

## Final Program



### 2<sup>nd</sup> European Rotavirus Biology Meeting

June 3-6, 2007

Djurönäset, Stockholm, Sweden

#### Sunday 3<sup>rd</sup>

18:00 - 20:00 Registration in house 7  
20:00 – 23:00 Welcome reception & Cocktail-buffet

#### Monday 4<sup>th</sup>

7:00 – 8:45 *Breakfast*

8:45 – 9:00 *Welcome*

L Svensson

9:00 – 10:00 *Key note lecture: Per Brandtzaeg*  
Mucosal immunization, possibilities and problems

10:00 – 11:00 **Assembly and Replication**

Chairperson: M McCrae

- ◆ Strong interaction between the rotavirus polymerase VP1 and the nonstructural protein NSP5. **F Arnoldi**
- ◆ Incorporation of rotavirus RNA into cores and double-layered particles in vitro. **U Desselberger**
- ◆ Modelling and integrating bioreaction and downstream for RLP's production. **P Alves**
- ◆ In vitro disassembly and reassembly of triple-layered rotavirus-like particles. **M Carrondo**

11:00 - 11:30 *Coffee break*

11:30 – 12:15 **Pathophysiology and Virulence**

Chairperson: L Svensson

- ◆ Role of 5-HT and enterochromaffin cells in rotavirus disease. **L Svensson**
- ◆ Glycosylation and NSP4 toxicity. **M A McCrae**
- ◆ Rotavirus RNAemia in HRV vaccine recipients and in wild type rotavirus infection. **E D Szakal**

12:15 – 13:45 *Walking lunch*

13:45 – 14:30 *Key note lecture: Germain Trugnan*  
Interactions between rotavirus and host cells

14:30 - 15:15 **Host - pathogen interactions**

Chairperson: G Trugnan

- ◆ BAX is activated during rotavirus-induced apoptosis through the mitochondrial pathway. **S Martin Latil**
- ◆ Rotavirus scaffolding protein VP2 induces hyperphosphorylation of NSP5 and alters its cellular distribution. **R Contin**
- ◆ Entry of rotavirus-derived virus-like particles in intestinal cells in vitro and in vivo. **N Cortes**

15:15 – 15:45 *Coffee break*

15:45 – 17:15 **Immunology**

Chairperson: N Parez

- ◆ Antibody and cytokine responses to vaccination with coronavirus-based vectors expressing rotavirus antigens in the mouse model. **J M Ribes**
- ◆ Recombinant rotavirus vaccine produced in milk of transgenic rabbits: protective efficacy in mouse after intrarectal delivery with cholera toxin or LT R192G. **N Parez**
- ◆ Role of B and T lymphocytes in the protection against rotavirus infection after intrarectal immunization with 2/6-viral-like particles. **D Agnello**
- ◆ Lactobacilli expressing llama VHH fragments against rotavirus. **N Pant**
- ◆ Safety and immunogenicity of concomitant use of the pentavalent rotavirus vaccine (Rotateq™) and oral poliovirus vaccine (OPV). **M Ciarlet**
- ◆ Amount of maternal antibodies influence the immune response to neonatal immunization with chimeric rotavirus RF 8\*2/6/7 VLPs. **E Johansson**

20:00 - 22:00 **Dinner at Djurönäset**

## Tuesday 5th

7:00 – 9:00

Breakfast

9:00 – 9:45

*Key note lecture: **Jim Gray***

Rotavirus evolution, diversity and molecular epidemiology: tools for surveillance.

9:45 – 10:15

### **Molecular Epidemiology (1) – New tools**

Chairperson: U Desselberger

- ◆ A novel real-time LUX-PCR for detection and quantification of group A rotavirus. **J Nordgren**
- ◆ One-step quantitative RT-PCR for detection and quantitation of rotavirus in acute gastroenteritis. **S-Q Zeng**

10:15 – 10:45

*Coffee break*

10:45 – 12:00

### **Molecular Epidemiology (2) - environment**

Chairperson: J Gray

- ◆ Human, porcine and bovine rotaviruses in slovenia – evidence for interspecies transmission. **A Steyer**
- ◆ Molecular characterization of a canine-like human rotavirus strain G3P[3] isolated in Palermo, Italy. **S de Grazia**
- ◆ Heterogeneity in the VP7 of group C rotaviruses. **M Vito**
- ◆ Mutated G4P[8] rotavirus associated with a nation-wide outbreak of gastroenteritis in Nicaragua 2005. **F Bucardo**
- ◆ Novel and comprehensive sequence-based classification and nomenclature of group A rotavirus structural proteins. **J Matthijnsens**

12:00 – 12:45

### **Rotavirus Disease**

Chairperson: B Hogh

- ◆ Diarrhea-and rotavirus-associated hospitalizations among children. A four-year retrospective study in a french university hospital. **A Gagneur**
- ◆ Complications attributable to rotavirus-induced diarrhoea in a swedish pediatric population- report from a 10-year surveillance. **K Johansen**
- ◆ The burden of rotavirus disease in Danish children. **B Hogh**

12:45 – 14:15

*Walking lunch*

14:15 – 14:30

*Key note lecture: **Ulrich Desselberger***

Tom Flewett memory

14:30 – 15:15

### **Molecular Epidemiology (3) in Europe**

Chairperson: F Ruggeri

- ◆ The spanish rotavirus surveillance network (vigess-net: viral gastroenteritis interdisciplinary spanish study). **A Sánchez-Fauquier**
- ◆ Molecular epidemiology of rotavirus in central and south-eastern Europe. **F M Ruggeri**
- ◆ Distribution of rotavirus genotypes in Slovenia 2005-2006. **M Poljak-Prijatelj**

18:30 -22:00

*Boat trip with dinner at Sandhamn hotel*

**Wednesday 6th**

7:00 – 8:00

*Breakfast*

8:00 – 8:30

*Key note lecture: **Duncan Steele***

Implementation of the current rotavirus vaccines, drivers and barriers

8:30 – 10:10

**Updates on the current rotavirus vaccines** Chairpersons: T Vesikari & D Steele

- ◆ Rotateq™ - beyond the primary phase III efficacy & safety results. **M Ciarlet**
- ◆ Characterization of the pentavalent rotavirus vaccine, Rotateq™. **M Ciarlet**
- ◆ Rotarix™ - updated data. **B Hoet**
- ◆ Genetic Characterization of Rix 4414 Vaccine Strain. **JP Cassart**

10:10 – 10:55

*Key note lecture: **Timo Vesikari***

Unanswered questions on current rotavirus vaccines

10:55– 11:00

*Concluding remarks*

N Perez

11:00

*Coffee and sandwich*

12:00

*Bus transfer to Stockholm (City Terminalen)*