



20th EDITION

November 17th - 18th, 2016

# HeartLAB

IN ZURICH

Wet Lab with Realistic Phantoms for  
Practical Courses, 20<sup>th</sup> edition



17<sup>th</sup> & 18<sup>th</sup> November 2016  
08:00 – 18:00 h  
Schulungszentrum  
UniversityHospital Zurich



UniversityHospital  
Zurich



[WWW.HEART-TEAM.ORG](http://WWW.HEART-TEAM.ORG)

# WELCOME

Dear colleagues,

For the 20th edition, the HeartLab will take place on November 17th-18th, 2016 at the University Hospital Zurich. A reason to celebrate!

An international faculty of experts will give you a practical update on the latest advancements from endovascular and minimally invasive procedures. The topics will be picked out for you from vascular, arrhythmia and valves (mitral, aortic, tricuspid) treatments.

The HeartLab course is organised with a very own concept that makes it a unique experience to the whole Heart Team:

- First, a specific cardio-vascular procedure is introduced by an expert team in the field, and then demonstrated live, using simulators and realistic models holding a complete anatomical situs
- Second, the participants perform the same intervention in parallel, on identical models specially developed and equipped for this purpose. Simulators will be available for every participant
- Third, experts and participants experiences are wrapped up in a moderated interactive discussion

With our renowned faculty from all over the world, that support this very exclusive hands-on format, we are delighted to invite you to the 20th HeartLab.

We're looking forward to welcome you in Zurich!



Francesco Maisano



Ludwig K. von Segesser

## Congress Venue

University Hospital Zurich  
Schulungszentrum  
Gloriastrasse 19  
8091 Zurich  
Switzerland



## Scientific Secretariat

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## Congress Secretariat

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Email: [judith.kutnjak@ee-hsec.org](mailto:judith.kutnjak@ee-hsec.org)

## Course directors

**Francesco Maisano**  
University Hospital Zurich  
Zurich, Switzerland

**Ludwig K. von Segesser**  
CHUV – Lausanne University Hospital  
Lausanne, Switzerland

## Local faculty

**Stefano Benussi**, Zurich  
**Nikola Cesarovic**, Zurich  
**Omer Dzemali**, Zurich  
**Michele Genoni**, Zurich  
**Michael Hoffmann**, Zurich  
**Devdas Thomas Inderbitzin**, Zurich  
**Michaela Kolbe**, Zurich  
**Shingo Kuwata**, Zurich  
**Mario Lachat**, Zurich  
**Boris Leskosek**, Zurich

**Andre Plass**, Zurich  
**Diana Reser**, Zurich  
**Frank Ruschitzka**, Zurich  
**Jan Steffel**, Zurich  
**Maurizio Taramasso**, Zurich  
**Marko Turina**, Zurich  
**Alberto Weber**, Zurich  
**Peter Wenaweser**, Zurich  
**Michel Zuber**, Zurich

## National faculty

**Saad Abdel-Sayed**, Lausanne  
**Alain Delabays**, Lausanne  
**Stefanos Demertzis**, Lugano  
**Friedrich Stefan Eckstein**, Basel  
**Enrico Ferrari**, Lausanne

**Philippe Ghibu**, Baden  
**Philipp Haager**, St. Gallen  
**Rob Nijs**, Nyon  
**Stefan Ockert**, Luzern  
**Piergiorgio Tozzi**, Lausanne

## International faculty

**Ottavio Alfieri**, Milan, Italy  
**Matthieu De Beule**, Gent, Belgium  
**Jurgen de Hart**, Eindhoven, The Netherlands  
**Paolo Denti**, Milan, Italy  
**Dalia Dickman**, Yokneam, Israel  
**Eberhard Grube**, Bonn, Germany  
**Tomas Holubec**, Bad Nauheim, Germany

**Andreas Holzamer**, Regensburg, Germany  
**Philipp Lurz**, Leipzig, Germany  
**Maximilian Pichlmaier**, Munich, Germany  
**Scott Rankin**, Nashville, USA  
**Wilko Reents**, Bad Neustadt, Germany  
**Evelyn Regar**, Rotterdam, Netherlands  
**Luca Vicentini**, Milan, Italy

