



XVII INTERNATIONAL CONFERENCE ON LACTOFERRIN.  
STRUCTURE, FUNCTION & APPLICATIONS.



## Program Day 1

Sunday, November 9<sup>th</sup>, 2025

**13:00 - 14:30**    **Lunch Time**

**15:00 - 16:00**    **Registration and Poster Setup**  
(Room “Reino de Aragón”)  
Displaying Sponsors´s Videos

**16:00 - 17:00**    **Opening** (Room “El Cid”)  
President and Organizing committee

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**Plenary** (Room “El Cid”)  
**Moderators: LEÓN-SICAIROS Nidia & WANG Bing**

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**17:15 - 18:00**    Insights in human breastmilk,  
Lactoferrin and host-defense  
peptides    **VOGEL Hans**  
(Canada, on-site)

**18:00 - 18:30**    Lactoferrin as Food or Drug: A  
Cluster Analysis of the Literature  
since 2015    **WANG Jianhua**  
(China, on-site)

**18:30 - 22:30**    **Welcome Party**

**22:30 - 01:00**    **After Party (Optional)**  
(Lobby Bar Hotel “El Cid Castilla”)  
Displaying Sponsors´s Videos



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## Program Day 2

### SESSION I. LACTOFERRIN FUNCTIONS FROM IN VITRO TO IN VIVO STUDIES: NOVEL USES.

Moderators: PIÑA VELÁZQUEZ Carolina & VOGEL Hans

*All presentations include 5 min for Questions and Answers.*

*\*Talks are presented by a PhD, MSc students\*, or Junior Faculty\*\*  
competing for Genevieve Spik Awards and a New Prize that will be  
announced during the Gala Dinner.*

Monday, November 10<sup>th</sup>, 2025

07:00 - 09:00	<b>Breakfast</b> Displaying Sponsors ´s Videos and Lectures from day 09	
09:00 - 09:30	Targeting Anemia in Geriatric Patients: The Role of Lactoferrin	<b>VALENTI Piera</b> (Italy, On-line)
09:30 - 10:00	Sialic acid as a key determinant of lactoferrin ´s biological functions	<b>CUTONE Antimo</b> (Italy, On-site)
10:00 - 10:20	Role of Cellular Sialic Acids on Lactoferrin Anticancer Activity	<b>NIRO Antonella</b> (Italy, On-site) <b>*Award</b>
10:20 - 10:40	Lactoferricin and Pirfenidone as components of new PDMS modified surfaces; an experimental focus on the biological activity	<b>ROSEANU Anca</b> (Romania, On-line)
10:40 - 11:00	The development and commercialization of recombinant dairy proteins	<b>MILLER Irina</b> (New Zealand, On-line)
11:00 - 11:30	<b>Coffee Break</b> (Room "Reino de Aragón") Sponsors Exhibitions Displaying Sponsors ´s Videos	



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## Program Day 2

Monday, November 10<sup>th</sup>, 2025

### SESSION II. LACTOFERRIN FUNCTIONS FROM IN VITRO TO IN VIVO STUDIES: NOVEL USES

Moderators: **CUTONE Antimo, FLORES-VILLASEÑOR Héctor &  
WANG Jianhua**

<b>12:00 - 12:20</b>	Clinical and in vitro microbiological impact of Metrodora Therapeutics low-iron bovine lactoferrin (MTbLF) in bacterial vaginosis	<b>GELBFISH Gary</b> (USA, On-Site)
<b>12:20 - 12:40</b>	Bovine holo-lactoferrin inhibits the growth of mammary tumors and metastasis induced by bisphenol-A	<b>VALENZUELA-ECHEVERRIA Rina</b> (Mexico, On-site) <b>*Award</b>
<b>12:40 - 13:00</b>	Lactoferrin China (2010-2025): A Synergistic Analysis of Bibliometrics and Industry Standards	<b>LI Xuan</b> (China, On-line) <b>*Award</b>
<b>13:00 - 15:00</b>	<b>Lunch Time</b> Displaying Sponsors ´s Videos	
<b>15:00 - 15:20</b>	Develop innovative methods for optimising bovine milk lactoferrin production using an ion exchange process	<b>RAVINDRAN Jaishree</b> (Australia, On-site) <b>*Award</b>
<b>15:20 - 15:40</b>	Dual-Targeting Bioactive Peptides from Camel Lactoferrin: A Novel Natural Strategy to Combat Obesity by Simultaneously Inhibiting FTO Enzyme and Modulating Its Genomic Regulatory Landscape	<b>MEBARKI Abdelouhab</b> (Algeria, On-line)



