

# **1<sup>st</sup> Young Scientists Symposium in Mucosal Biology**

**9-10<sup>th</sup> of June 2016, University of Bern**  
Room A 003, University of Bern / UniS Schanzeneckstr. 1

## **Thursday 9-June-2016:**

13:30-13:45

Dr. Francesca Ronchi "Welcome and Introduction"

### **Session1:**

**"Education of the intestinal innate immune system by commensal microbiota"**

**Chair: Dr. Stephanie Ganal-Vonarburg, Dr. Mario Noti**

13:45-14:15

Dr. Mercedes Gomez de Agüero "Maternal microbiota sets neonatal innate immunity"

14:15-14:45

Dr. Pedro Hernandez-Cerda "Innate lymphoid cells and IL-22: functional analysis in zebrafish"

14:45-15:15

Dr. Andy Wullaert "The role of NLRs in intestinal host-microbe interactions"

15:15-15:45

Lisa Perruzza "Regulation of systemic metabolism by T follicular helper cells in the small intestine via purinergic P2X7 receptor"

*15:45-16:15 Coffee Break*

### **Session2:**

**"Intestinal barriers: mucus layer and gut-vascular barrier"**

**Chair: Dr. Li Hai, Marcel Sorribas Olivera**

16:15-16:45

Dr. George Birchenough "Sentinel goblet cells – a secondary layer of goblet cell mediated colonic defence"

16:45-17:15

Dr. Elisabeth Nystrom "The function of CLCA1 in colonic mucus"

17:15-17:45

Dr. Ilaria Spadoni "Identification and characterization of a Gut-vascular barrier that controls the systemic dissemination of bacteria"

17:45-18:15 Sponsors session

Dr. Carsten Wiethe "Multicolor Flow Cytometry: A colorful world but how to enhance performance?"

*18:30-Dinner for invited speakers*

**Friday 10-June-2016:**

Session3:

**"Microbiota: evolution, metabolism and signaling"**

**Chair: Dr. Julien Limenitakis, Dr. Yasuhiro Uchimura**

09:00-09:30

Dr. Kirsten Ellegaard "Evolution and niche specialization of the honeybee gut microbiota"

09:30-10:00

Martina Klunenmann "Drug metabolism of human gut microbes"

10:00-10:30

Dr. Jessica Thompson "Bacterial Signalling in the Intestinal Tract"

*10:30-11:00 Coffee Break*

Session4:

**"Nutrition microbiota and immune system"**

**Chair: Prof. Kathy McCoy, Dr. med. Catherine Mooser**

11:00-11:30

Dr. Eva Gollwitzer "How our diet and our microbiota can shape immune responses?"

11:30-12:00

Dr. Ozren Stojanovic "Gut microbiota mediates metabolic and tissue remodeling adaptations of fat and intestine during cold"

12:00-12:30

Dr. Melissa Lawson "How can the infant diet influence microbial development?"

*12:30-14:00 Lunch break*

Session5:

**"Mucosal inflammation and infections"**

**Chair: Dr. Markus Geuking, Dr. William Kwong Chung**

14:00-14:30

Dr. Florian Sparber "Mucosal immunity to oral Candida infection"

14:30-15:00

Dr. Lars Vereecke “Innate immunity orchestrates anti-helminth responses”

15:00-15:30

Dr. Jarno Drost “Modelling colorectal cancer in human intestinal organoids”

15:30-16:00

Dr. Aline Stedman “Crypts and microbiota interaction during homeostasis and cancer”

*16:00-16:30 Coffee Break*

**“Microbiota and autoimmunity”**

**Chair: Dr. Francesca Ronchi, Dr. Philippe Krebs**

16:30-17:00

Dr. Chiara Sorini “Low-grade intestinal inflammation and mucus layer alterations induce autoimmune diabetes by triggering activation of islet-reactive T cells within the gut mucosa”

17:00-17:30

Dr. Heli Siljander “The role of the intestinal microbiota in type 1 diabetes mellitus”

17:30-17:45

Dr. Francesca Ronchi “Closing Remarks”