# PROGRAM

## Thursday, November 17th, 2016

08:00 – 08:05

**Opening (Room A16)**

*F. Maisano, L. K. von Segesser*

08:05 – 09:45

**Cardio-Vascular Module 1: EVAR (Room A16)**

*Chair: M. Hofmann, F. Maisano, L. K. von Segesser*



- Presentation of the Endurant II Medtronic AAA Stentgraft
- Demonstration of the Endurant II Medtronic AAA Stentgraft
- Presentation of the Gore Parallel Graft
- Demonstration of the Gore Parallel Graft
- "Wall-less" Canulas Design for MICS one size fits all Smartcanula Presentation
- "Wall-less" Canulas Design for MICS one size fits all Smartcanula Demonstration
- Hands-on Participants (in parallel: Medtronic, Gore, Smartcanula)

*P. Tozzi  
P. Tozzi  
M. Lachat, L. K. von Segesser  
M. Lachat, L. K. von Segesser*

*S. Abdel-Sayed*

*S. Abdel-Sayed*

08:05 – 09:45

**Heart-Team Simulation (Room A13)**

*Chair: E. Grube, J. Steffel, M. Turina*



- Myths & Facts of Team Decision-Making

*M. Kolbe, D. Reser*

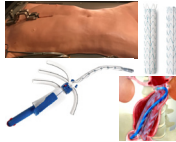
09:45 – 10:15

**Coffee break**

10:15 – 12:00

**Cardio-Vascular Module 2: TEVAR (Room A16)**

*Chair: M. Hofmann, L. K. von Segesser*



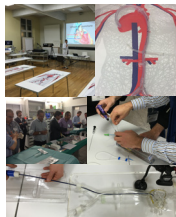
- Presentation of Thoracic Aortic Repair with the Bolton Device
- Demonstration of Thoracic Aortic Repair with the Bolton Device
- Presentation of the Vascutek Thoraflex Hybrid Graft
- Demonstration of the Vascutek Thoraflex Hybrid Graft
- Presentation Aptus Heli-FX EndoAnchor (Medtronic)
- Demonstration Aptus Heli-FX EndoAnchor (Medtronic)
- Hands-on Participants (in parallel: Medtronic, Vascutek)

*S. Ockert  
S. Ockert  
T. Holubec  
T. Holubec  
P. Ghibu  
P. Ghibu*

10:15 – 12:00

**Wire Skills Module - Endovascular Simulation (Room A13)**

*Chair: A. Delabays, E. Grube, M. Turina*



- Overview of wire, catheter and balloon
- Wire skill simulator
  1. Access – Overview of different access route – Practical Skills
  2. Navigation (Wires, Cross-Over) and Balloon Skills
  3. Closure Device – When to use, how to use and limitation (Proglide)
- Transseptal puncture: how to do it
- Transseptal puncture simulators TSP
- Hands-on Participants

*F. Maisano*

*P. Haager  
Taramasso  
P. Haager  
M. Taramasso  
D. Inderbitzin  
J. Steffel  
J. Steffel*

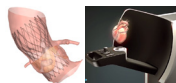
12:00 – 13:00

**Lunch**

12:30 – 13:30

**Lunch Symposium – 3D Imaging and Simulation**

*Chair: A. Plass*



- Physics-Based Simulation Opens New Gates in the Medical World (Fe-ops)
- 3D Holographic Imaging: The Entry to a New World of Medical Perspectives (Realview)
- ProSize: a new, free and intuitive TAVI Sizing Tool for OsiriX and Horos
- Near-vivo training simulating real-life cases

