

Program Agenda (Tentative)

Day 1: IMGC – Translation & Science

Wednesday, October 20, 2010

UC Davis Conference Center
Davis, California

8.00	Registration	
9.00	Industry Welcome	Joseph O'Donnell, California Dairy Research Foundation
9.15	DSM Enzyme Innovation, New Tools for Constructing Dairy Bioactives	Bill King, DSM Food Specialties USA, Inc.
9.45	Nutritional Programming the Gut Microbiota as an Opportunity for Functional Food Development	Paul Ross, Moorepark Food Research Center/Moorepark Technology Ltd.
10.15	Break	
10.30	Industry Session #3	Speaker TBD
11.00	Industry Session #4	Speaker TBD
11.30-12.10	Industry Panel Discussion	
12.10-1.30	Lunch	
1.00-1.30	Poster Setup	
1.30	Introduction: Academic Sessions	J. Bruce German, University of California-Davis
	<i>Milk: Insights from Biology and Genomics</i>	
1.50	The Role of the Insulin Receptor in Mammary Development During Pregnancy	Peggy Neville, University of Colorado, Denver
2.30	A View of the Epigenetic Landscape in the Developing Lactating Mammary Gland	Monique Rijnkels, Baylor College of Medicine
3.10	Break	
3.30	From Genes to Milk: Genomic Organization of the Mammary Transcriptome into Gene Neighborhoods	Danielle Lemay, University of California, Davis
4.10	MamExp: An Interactive Gene Expression Browser Interface for Collaborative Comparative Lactation Genomics	Christophe Lefevre, Deakin University

Student Travel Award Winners

4.50 The Milk Fat Globule to Unravel Mammary Epithelial Cell Defense Elicited in Response to Intramammary Infection Pauline Brenaut, INRA-France

5.05 Oligosaccharide Binding Proteins from Bifidobacterium longum subsp. infantis Reveal a Preference for Milk and Host Glycans Daniel Garrido, University of California, Davis

5.30-6.30 Reception

5.30-7.00 Poster Review Session

Day 2: Milk & Its Effects on Human Health

Thursday, October 21, 2010

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Lactation Biology and Infant Development

9.00 Academic Session #4 Ardythe Morrow, University of Cincinnati College of Medicine

9.40 Non-Invasive Assessment of Intestinal Gene Expression Profiles in Breast- and Formula-fed Human Infants Sharon Donovan, University of Illinois

The Long Term Effects of Milk on Infant Development

10.20 Break and Poster Review

10.40 Lactational Programming – Mother's Milk Energy Predicts Infant Behavior and Temperament in Rhesus Macaques Katie Hinde, University of California, Davis/Harvard University

11.20 Effects of Supplementing the AIN-76A Diet with Milk Fat Globule Membrane on Parameters of Gut Health, Fecal Microbiota and Systemic Lipid Metabolism Robert Ward, Utah State University

12.00-1.30 Lunch

12.45-1.30 Poster Session

Milk Components: Production and Actions

1.30 Peptidomics of Hydrolysed Infant Formulas Michael Affolter, Nestlé Research Centre

2.10 A Nutrigenomic Strategy to Assess the Physiological Properties of Dairy Products Guy Vergeres, Agroscope Liebefeld-Posieux ALP

2.50 PhenoFinlait: The First Overview of French Farm Systems Felicie Faucon, Institute de l'Élevage

3.30 Break and Poster Review

Student Travel Award Winners (cont.)

4.05 Investigation of Milk Protein Bioactivity Vinuthan Koddapa, University of Sydney

4.20 Characterization of microRNA Palaniappan Ramanathan, USDA,

	Expression in Secretary Activation	ARS
4.35	Analysis of the Milk Transcriptome of Transition and Late Lactation Holstein Cows by Next Generation Sequencing Technology	Saumya Wickramasinghe, University of California, Davis
4.35-5.30	Updates From Researchers	
5.30-5.45	Review, Q&A	J. Bruce German, University of California-Davis
7.00	Dinner (By Ticket Only)	

Day 3: Milk Genomics Around the World – From Genes to Traits

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Friday, October 22, 2010

Understanding Lactation

9.00	From Lactation to Biology to Enhanced Milk Traits	Speaker TBD
9.40	Understanding the Genetics and Biochemistry of Complex Traits in Milk	Juan Medrano, University of California, Davis (invited)
10.20	Break and Final Poster Review	
10.40-11.40	Updates From Researchers	
11.40	Discussion and Perspectives	
12.10-1.20	Lunch	
12.50-1.20	Poster Teardown	
1.20	Adjourn	
1.30	IMGC Steering Committee Meeting (Members Only)	