

# Day of the IB Graduate Students 2011

Thursday, October 20

**Venue: Delta conference room**

**APS conference centre, Zwarte Woud 2, 3524 SJ Utrecht  
The Netherlands**

8:45 *Arrival & Coffee / Tea*

9:00 **Opening**

9:05 **Robbert de Vries** (Virology, Vet. Sciences, Xander de Haan)  
“The plasticity of influenza A virus hemagglutinin-receptor interactions”

9:30 **Myrrhe van Spronsen** (Cell Biology, UU, Casper Hoogenraad)  
“TRAK family proteins regulate polarized mitochondria trafficking in neurons”

9:55 **Ana Almeida da Silva** (Cell Biology, UMCU, Ger Strous)  
“Understanding the growth hormone receptor-TrCP interactions: Molecular tools for controlling GH sensitivity”

10:20 *Coffee / Tea*

10:50 **Maria Noutsou** (Cell Biology, UMCU, Madelon Maurice/ Stefan Rüdiger)  
“Protein scaffolding in Wnt/Beta-catenin signalling”

11:15 **Nika Strokappe** (Biomolecular Imaging, UU, Theo Verrips)  
“Broadly neutralizing VHH against HIV”

11:40 **Mokrish Ajat** (Biochemistry and Cell Biology, Vet. Sciences, Bernd Helms)  
“Lipid droplets: now you see 'em, now you don't”

12:05 *Lunch; Coffee / Tea*

13:15 **Elsa Berends** (Microbiology, UU, Han Wösten)  
“Production of therapeutic proteins in mushrooms”

13:40 **Carol Yu** (Cell Biology, UU, Anna Akhmanova)  
“Rab6, Rab8, and MICAL3 cooperate in controlling docking and fusion of exocytotic carriers”

14:05 **Milla Summanen** (Cell Biology, UU, Johannes Boonstra)  
“VHH activators and inhibitors of protein kinase C epsilon activity”

14:30 *Coffee / Tea*

14:45 **Workshops / IB staff member meeting**

16:00 **Winner of the IB Publication Prize 2011**

16:45 *Closure and drinks*

**Registration before 14 October via:**

**<http://www.biomembranes.nl/students/IBregistration.php>**

## **Workshops IB AiO day 20-10-2011**

**Time: 14.45-15.45**

**1. Sergio Grinstein** (*Niger room*)

“Mobility and avidity of receptors in macrophages”

**2. Frank van Kuppefeld** (*Loire room*)

“(+)RNA viruses recruit lipid kinases to form replication organelles?”

**3. Cosima T. Baldari** (*Donau room*)

“Membrane trafficking in primary cilia and immunological synapses”

**4. Gillian Griffiths** (*Eufraat room*)

“Secretion at the immunological synapse”

**5. Walter H.A. Kahr** (*Marwijne room*)

“Dynamic changes in platelet formation ”

**6. Pascale Cossart** (**Delta conference room**)

“A role for clathrin in the entry of bacterial pathogens into mammalian cells”

## **Papers to be studied**

### **Workshop 1(Grinstein)**

-Jaqaman et al., Cell 146 (2011), 593-606

Cytoskeletal control of CD36 diffusion promotes its receptor and signaling function.

### **Workshop 2(Kupffeld)**

-Hsu et al., Cell 141 (2010), 799-811

Viral reorganization of the secretory pathway generates distinct organelles for RNA replication

- Reiss et al., Cell Host & Microbe 9 (2011), 32-45

Recruitment and activation of a lipid kinase by Hepatitis C Virus NS5A is essential for integrity of the membranous replication compartment.

### **Workshop 3(Baldari)**

-Griffiths et al., JCB (2010), 399-406

The immunological synapse: a focal point for endocytosis and exocytosis.

-Mittelbrunn et al., Nature communications 2:282 (2011)

Unidirectional transfer of microRNA-loaded exosomes from T cells to antigen-presenting cells.

-Fogelgren et al., Plos Genetics (2011) Vol 7 (4) e1001361

The exocyst protein Sec10 interacts with polycystin-2 and knockdown causes PKD-Phenotypes

### **Workshop 4 (Griffiths)**

-Schnyder et al., Immunity (2011), 34, 905-918

B cell receptor-mediated antigen gathering requires ubiquitin ligase Cbl and adaptors Grb2 and Dok-3 to recruit dynein to the signaling microcluster.

-Hashimoto-Tane et al., Immunity (2011) 34, 919-931

Dynein-driven transport of T cell receptor microclusters regulates immune synapse formation and T cell activation.

### **Workshop 5 (Kahr)**

-Thon et al., JCB (2010) 191 (4), 861-874

Cytoskeletal mechanics of proplatelet maturation and platelet release

### **Workshop 6 (Cossart)**

Still to be announced.