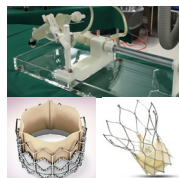
*M. de Beule*

*D. Dickman*

*A. Holzamer  
J. de Hart*

## Thursday, November 17th, 2016

13:30 – 15:30

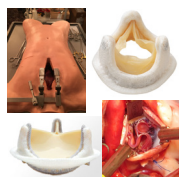


### Aortic Valve Module 1 - transcatheter Valve interventions (Room A16)

Chair: E. Grube, F. Maisano

- Presentation of the Medtronic TAVI - Corevalve P. Wenaweser
- Live in a Box : the Medtronic TAVI - Corevalve in Demonstration P. Wenaweser
- Edwards Sapien Transcatheter Heart Valve Presentation E. Ferrari
- Edwards Sapien Transcatheter Heart Valve Demonstration E. Ferrari
- Symetis ACURATE neo™with Self-Expanding Nitinol Stent Presentation W. Reents
- Symetis ACURATE neo™with Self-Expanding Nitinol Stent Demonstration W. Reents
- SJM Portico™ Transcatheter Valve - Control and Accuracy - Presentation P. Haager
- SJM Portico™ Transcatheter Valve - Control and Accuracy - Demonstration M. Taramasso
- Hands – on parallel P. Haager
- Hands – on parallel M. Taramasso

13:30 – 15:30



### Aortic Valve Module 2 - open surgery skills (Room A13)

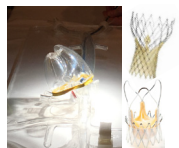
Chair: A. Plass, S. Rankin, M. Turina

- Classic Aortic Valve Replacement Presentation of Different Valves T. Holubec
- Classic Aortic Valve Replacement Demonstration T. Holubec
- Presentation Ozaki Aortic Neocuspitation F. Eckstein
- Demonstration Ozaki Aortic Neocuspitation F. Eckstein
- Aortic Valve Repair Haart 300 Annuloplasty Ring in theory S. Rankin, A. Weber
- Aortic Valve Repair Haart 300 Annuloplasty Ring in practice S. Rankin, A. Weber
- Hands-on parallel

15:30 – 16:00

### Coffee break

16:00 – 18:00



### Aortic Valve Module 1 - transcatheter Valve interventions (Room A16)

Chair: A. Delabays, E. Grube, F. Maisano

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- Edwards Sapien Transcatheter Heart Valve Demonstration E. Ferrari
- Symetis ACURATE neo™with Self-Expanding Nitinol Stent Presentation W. Reents
- Symetis ACURATE neo™with Self-Expanding Nitinol Stent Demonstration W. Reents
- SJM Portico™ Transcatheter Valve - Control and Accuracy - Presentation P. Haager
- SJM Portico™ Transcatheter Valve - Control and Accuracy - Demonstration M. Taramasso
- Hands – on parallel P. Haager
- Hands – on parallel M. Taramasso

16:00 – 18:00



### Aortic Valve Module 2 - open surgery skills (Room A13)

Chair: A. Plass, S. Rankin, M. Turina

- Classic Aortic Valve Replacement Presentation of Different Valves M. Pichlmaier
- Classic Aortic Valve Replacement Demonstration M. Pichlmaier
- Presentation Ozaki Aortic Neocuspitation F. Eckstein
- Demonstration Ozaki Aortic Neocuspitation F. Eckstein
- Aortic Valve Repair Haart 300 Annuloplasty Ring in theory S. Rankin, A. Weber
- Aortic Valve Repair Haart 300 Annuloplasty Ring in practice S. Rankin, A. Weber
- Hands-on parallel

20:00 – 23:00

### Scientific Dinner Symposium - Where we come from

B. Leskosek , L. K. von Segesser

# PROGRAM

## Friday, November 18th, 2016

08:00 – 08:15

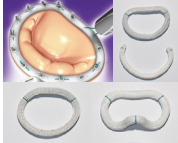
**Grand Lecture: Education in Cardiosurgical Treatments:  
New Challenges and New Opportunities (Room A16)**

*M. Turina*

08:15 – 09:45

**Mitral Valve Module 1 (Room A16)**

*Chair: O. Alfieri, L. K. von Segesser*



- Presentation - New Steps in Open Mitral Valve Surgical Repair
- New Systems in Open Mitral Valve Surgical Repair (Valves & CorKnot)
- Chord-X Pre-Measured Loops - how to do
- Chord-X Pre-Measured Loops - how to use it
- Changing the Way of Treating Mitral Valve Prolapse with the Neochord System: presentations and demonstration
- Hands-on parallel

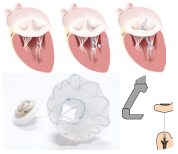
*O. Alfieri  
O. Alfieri  
D. Inderbitzin  
S. Benussi, D. Reser  
S. Benussi, D. Reser*

