



ISRHML
The International Society
for Research in Human
Milk and Lactation

International Society for Research in Human Milk and Lactation

19th International Conference

*“Protecting, Promoting and Supporting
Breastfeeding from Biology to Policy”*



October 7-11, 2018

Shonan Village Convention Center, Kanagawa, Japan

Table of Contents

	Page Number
<hr/>	
Program of Sessions and Speakers	
October 7, 2018 - Workshops	3
October 8, 2018 – Sessions 1, 2 and 3	4-5
October 9, 2018 - Sessions 4 and 5	6-7
October 10, 2018 - Session 6	8
October 11, 2018 - Sessions 7 and 8	9
<hr/>	
Poster Sessions	
October 7, 2018 - Poster Session 1	
<i>P1-P7: Global Human Milk Studies</i>	
<i>P8-P15: Policy and Scaling Up IYCF Programs</i>	
<i>P9-P25: Breastfeeding Behavior and Prevalence</i>	
<i>P26-P35: Breastfeeding Education and Tools</i>	
October 8, 2018 - Poster Session 2	
<i>P36-P46: O'mic Approaches to Human Milk and Infant Outcomes</i>	
<i>P47-P60: Human Milk and Lactation Research in Asia</i>	
<i>P61: Breastfeeding Policy</i>	
<i>P62-P71: Breastmilk Volume, Pumping and Shields</i>	
<i>P72-P85: HM Composition, HMO and HM Microbiome</i>	
October 9, 2018 - Poster Session 3	
<i>P86-P98: Maternal Nutrition on Human Milk and Infant Outcomes</i>	
<i>P99-P105: Breastfeeding and Maternal Health</i>	
<i>P106-P115: Human Milk Banking</i>	
<i>P116-P129: Clinical and Preterm Infants</i>	
<i>P130-P131: Allergy and Tolerance</i>	
<hr/>	

Program

October 7, 2018 – Workshops

Workshop 1: Trials and Tribulations of “Truly” Evidence-Based Policy

Chairs: Laurence Grummer-Strawn (WHO) and Rafael Perez-Escamilla (Yale University)

Time	Abstract	Speaker and Affiliation	Title of Presentation
8:30-9h	W1	Cria Perrine , Centers for Disease Control and Prevention (CDC)	Case-Studies on Developing Breastfeeding Policy at the Centers for Disease Control and Prevention
9-9:30h	W2	Tomoko Seo , Academy of Breastfeeding Medicine	Development of Clinical Protocols at the Academy of Breastfeeding Medicine: A Case-Study
9:30-10h	W3	Laurence Grummer-Strawn , World Health Organization (WHO)	Case-Studies on Developing Breastfeeding Policy at the World Health Organization
10-12h		All attendees	Group Exercise

Workshop 2: Best Practices for Conducting Human Milk Studies Globally

Chairs: Sharon Donovan (University of Illinois, Urbana-Champaign) and Janet Williams (University of Idaho) in morning and Kimberly Lackey (Washington State University) in the afternoon

Time	Abstract	Speaker and Affiliation	Title of Presentation
8:30-9h	W4	Kelli Casavale , US FDA	U.S. Federal Efforts to Advance Knowledge on Human Milk Composition
9-9:30h	W5	Michelle (Shelley) McGuire , University of Idaho	The INSPIRE Project
9:30-10h	W6	Lindsay Allen , University of California, Davis	Mothers, Infants and Lactation Quality (MILQ) project
10-10:30h	W7	Ardythe Morrow , University of California, Davis	Global Exploration of Human Milk (GEHM) Study
10:30-12h		All attendees	Group Exercise

Each workshop will be repeated in the afternoon for attendees wanting to attend both workshops

15-16h	Free Time
16-17h	Poster Session 1 (P-1 through P-35)
17-19h	Opening Reception

October 8, 2018

Session 1: Opening Remarks and Keynote Lecture by 2018 Macy-György Prize Winner

Chairs: Sharon Donovan (University of Illinois, Urbana-Champaign) and Katsumi Mizuno (Showa University)

Time	Abstract	Speaker and Affiliation	Title of Presentation
8:30-8:45h		Sharon Donovan , University of Illinois, Urbana-Champaign	Welcome
8:45-8:50		Donna Geddes , University of Western Australia	Introduction of 2018 MG Award Winner
8:50-9:30h	K1	Ann Prentice , MRC Elsie Widdowson Laboratory, Cambridge, UK and MRC Unit The Gambia at the London School of Hygiene and Tropical Medicine, The Gambia.	The Rewards of Cross-Cultural Research into Human Milk and Lactation
9:30-10h	Coffee/Tea Break and Visit Exhibits		

Session 2: Highlights of Human Milk and Lactation Research in Asia

Chairs: Wei Wei Pang (National University of Singapore); Keiko Nanishi (University of Tokyo)

