI CONTAINING *LACTOBACILLUS PLANTARUM* ATTENUATES DIET INDUCED HYPERCHOLESTEROLEMIA AND DEPOSITION OF CHOLESTEROL AND TRIACYLGLYCEROLS IN LIVER AND AORTIC TISSUE OF WISTAR RATS

12:45 Discussion

13:00 Sponsor Symposium – DANONE

Ariane van de Moer (France): RESEARCH AT DANONE RESEARCH: FROM CONCEPTS TO A PROBIOTIC FOOD

13:30 Lunch

15:00 Trip to the Open-air museum of Liptov's village (examination of folk skills, folk ensemble, organ concert, dance course, open-air picnic)
Departure from Grand Hotel Bellevue (by conference bus)

Saturday, June 7, 2008

Session 3(part 1): Technology and safety of probiotics

Chairman: Helena Tlaskalová (Czech Republic)

INVITED SPEAKERS

08:30 **Maria Saarela** (Finland): MAINTAINING PROBIOTIC VIABILITY AND STABILITY THROUGHOUT PRODUCTION STEPS AND IN THE GASTROINTESTINAL TRACT

09:00 **Arthur Ouwehand** (Finland): RECENT PROGRESS IN PRE- AND PROBIOTIC SAFETY

ORAL PRESENTATIONS

09:30 **Ilze Beitane** (Latvia): THE INFLUENCE OF PREBIOTICS ON GROWING AND SURVIVING OF *B.LACTIS* IN MILK

09:45 **Svetoslav D. Todorov** (South Africa): BOZA AS A VECTOR FOR DELIVERY OF PROBIOTIC LACTIC ACID BACTERIA TO THE HOST

10:00 Discussion

10:15 Coffee break

Session 3 (part 2): Technology and safety of probiotics

Chairman: Arthur Ouwehand

ORAL PRESENTATIONS

10:30 **Eryck R. Silva-Hernandez** (México, Canada): DEGRADATION OF INULIN IN TWO DIFFERENT KINDS YOGURT DURING FOURS WEEKS OF STORAGE

10:45 **Tajabady Ebrahimi** (Iran): SELECTION OF *LACTOBACILLUS* STRAINS FROM TRADITIONAL FERMENTED DAIRY PRODUCTS OF LIGHVAN FOR THEIR POTENTIAL USE AS PROBIOTICS

11:00 **Vidya Prabhakar Kodali** (India): EVALUATION OF THERAPEUTIC POTENTIAL OF AN EXOPOLYSACCHARIDE PRODUCED BY A PROBIOTIC BACTERIUM, *BACILLUS COAGULANS* RK-02

11:15 **Ingrid Sumeri** (Estonia): SINGLE BIOREACTOR GASTROINTESTINAL TRACT SIMULATOR FOR STUDY OF SURVIVAL OF PROBIOTIC BACTERIA

11:30 **Joana Mafalda P. O. F. Inácio** (Portugal): FERMENTATION ACTIVITY OF LACTIC ACID BACTERIA ON AN OAT BASED MATRIX: EFFECTS ON BIOAVAILABILITY OF BETA-GLUCAN FIBERS

11:45 **Marice N. Oliveira** (Brazil): VIABILITY OF PROBIOTIC CULTURES IN MILK FERMENTED WITH ASSOCIATED CULTURES OF SELECTED LACTIC ACID BACTERIA

12:00 **Fumiaki Abe** (Japan): KINETIC ANALYSES IN LONG-TERM STABILITY TESTS OF *BIFIDOBACTERIUM* POWDER; EFFECTS OF WATER ACTIVITY AND STORAGE TEMPERATURE ON THE SURVIVAL OF BIFIDOBACTERIA IN POWDER FORM

12:15 **Priyangshu M. Sarma** (India): PROBIOTIC INTERVENTION IN CONTROLLING THE PREVALENCE OF ANTIBIOTIC ASSOCIATED DIARRHEA IN INDIAN SUB-POPULATION

12:30 **Viviana Klose** (Austria): STRAIN SELECTION FOR A SAFE MULTISTRAIN FEED ADDITIVE FOR PIGLETS

12:45 Discussion

13:00 Lunch

Session 3 (part 3): Technology and safety of probiotics

Chairman: Wilhelm Holzapfel

ORAL PRESENTATIONS

- 14:00 **Pavel Kohout** (Czech Republic): ENTERAL NUTRITION AND PROBIOTICS IN ACUTE PANCREATITIS
- 14:15 **Erica Castro** (Chile): EVALUATION OF THE THERAPEUTIC ACTION OF A VAGINAL OVULE THAT CONTAINS A PROBIOTIC STRAIN OF LACTOBACILLUS SPP. COMPARED WITH METRONIDAZOL THERAPY
- 14:30 **Martina Šmehilová** (Czech Republic): THE EFFECT OF LYSOZYME ON BIFIDOBACTERIAL GROWTH
- 14:45 **Alexander Suvorov** (Russia): ANTIBACTERIAL ACTIVITY OF ENTEROCOCCI INDUCED BY SYNTHETIC PHEROMONS
- 15:00 **Andrej Marcin** (Slovakia): IMPACT OF DIETARY ESSENTIAL OILS FROM SAGE AND OREGANO ON THE SELECTED PHYSIOLOGICAL PARAMETERS OF GASTROINTESTINAL TRACT
- 15:15 **Katarzyna Śliżewska** (Poland): PROTECTIVE EFFECT OF PROBIOTIC PREPARATION ON TOXIC INJURY OF LIVER AND KIDNEY IN BROILER CHICKEN FED WITH AFLATOXIN B1
- 15:30 **Silvia Mátéová** (Slovakia): THE EFFECT OF POTENTIATED PROBIOTICS ON PERFORMANCE AND METABOLIC PARAMETERS OF BROILER CHICKENS AND LAYING HENS
- 15:45 Discussion
- 16:00 **DANISCO YOUNG RESEARCHER AWARD**
The award will be given for the best scientific contribution of a scientist under the age of 35 elected by the scientific committee
- 16:15 Coffee break
- 16:30 **Workshop 3: Probiotics in prevention of civilization diseases - proposal for 7th FP EU project**
Chairman: John R. Wallace (United Kingdom)
- 18:00 **Farewell drink** with live music

SOCIAL PROGRAMME

All delegates and accompanying persons are cordially invited to attend the **Welcome party, Gala evening** as well as the **Farewell drink in Hotel Bellevue**. We hope that these special occasions will give everybody the opportunity to meet old friends and make new ones in relaxed and happy atmosphere.

All conference participants and registered accompanying persons are invited to attend the Social programme at **The National Park of High Tatras** in the **Open-air museum of Liptov's village with** examination of folk skills, organ concert and picnic afternoon on Friday, June 6, 2008.

In the vestibule of Hotel Bellevue will be installed the presentation of old Slovak folklore and natural folk medicine.

Facultative trips will be available at registration desk in Hotel Bellevue.