

# Monday, 23 September 2019

09:00 – 09:15	Opening	Natalia Wagemans
<b>Session I</b>	<b>Immunology of Milk and Lactation</b>	<b>Pearay L. Ogra (Chair)</b>
09:15 – 10:00	Evolution of Lactation in the Mammalian Species	Olav T. Oftedal
10:00 – 10:30	Overview	Pearay L. Ogra
10:30 – 11:15	<i>Break</i>	
11:15 – 12:15	Common Mucosal Immune System and the Mammary Gland Axis	Jiri Mestecky
12:15 – 13:15	<i>Break</i>	
13:15 – 14:15	The Immunomodulating Components of Human Colostrum and Milk	Helena Tlaskalova
14:15 – 15:15	Innate Immunity, Infection and Breastmilk	Ken Rosenthal
15:15 – 15:45	<i>Break</i>	
15:45 – 16:45	Influence of Breastfeeding on Immune Trajectory and Long-term Immune Health	Valerie Verhasselt

Tuesday, 24 September 2019

**Session II**

**Microbiology of Milk and Lactation: Influence on Gut Colonization**

**Allan Walker (Chair)**

09:00 – 10:00

Milk Microbiome and Neonatal Colonization: An Overview

Samuli Rautava

10:00 – 10:30

*Break*

10:30 – 11:30

Milk Microbiota: Origin and Potential Uses

Juan Rodriguez

11:30 – 12:30

Milk Virome, Phage, and Other Life Forms

Pia S. Pannaraj

12:30 – 13:30

*Break*

13:30 – 14:30

Gut Microbiota: Host Gene Expression and Cell Traffic via Milk

Josef Neu

14:30 – 15:00

*Break*

15:00 – 16:00

Breastmilk and the Colonization of the Premature Infant

Allan Walker

Wednesday, 25 September 2019

**Session III**

**Protective Factors in Human Milk**

**Bo Lönnerdal (Chair)**

08:00 – 09:00

Milk Oligosaccharides: Structure and Function

Lars Bode

09:00 – 10:00

Oligosaccharides and Viral Functions

Franz Hanisch

10:00 – 10:30

*Break*

10:30 – 11:30

Milk Fat Globules: Effects on Microbiome, Metabolome and Infections in Infants and Children

Olle Hernell

11:30 – 12:30

Clinical Trials of Lactoferrin in the Newborn: Effects on Infection and the Gut Microbiome

Nick Embleton

12:30 – 13:15

*Break*

13:15 – 14:15

Effects of Milk Osteopontin on Intestinal, Neurodevelopment and Innate Immunity

Bo Lönnerdal

14:15 – 15:15

Effects of Milk Antibodies and Other Proteins on the Commensal Flora

Vanessa Dunne-Castagna

15:15 – 15:45

Closing of the Workshop

All Chairs