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## Program Day 2

### SESSION III. LACTOFERRIN AND INFECTIOUS DISEASES

Moderators: **OCHOA Theresa, CHAN Clement & DRAGO Elisa**

Monday, November 10<sup>th</sup>, 2025

<b>15:40 - 16:10</b>	Iron Acquisition at the Host–Pathogen Interface: Bacterial Transferrin and Lactoferrin Receptors as Vaccine Targets	<b>CHAN Clement</b> (Canada, On-site) <b>**Award</b>
<b>16:10 - 16:40</b>	The role of lactoferrin's protease and immunomodulatory activity in combating pathogenic E. coli infections.	<b>DEVRIENDT Bert</b> (Belgium, On-site)
<b>16:40 - 17:00</b>	Lactoferrin inhibits a zinc-dependent collagenase secreted by Mannheimia	<b>RAMIREZ-RICO Gerardo</b> (Mexico, On-site) <b>**Award</b>
<b>17:00 - 17:20</b>	Proteomic analysis of Mannheimia haemolytica A2 outer membrane vesicles in the presence of Lactoferrin	<b>AVALOS-GÓMEZ Christian</b> (Mexico, On-site) <b>**Award</b>
<b>17:20 - 17:40</b>	Dual Protective Mechanism of Bovine Lactoferrin and Derived Peptides Against Cyclomodulins-harboring Escherichia coli: Bactericidal Activity and Inhibition of Epithelial Cell Adhesion	<b>CERVANTES-OSUNA Ana R.</b> (Mexico, On-site) <b>*Award</b>
<b>17:40 - 18:00</b>	Docking analysis shows interaction between lactoferrin and the alpha-1 giardin adhesin of Giardia duodenalis	<b>LEÓN-BELTRAN Jesús Gabriel</b> (Mexico, On-site) <b>*Award</b>
<b>18:00 - 18:20</b>	Model based process optimisation of an industrial chromatographic process for separation of lactoferrin from bovine milk	<b>GERSTWEILER Lukas</b> (Australia, On-line)
<b>18:30 - 19:30</b>	<b>Posters sessions</b> (Refreshments, Room El Cid)	
<b>20:00 - 23:00</b>	<b>Dinner</b> Displaying Sponsors´s Videos and Lectures from day 10	
<b>23:00 - 01:00</b>	<b>After Party (Optional)</b> Lobby bar Displaying Sponsors´s Videos and Lectures from day 10	



## Program Day 3

### SESSION IV. LACTOFERRIN AND ITS IMMUNOMODULATING ACTIVITY

Moderators: **SANCHEZ-Lourdes** & **OTSUKI Katsufumi**

Tuesday, November 11<sup>th</sup>, 2025

<b>07:00 - 09:00</b>	<b>Breakfast</b> Displaying Sponsors 's Videos and Lectures from day 10	
<b>09:00 - 09:20</b>	The effect of bovine lactoferrin on mononuclear cells in human palatine tonsils	<b>YAGO Takumi</b> (Japan, On-site)
<b>09:20 - 09:40</b>	From Structure to Function: Does Glycosylation Shape Lactoferrin's Therapeutic Potential?	<b>IGLESIAS-FIGUEROA Blanca</b> (Mexico, On-site) <b>**Award</b>
<b>09:40 - 10:00</b>	Interaction between plasma lactoferrin, dietary components, and gut microbiota in pediatric metabolic syndrome: a multi-omics study	<b>BENÍTEZ-BÁEZ Miriam J.</b> (Mexico, On-site) <b>*Award</b>



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## Program Day 3

### SESSION V. LACTOFERRIN: CELL PROLIFERATION, DIFFERENTIATION AND NEURODEVELOPMENT

Moderators: **VELAZQUEZ-ROMAN Jorge A.** & **VASILYEV Vadim**

Tuesday, November 11<sup>th</sup>, 2025

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|----------------------|---|---|
| <b>10:00 - 10:30</b> | Recombinant human apo-lactoferrin affects viability, mitotic activity, and epigenomic status of IMR-32  | <b>VASILYEV Vadim</b> (Russia, On-site)                     |
| <b>10:30 - 11:00</b> | Molecular Deciphering of Iron-Binding and Sialylation in Lactoferrin During Lactation: Differential Effects on Offspring Neurodevelopment and Cognition | <b>BING Wang</b> (Australia, On-site)                       |
| <b>11:00 - 11:30</b> | <b>Coffee Break</b> (Room El Cid)<br>Sponsors Exhibitions<br>Displaying Sponsors´s Videos   |   |
| <b>11:30 - 11:50</b> | Lactoferrin effects in a rotenonemodel of Parkinson's Disease   | <b>IANIRO Giusi</b> (Italy, On-site)<br><b>**Award</b>      |
| <b>11:50 - 12:10</b> | The Impact of Liposomal Lactoferrin and Lactoferrin Powder on Oxidative Stress in Vitro Using Melanoma Cell Culture Models                              | <b>APONKUS Mantas</b> (Lithuania, On-line)<br><b>*Award</b> |



