

# 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 – 09:30	Dedication to Lars A Hanson	Pearay L. Ogra
09:30 – 10:30	Key Note Lecture: The Evolution of Lactation in Mammalian Species	Olav T. Oftedal
10:30 – 11:00	<i>Break</i>	
11:00 – 12:00	Immunology of Milk and Lactation: Historical Overview	Pearay L. Ogra
12:00 – 13:00	<i>Break</i>	
13:00 – 14:00	Common Mucosal Immune System	Jiri Mestecky
14:00 – 15:00	Immunomodulatory Components of Human Colostrum and Milk	Helena Tlaskakova-Hogenova
15:00 – 15:30	<i>Break</i>	
15:30 – 16:30	Influence of Breastfeeding on Immune Trajectory and long-term Immune Health	Valerie Verhasselt
16:30 – 17:30	Milk and Immune Competence in Prevention of Allergy and Infections	Carine Blanchard

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**

Human Milk Virome

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 Microbiota in Protection from NEC in Prematures

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 Infections: Milk Oligosaccharides versus algal Fucan-Polysaccharides

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 Intestine, Neuro development 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