Time	Abstract	Speaker and Affiliation	Title of Presentation
10-10:30h	O1	Sunhea Choi , University of Southampton, UK	Can Digital Tools Promote Competence and Success of Breastfeeding Promotion?
10:30-11h	O2	Katsumi Mizuno , Showa University of Medicine	Highlights of Human Milk and Lactation Research in Japan
11-11:30h	O3	Bee Koon Poh , Universiti Kebangsaan Malaysia	Nutritional Deficits in Malayan Infants and Toddlers – Implications for Breastfeeding Policy
11:30-11:55h	O4	Mao Meng , West China Second University Hospital, Sichuan University	Lead the Trend: The 1 st Evidence-Based Guideline for Breastfeeding Promotion Strategy in China
11:55-12:10h	O5	Kazue Nakamura , Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences	Exclusive Breastfeeding Possibly Reduces the Adverse Effect of Late Preterm Birth on Gastrointestinal Infection
12:15-13:30h	Lunch		

Session 3: O'mic Approaches to Human Milk and Infant Outcomes

Chairs: Mark McGuire (University of Idaho) and Alexandra George (University of Western Australia)

Time	Abstract	Speaker and Affiliation	Title of Presentation
13:30-14h	O-6	Janet Williams , University of Idaho	What's Normal? Global Variation in Human Milk Microbiome and Other Related Factors
14-14:30h	O-7	Lars Bode , University of California, Davis	Human Milk Oligosaccharides: Maternal Modifiers and Infant Outcomes
14:30-15h	O-8	Carolyn Slupsky , University of California, Davis	Impact of Diet on the Infant Metabolome, Microbiome and Immune Development
15-15:30h	O-9	Donna Geddes , University of Western Australia	Immune Components in Human Milk are Associated with Early Infant Immunological Health Outcomes: A Prospective Three-Country Analysis
15:30-15:45	O-10	Kirsi Jarvinen-Seppo , University of Rochester School of Medicine	Multi-Component Characterization of Breastmilk "Glycotypes" in Populations at High-or Low-Risk for Allergic Diseases.
15:45-16h	O-11	Wei Wei Pang , National University of Singapore	Nutrients or Nursing? Understanding How Breastmilk Feeding Affects Child Cognition
16h-16:15	O-12	Courtney Meehan , Washington State University	Environmental, Society and Behavioral Characteristics and the Human Milk Microbiome
16:15-16:30h	O-13	Melanie Larsson , University of Copenhagen	Human Milk Oligosaccharides (HMOs) and Excessive Weight Gain in Exclusively Breastfed Infants
16:30-17:30h	Free Time and Visit Exhibits		
17:30-18:30h	Dinner		
18:30-20:30h	Poster Session 2 (P-36 through P-85)		

October 9, 2018

8:30-9h	Group Photo
---------	--------------------

Session 4: Maternal Nutrition, Breastmilk Composition, and Infant Nutritional Status

Chairs: Bert Koletzko (University of Munch) and Klara Strydom (Stellenbosch University)

Time	Abstract	Speaker and Affiliation	Title of Presentation
9-9:30h	O-15	Lindsay Allen , University of California, Davis	The Impact of Maternal Vitamin Deficiencies and Supplementation on Breast Milk Levels and Infant Vitamin Status
9:30-10h	O-16	Kay Dewey , University of California, Davis	Effects of Maternal Supplementation with Small-Quantity Lipid-based Nutrient Supplements on Breastmilk Composition and Infant Outcomes
10-10:30h	Coffee/Tea Break and Visit Exhibits		
10:30-11:00h	O-17	Meghan Azad , University of Manitoba and Katie Hinde , Arizona State University	More Milk for Daughters? Sex Differentiated Breastfeeding in Two Birth Cohorts
11:00-11:15h	O-18	Narul Husna (trainee) , Universiti Putra Malaysia	The Influence of Relaxation Therapy on Breastmilk Hormones and Macronutrient Content: A Randomized Controlled Trial
11:15-11:30h	O-19	Carol Wagner , Medical College of South Carolina	Maternal Vitamin D (VITD) Status Affects Hepatitis B Vaccine (HBV) Response in Breastfeeding Infants.
11:30-11:45h	O-20	Panateao Nazeri , Tehran University of Medical Sciences, Iran	Lactating Mothers and Infants Residing in an Area with an Effective Salt Iodination Program have No Need for Iodine Supplements: Results from a Double-Blind, Placebo-Controlled Randomized Clinical Trial
12-13:30h	Lunch and Membership meeting		

Session 5: Breastfeeding and Maternal Health

Chairs: Kathy Rasmussen (Cornell University) and TBD

Time	Abstract	Speaker and Affiliation	Title of Presentation
-------------	-----------------	--------------------------------	------------------------------

