

## Program

### Wednesday October 9

08:30 - 12:30 TOPP-2 Investigator Meeting | Exclusively for TOPP-2 Investigators

12:30 - 14:00 Lunch

14:00 - 18:00 **PePH educational meeting | "How do I follow my pediatric PAH patient"**  
Under the auspices of the Association for Pediatric Pulmonary Hypertension



**Chair: T. Humpl**

14:00 - 14:10 Latest WSPH 2018 recommendations for pediatric PAH M. Beghetti, University Hospital of Geneva, Switzerland

14:10 - 14:40 Clinical symptoms and Functional class S. Moledina, Great Ormond Street Hospital for Children, London, UK

14:40 - 15:10 Echocardiography and other Imaging modalities D. Yung, Seattle Childrens's Hospital, Seattle, USA

15:10 - 15:40 NT-pro-BNP and other biomarkers R. Weintraub, The Royal Children's Hospital, Melbourne, Australia

15:40 - 16:20 Coffee break

**Chair: L. Alblonczy**

16:20 - 16:50 Quality of Life assessment and PROs M.P. Mullen, Boston Children's Hospital, Boston, USA

16:50 - 17:20 Follow up cardiac catheterization? C. Apitz, Childrens University Hospital Ulm, Germany

17:20 - 17:50 Treatment goals M.J. Ploegstra, The University Medical Center Groningen, The Netherlands

17:50 - 18:00 Summary and 'take to the clinics' message R.M.F. Berger, The University Medical Center Groningen, The Netherlands

19:00 TOPP-2 investigator dinner at Restaurant XO

### Thursday October 10

07:30 - 08:30 Registration

08:30 - 08:45 **Opening**  
**Chairs: R. Weintraub & R.M.F. Berger** R.M.F. Berger, The University Medical Center Groningen, The Netherlands

08:45 - 09:15 PH in infancy and childhood, epidemiology and current outcomes D. Ivy, Children's Hospital Colorado, USA

09:15 - 09:45 Molecular mechanisms and potentially new upcoming therapies K. Kurakula, Leiden University Medical Centre, The Netherlands

09:45 - 10:15	Traveling through plexiform lesions: 3D-microimaging of the pulmonary vascular bed	K. Tran-Lundmark, Lund University, Lund, Sweden
10:15 - 11:00 Coffee break		
<b>Advanced monitoring of Ventricular Vascular Coupling in PAH</b>		
<b>Chairs: M. Grady &amp; M. Mullen</b>		
11:00 - 11:30	Pulmonary Arterial Wall Dynamics	J.M. Douwes, The University Medical Center Groningen, The Netherlands
11:30 - 12:00	MR-imaging in PH: Volume-derived VVC and 4D flow	S. Moledina, Great Ormond Street Hospital for Children, London, UK
12:00 - 12:30	Artificial Intelligence in assessing RV function and prognosis	T. Dawes, Imperial College London, UK
12:30 - 13:30 Lunch		
<b>Pulmonary Hypertension in preterm infants</b>		
<b>Chairs: S. Abman &amp; R. Hopper</b>		
13:30 - 14:00	The role of PPHN, ducts and BPD	S. Arjaans, The University Medical Center Groningen, The Netherlands
14:00 - 14:30	Diagnosis of PH in preterm neonates	M.J. del Cerro, Hospital Ramón y Cajal University Hospital, Madrid, Spain
14:30 - 15:00	Late outcome in adults of neonatal PH	A.G.B. Beshish, American Family Children's Hospital, Madison, USA
15:00 - 15:45 Coffee break		
<b>New tools to monitor PAH in children</b>		
<b>Chairs: M. Beghetti &amp; M.J. Ploegstra</b>		
15:45 - 16:15	Use of the WSPH risk stratification tool in paediatric PAH	M.G. Haarman, The University Medical Center Groningen, The Netherlands
16:15 - 16:45	Wearables and Patient Reported Outcomes in children with PAH: new wins?	C. Ollivier, Aparito, Leiden, The Netherlands
16:45 - 17:15	Challenging case presentations (part 1)	D. Yung, Seattle Children's Hospital, USA
18.30 - 22.00 Welcome reception and conference dinner		

