

# V International Symposium on Lactic Acid Bacteria

## Benefitting from Lactic Acid Bacteria Progress in Health and Food

Hilton Garden Inn  
October 19-21 2016. San Miguel de Tucumán  
ARGENTINA

*2016-Bicentennial of the Independence of Argentina*



General Programme\*

V International Symposium on Lactic Acid Bacteria - 2016

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## PROBIOTICS

Wednesday October 19<sup>th</sup>

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8:00-9:00 h. Registration and poster mounting

9:00-9:30 h. **Welcome address by Dr. Fernanda Mozzi** (President V International Symposium on Lactic Acid Bacteria, CERELA; Tucumán, Argentina)

9:30-10:10 h. Lecture 1. **Dr. Catherine Stanton**. Title: To be announced. Teagasc, Cork, Ireland

10:10-10:40 h. Coffee

10:40-11:20 h. Lecture 2. **Dr. Haruki Kitazawa. Immunoregulatory effects of lactic acid bacterial exopolysaccharides: new insights into molecular intestinal epithelial cells.** Tohoku University, Sendai, Japan

11:30-12:00 h. Lecture 3. **Dr. Koen Venema. Mechanistic studies towards the interactions of probiotics with the host.** Maastricht University, The Netherlands

12:00-14:00 h. Lunch

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14:00-14:30 h. Lecture 4. **Dr. Michael Gänzle. Exopolysaccharide production by lactobacilli: a probiotic trait?** University of Alberta, Department of Agricultural, Food and Nutritional Science, Edmonton, AB, Canada

14:30-1600 h. Session S1. **Lactic Acid Bacteria as Probiotics**

1. **Dr. Tomonori. Nochi. The importance of intestinal environment for the development of mammary gland immune system.** Tohoku University, Japan
2. **Dr. Carolina Maldonado Galdeano. Probiotics as adjuvant of the immune system under stress conditions.** CERELA-CONICET, Argentina
3. **Dr. Susana Salva. The role of immunobiotics in granulopoiesis: effect on the resistance against respiratory infections in immunocompromised hosts.** CERELA-CONICET, Argentina
4. **Dr. Cecilia Dogi. Lactic acid bacteria as silage inoculants: improvement of silage fermentation, inhibition of toxicogenic fungi and beneficial properties to the host.** Universidad Nacional de Rio Cuarto, Córdoba, Argentina

5. **Dr. Eloy Argañaraz Martínez. Tailor-made probiotic products for the poultry industry.** Universidad Nacional de Tucumán, Argentina

16:00-17:00 h. Poster viewing- Coffee

17:00-18:00 h. Poster presentation

18:00-18:30 h. **Argentina's Bicentennial Video**

20:00-22:00. Symposium Dinner at the Historical House of Tucumán.

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## **METABOLISM AND FERMENTED FOODS      Thursday October 20<sup>th</sup>**

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9:00-9:40 h. Lecture 5. **Dr. Marie Cristine Champomier Verges. Heme transport and utilization in *Lactobacillus sakei*.** INRA, Jouy-en-Josas, France

9:40-10:20 h. Lecture 6. **Dr. Monique Zagorec. Microbial communities of poultry meat and their behavior during storage.** ONIRIS, Nantes, France

10:20-10:50 h. Coffee

10:50-11:30 h. Lecture 7. **Dr. Frédéric Leroy. Bacterial functionalities for improved fermentation processes.** VUB, Belgium.

11:30-12:00. Lecture 8. **Dr. Marco Gobbetti. The ecological and functional features of sourdough lactic acid bacteria.** University of Bari Aldo Moro, Italy

12:00-14:00 h. Lunch

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14:00-14:30 h. **Speaker To Be Announced. Fermented Foods.** Christian Hansen Argentina

14:30-16:10 h. Session S2. **Metabolism and Food Applications**

1. **Dr. Elizabeth Tymczynsyn. Protectant effect of sugars on preservation of lactic acid bacteria.** Universidad Nacional de Quilmes, Argentina

2. **Dr. Micaela Pescuma. Biotransformation of selenium by lactic acid bacteria.** CERELA-CONICET, Argentina.

3. **Dr. Claudia Abeijón. Esterases of lactic acid bacteria: their contribution to the development of functional foods.** CERELA-CONICET, Argentina

4. **Dr. Luciana Gerez.** Title: To be announced. CERELA-CONICET, Argentina

16:10-17:00 h. Poster viewing-Coffee

17:00-18:30 h. Poster presentation

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## OMICS AND MOLECULAR ASPECTS

Friday October 21<sup>st</sup>

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9:00-9:40 h. Lecture 9. **Dr. Sylvain Moineau. CRISPR-Cas systems: from humble beginnings to today's headlines.** Université Laval, Quebec, Canada

9:40-10:10 h. Lecture 10. **Dr. M. Andrea Azcarate-Peril. The future is here: Current and emerging technologies for gut microbiome research.** University of North Carolina, Chapel Hill, USA

10:10-10:40 h. Poster viewing-Coffee

10:40-11:10 h. Lecture 11. **Dr. Stephane Chaillou. Pangenomic analysis of the four species within the *Lactobacillus sakei* phylogenetic clade.** Micalis Institute, INRA, Université Paris-Saclay, France

11:10-11:40 h. Lecture 12. **Dr. Marcus Lechner. 6S RNA - Global regulator of cellular transcripts.** Marburg University, Marburg, Germany

11:40-12:30 Poster Presentations

12:30-14:00 h. Lunch

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14:30-15:00. Lecture 13. **Dr. Beatriz Martínez. Bacteriocins from lactic acid bacteria: lactococcin 972 breaks the rule.** IPLA-CSIC- Villaviciosa, Spain

15:00-15:30 h. Coffee break

15:30-17:00 Session S3. **Molecular Aspects of Lactic Acid Bacteria**

1. **Dr. Víctor Blancato. Citrate metabolism is a diverse and highly regulated trait in lactic acid bacteria.** IBR-Rosario, Argentina
2. **Dr. Mariana Piuri. Functional and structural characterization of the host recognition apparatus of *Lactobacillus casei* phage J-1.** Universidad de Buenos Aires, Argentina

3. **Dr. Elvira M. Hebert. A molecular insight into the proteolytic system of *Lactobacillus delbrueckii* subsp. *lactis*.** CERELA-CONICET, Argentina
4. **Dr. Diego Mercanti. Phages infecting probiotic *Lactobacillus* strains: genomic diversity and developing of tools for their rapid identification.** INLAIN-Santa Fe, Argentina

17:00 **Closing remarks by Dr. Lucila Saavedra (Secretary).** Award ceremony to best oral and poster presentations.

*\* Lectures of foreign invited speakers will be given in English and no translation will be available. English will be the language of all presentation slides.*