13:30-14h	O-21	Ranadip Chowdhury, Society for Applied Studies, New Delhi, India	Breastfeeding and Maternal Health Outcomes
14-14:30h	O-22	Teresita Gonzales de Cosio, Universidad Iberoamericana, Mexico	The Burden of Suboptimal Breastfeeding in Mexico: Maternal Health Outcomes and Costs
14:30-15h	O-23	Susan Jordan, QIMR Berghofer Medical Research Institute, Brisbane	Breastfeeding and Endometrial Cancer
15-15:15h	O-24	Julie Smith, Australian National University	Maternal Time and Nurturing Care: Associations Between Breastfeeding Practice, Time Spent Interaction with Baby and Sleep
15:15-15:30h	O-25	Lindsay Ellsworth (trainee), University of Michigan	Characterization of Human Milk MicroRNAs In Maternal Metabolic Disease
15:30-15:45h	O-26	Marina Aparicio (trainee), Complutense University of Madrid, Spain	Is Maternal Postnatal Psychological Distress Related to Milk Cortisol and Immune Components in Breastmilk?

15:45-17:30h **Free Time, Visit Exhibits**

17:30-18:30h **Dinner**

18:30-20:30h **Poster Session 3 (P-86 through P-131)**

October 10, 2018

Session 6: Human Milk Banking in the 21st Century

Chairs: Katsumi Mizuno MD, PhD (Showa University) and Elsa Giugliani, MD (Universidade Federal do Rio Grande do Sul, Brazil)

Time	Abstract	Speaker and Affiliation	Title of Presentation
9-9:30h	O-27	Rebecca Hoban , University of Toronto	Factors affecting milk production and composition by mothers delivering preterm
9:30-10h	O-28	Paula Meier , Rush University Medical Center, Chicago	Mother's Own Milk (MOM) vs. Donor Human Milk (DMH) on Infant Outcomes and Economic Analysis,
10-10:30h	O-29	Deborah O'Connor , University of Toronto	Human milk fortifiers: What milk is being fortified, when and with what?
10:30-11h	O-01	Kimberly Mansen PATH	Effects of Maternal Supplementation with Small-Quantity Lipid-based Nutrient Supplements on Breastmilk Composition and Infant Outcomes
11-11:15h	O-31	Sarah Taylor , Yale University	Sustaining Preterm Infant Feeding Mother's Milk Post-hospital Discharge: An Effectiveness-Implementation Hybrid Trial.
11:15-11:30h	O-32	Patoula Panagos , Rush University Medical Center, Chicago	Baby or Pump: A Quality Improvement (QI) Project to Decrease Time to Pumping Initiation in Mothers of VLBW Infants.
11:30-12h	Lunch		
12-17:30h	Tour of Kamakura		
17:30-19h	Gala Dinner		

October 11, 2018

Session 7: ISRHML and Family-Larsson Rosenquist Foundation (FLRF) Trainee Expansion Program

Chair: Lars Bode (University of California, San Diego)

Time	Abstract	Speaker and Affiliation	Title of Presentation
8:30-8:45h		Katharina Lichtner , FLRF	Overview of the FLRF and Trainee Expansion Program
8:45-9:05h	O-33	Alecia-Jane Twigger , Helmholtz Center Munich	Understanding Human Mammary Gland Maturation and Milk Production on a Single Cell Level
9:05-9:25h	O-34	James Butcher , University of Ottawa and University of Toronto	Characterizing the Breastmilk Microbiome with Culture-Enriched Molecular Profiling
9:25-9:45h	O-35	Kassandra Harding , Yale University and University of Ghana	Evaluation of the Breastfeed4Ghana Social Media Campaign
9:45-10h		Katharina Lichtner , FLRF	FLRF Future Vision

Session 8: Scaling up Infant and Young Child Feeding (IYCF) Programs Globally: The Role of Complex Adaptive Systems Frameworks

Chairs: Nathan Nickel (University of Manitoba) and Gabriela Buccini (Yale University)

Time	Abstract	Speaker and Affiliation	Title of Presentation
10-10:30h	O-36	Rafael Perez-Escamilla , Yale University	Scaling Up Breastfeeding Programs in a Complex Adaptive World: The Becoming Breastfeeding Friendly Initiative
10:30-11h	O-37	Anne Merewood , Boston University	Scaling Up Down South: Moving Mississippi Along the Baby-Friendly Pathway
11-11:30h	O-38	Cara Safon , Yale University	Application of a Stakeholder Mapping Tool to Improve the Infant and Young Child Feeding (IYCF) Policy Environment
11:30-11:45h	O-39	Richmond Aryeetey , University of Ghana	Stakeholder Network and Influence Mapping of Breastfeeding in Ghana
11:45-12:00h	O-40	Sanjeeva Godakandage , Ministry of Health, Nutrition and Indigenous Medicine, Sri Lanka	Stakeholders on Infant and Young Child Feeding Programmes in Sri Lanka
12-12:30h	Closing Remarks (Sharon Donovan and Bert Koletzko)		