## Friday October 11

08:00 - 08:30 Registration and Welcome

## Maternal aspects of Neonatal Pulmonary Hypertension

### Chairs: M. Del Cerro & S. Arjaans

08:30 - 09:00	The role of the placenta in neonatal PH	M.H. Schoots, The University Medical Center Groningen, The Netherlands
09:00 - 09:30	Neonatal outcome of the Dutch Strider study: what happened?	J. W. Ganzevoort, Amsterdam University Medical Center, Amsterdam, The Netherlands
09:30 - 10:00	Fetal programming in neonatal PH	S. Abman, Children's Hospital Colorado, USA
10:00 - 10:30	Prostacyclin analogues in neonates and developmental lung disease	R.K. Hopper, Stanford University School of Medicine, Stanford USA
10:30 - 11:00	Coffee break	

### Advanced Treatment Strategies in pediatric PAH

#### Chair: J. Fineman

11:00 - 11:15	Atrial Balloon Septostomy	J.P. Sandoval Jones, National Institute of Cardiology, Mexcio City, Mexico
11:15 - 11:30	Percutaneous VSD-creation for failing PAH	H. Justino, Texas Children's , Houston, USA
11:30 - 11:45	Potts shunt in pediatric PAH, global experience	M. Grady, Washington University School of Medicine, St. Louis, USA
11:45 - 12:00	Lung transplantation	G.B. Mallory, Texas Children's , Houston, USA
12:00 - 12:30	Panel Discussion: when to do what?	Moderator: J. Fineman UCSF Benioff Children's Hospital, San Francisco
12:30 - 13:30	Lunch	

#### Lunch workshop

12:45 - 13:30	<b>Intravenous treprostenil administration without lines: An implantable pump for children?</b>	
12:45 - 12:55	Technical aspect of the Lenus Pro pump	Elke Marquis Carrington and Hubert Spielbauer
12:55 - 13:10	Clinical experience in children and adolescents	M. Alvarez, Hospital Ramón y Cajal University Hospital, Madrid, Spain M.J. del Cerro, Hospital Ramón y Cajal University Hospital, Madrid, Spain
13:10 - 13:20	Practical tips and tricks from experience in adults	Dr. L.M. van den Toorn, Erasmus MC, Rotterdam, The Netherlands

#### 13:30 - 14:00 Best Poster Presentations

#### Chairs: S. Moledina & K. Tran-Lundmark

14:00 - 15:00	<b>Challenging case presentations (part 2)</b>	D. Yung, Seattle Childrens's Hospital, Seattle, USA
15:00 - 15:30	Coffee break	

## Pulmonary Vascular Disease in Congenital Heart Disease

**Chairs: R.M.F. Berger & D.D. Ivy**

15:30 - 15:55	The role of hemodynamic forces	J. Fineman, UCSF Benioff Children's Hospital, San Francisco, USA
15:55 - 16:25	Unraveling the mechanisms of reversibility of pulmonary vascular disease	D.E. van der Feen, The University Medical Center Groningen, The Netherlands
16:25 - 16:50	Pulmonary Vein Stenosis	M.P. Mullen, Boston Children's Hospital, Boston, USA
16:50 - 17:15	Pulmonary vascular disease in Fontan patients	F.J.S. Ridderbos, The University Medical Center Groningen, The Netherlands
17:15	<b>Closure</b>	

---

### Social Program

#### Conference dinner

On October 10 we will enjoy a walking dinner in restaurant Prinsenhof.

Prinsenhof Groningen is located right in the middle of Groningen city center, only meters from the Martini Tower. Prinsenhof is a place where everybody is made to feel at home.

The dinner is included in the registration fee.

#### Farewell Party

On Friday 11 October 2019 we will explore the city of Groningen by boat.

This boat tour will take about an hour and drinks and small bites will be served on board. The boat (it's called the Wonderlaand) is heated and has a closed transparent roof, and a part of the roof can be shifted open.

The Wonderlaand is equipped with an elevator for wheelchairs, etc. However, there is no disabled toilet on board.

We get off the boat at de Hoge de A near Café de Sleutel; here we go for a bite with 'het bord op schoot' (the plate on our lap).

In short:

- Start of the tour: 17.45-18.00h at the Rederij Kool (Stationsweg 1012).
- Start of dinner: 19.00-19.15h at café de Sleutel (Noorderhaven 72)
- End of the program: 21.30 h

The enthusiasts can of course go for a dance or a drink in the city (at your own expense).