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## Program Day 3

### SESSION VI. LACTOFERRIN AND ITS PEPTIDES: CHARACTERIZATION AND CONTROL QUALITY

Moderators: KAUFMAN David & DEVRIENDT Bert

Tuesday, November 11<sup>th</sup>, 2025

<b>12:10 - 12:40</b>	Impact of Conventional and Novel Processing Technologies on Lactoferrin Bioactivity	<b>SANCHEZ Lourdes</b> (Spain, On-Site)
<b>12:40 - 13:00</b>	The Two Faces of Bovine Lactoferrin: Friend and Foe	<b>JUAREZ-PEREZ Victor</b> (France, On-Line)
<b>13:00 - 13:20</b>	Lactoferrin across scales: synthesis, structure, interactions and applications	<b>POMASTOWSKI Pawel</b> (Poland, On-site)
<b>13:20 - 15:00</b>	<b>Lunch Time</b>	
<b>15:00 - 15:20</b>	Determinants of lactoferrin concentration in human milk: evidence from three Peruvian regions	<b>RODRIGUEZ-ANGELES Yamile</b> (Peru, On-site) <b>*Award</b>
<b>15:20 - 15:40</b>	Lactoferrin Concentration in Human Milk During the First Postpartum Year in Northern Lima, Peru	<b>RIVERA-FERNÁNDEZ Edison</b> (Peru, On-site) <b>*Award</b>
<b>15:40 - 16:00</b>	Genetic engineering expression technology for the preparation of recombinant Lactoferrin	<b>DENG Mengyin</b> (China, On-line) <b>*Award</b>



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## Program Day 3

Tuesday, November 11<sup>th</sup>, 2025

### Workshop “OPPORTUNITIES IN LACTOFERRIN APPLICATIONS IN INFANT FORMULA AND PRODUCTS FOR HUMAN AND ANIMAL HEALTH”

- |                      |  |   |
|----------------------|--|---|
| <b>16:00 - 16:30</b> | Lactoferrin in breast milk: evidence of its protective effect  | <b>OCHOA Teresa</b><br>(Peru, On-site)      |
| <b>16:30 - 17:00</b> | Lactoferrin and the Developing Brain: Implications for dosing and delivery   | <b>KAUFMAN David</b><br>(USA, On-site)      |
| <b>17:00 - 17:30</b> | An overview of what Lactoferrin can do to improve the quality of life for women and children   | <b>OTSUKI Katsufumi</b><br>(Japan, On-site) |
| <b>17:30 - 18:00</b> | Nutritional Significance of Milk Lactoferrin in Infant formula and Health  | <b>BING Wang</b><br>(Australia, On-site)    |
| <b>18:30 - 20:00</b> | <b>Posters sessions</b> (Reception, Room El Cid)<br>Sponsors Exhibitions   |   |
| <b>20:00 - 23:00</b> | <b>Dinner</b> (Restaurante El Alcazar, Italian, A la carte dinner)<br>Displaying Sponsors' s videos and Lectures from day 10                                       |   |
| <b>23:00 - 01:00</b> | <b>After Party (Optional)</b> (Lobby Bar Hotel “El Cid Castilla”)<br>Displaying Sponsors' s videos and Lectures from day 10<br>(Lobby Bar Hotel “El Cid Castilla”) |   |



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Wednesday, November 12<sup>th</sup>, 2025

## Program Day 4

- 07:00 - 09:00**      **Breakfast**  
Displaying Sponsors´ s videos and Lectures from day 11
- 09:00 - 16:00**      **Tour Stone Island Sponsored by Secretariat of Tourism** (09 am-16 pm)  
**City Historical Tour or Aquarium**  
(Departure from Lobby of Hotel “El Cid Castilla”)
- 14:00 - 16:00**      **Scientific Committee Meeting**
- 16:00 - 18:00**      **Lunch Time**
- 20:00 - 24:00**      **Gala Dinner** (Restaurant “La Concha y La Terraza”)  
**Students Ceremony: 20:00-21:30**  
**Genieve Spink & Prof. Dr. Bo Lonnerdal Awards**  
*Live transmission*
- 24:00 - 01:00**      **After Party (Optional)**  
(Lobby Bar Hotel “El Cid Castilla”)  
Displaying Sponsors´ s videos and Lectures from day 12



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## Program Day 5

### SESSION VII. LACTOFERRIN: MOLECULAR PHARMING

**Moderator: VASILYEV Vadim**

Thursday, November 13<sup>th</sup>, 2025

**07:00 - 09:00**

#### **Breakfast**

**09:00 - 09:30**

Exploring Lactoferrin's Multifaceted potential:  
Targeting Tumoral Cells, Combating  
Antibiotics, Resistant Pathogens and  
Modulating Virulence Factors

**09:30 - 10:00**

Nutritional benefits of effera™  
(heqLFa)

**10:00 - 10:20**

Production and characterization of  
precision fermented Bovine  
Lactoferrin

**10:20 - 10:40**

Safety study roadmap for GRAS of  
effera (TM) (heqLFa)

**10:40 - 11:00**

Structural and Mechanistic Insights  
into the Role of the Interlobe Peptide  
of Lactoferrin

**11:00 - 11:30**

**Coffee Break**  
(Room El Cid)

**11:30 - 12:00**

#### **Closing remarks**

(International Scientific Committee)

**Announcement of the XVIII International Conference in  
Lactoferrin, Structure, functions and applications (Chair,  
Venue and Local Organizing Committee)**

**LEÓN-**

**SICAIROS Nidia**

(Mexico, On-  
site)

**CLARK**

**Anthony**

(USA, On-Site)

**RAYNES Jared**

(Australia, On-site)

**CLARK Anthony**

(USA, On-site)

**SHERRY Dean**

(South Africa,  
On-line)