*M. Taramasso*

08:15 – 09:45

**Mitral Valve Module 2 (Room A13)**

*Chair: P. Denti, F. Maisano, M. Turina, M. Zuber*



- Presentation Mitral Valve Surgical Neochordae
- Demonstration Mitral Valve Surgical Neochordae
- Presentation Chordart - A Sutureless Neochordal Device
- Demonstration Chordart - A Sutureless Neochordal Device
- Tendyne Bioprosthetic Mitral Valve System Presentation
- Tendyne Bioprosthetic Mitral Valve System Demonstration
- Hands-on parallel

*S. Demertzis  
S. Demertzis  
A. Weber  
A. Weber  
F. Maisano  
F. Maisano*

09:45 – 10:15

**Coffee break**

10:15 – 12:00

**Mitral Valve Module 1 (Room A16)**

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- Hands-on parallel

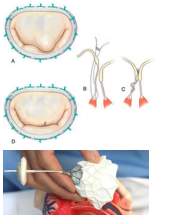
*O. Alfieri  
O. Alfieri  
D. Inderbitzin  
S. Benussi, D. Reser  
S. Benussi, D. Reser*

*M. Taramasso*

10:15 – 12:00

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- Tendyne Bioprosthetic Mitral Valve System Demonstration
- Hands-on parallel

*S. Demertzis  
S. Demertzis  
A. Weber  
A. Weber  
F. Maisano  
F. Maisano*

12:00 – 13:00

**Lunch**

## Friday, November 18th, 2016

12:30 – 13:30



### Lunch Symposium – Edwards

Chair: E. Ferrari, A. Weber

- Inspiris Resilia Aortic Valve – New Generation Heart Valves
- The SAPIEN 3 Valve—See the Clinical Difference in Intermediate-Risk Patients

R. Nijs

tba

13:30 – 15:15



### Mitral Valve Module 3 (Room A16)

Chair: F. Maisano, M. Zuber

- Cardioband - the New Gold Standard for Mitral Valve Repair? Presentation
- Cardioband - the New Gold Standard for Mitral Valve Repair? How to do
- Presentation of the Abbott MitraClip - Simplifying the Complex Case
- Demonstration of the Abbott MitraClip - Simplifying the Complex Case
- Hands-on parallel

F. Maisano

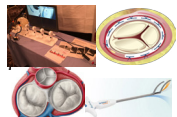
F. Maisano

M. Zuber

P. Lurz

P. Lurz

13:30 – 15:15



### Beyond Mitral Valve Module (Room A13)

Chair: O. Alfieri, P. Dentì, E. Regar

- How to Fix the Tricuspid Valve: Anatomical Insight
- Future of Tricuspid Repair - Presentation of the 4Tech TriCinch
- Future of Tricuspid Repair - Demonstration of the 4Tech TriCinch
- Theoretical Update on AF-Ablation : Atricure and Medtronic
- Practical Update on AF-Ablation : Atricure and Medtronic
- Next Generation of Safety and Speed - Thunderbeat Olympus Demonstration
- Hands-on parallel

O. Alfieri

Taramasso

P. Dentì

P. Dentì

L. Vicentini

S. Benussi

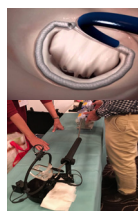
S. Benussi

S. Benussi

15:15 – 15:45

### Coffee break

15:45 – 17:30



### Mitral Valve Module 3 (Room A16)

Chair: F. Maisano, M. Zuber

- Cardioband - the New Gold Standard for Mitral Valve Repair? Presentation
- Cardioband - the New Gold Standard for Mitral Valve Repair? How to do
- Presentation of the Abbott MitraClip - Simplifying the Complex Case
- Demonstration of the Abbott MitraClip - Simplifying the Complex Case
- Hands-on parallel

F. Maisano

F. Maisano

M. Zuber

P. Lurz

P. Lurz

15:45 – 17:30



### Beyond Mitral Valve Module (Room A13)

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- Next Generation of Safety and Speed - Thunderbeat Olympus Demonstration
- Hands-on parallel

O. Alfieri

M. Taramasso

P. Dentì

P. Dentì

L. Vicentini

S. Benussi

S. Benussi

S. Benussi



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