



**THE 4<sup>th</sup>**  
**HEART**  
**TEAM** WINTER  
SUMMIT

**Cardiac Surgery Adult / Pediatric • Cardiology  
Adult / Pediatric • Innovation • Health Care Concepts**

**March 13<sup>th</sup> - 18<sup>th</sup>, 2022**

## **TOPICS**

### **PEDIATRIC PROGRAM HIGHLIGHTS**

*Aortic Valve Disease - Pediatric  
Congenitally corrected TGA (ccTGA)  
Pulmonary Atresia - VSD - MAPCAS  
Pediatric Perfusion and Intensive Care  
Hot Topics in Pediatric Heart Disease  
Pediatric Teaching Session*

### **ADULT PROGRAM HIGHLIGHTS**

*Aortic Valve Disease - Adult  
Tricuspid Incompetence,  
Covid 19 - SARS 2,  
Short-term ECLS,  
Hot Topics in CV Disease,  
Process Optimisation for CV Workflow,  
Small implantable Devices for CV Disease.*

## **PROGRAM**

### **ORGANIZERS AND COURSE DIRECTORS**

**Univ. Prof. Dr. Günther Laufer**  
*Department of Cardiac Surgery  
Medical University of Vienna, A*

**Univ. Prof. Dr. Daniel Zimpfer**  
*Department of Cardiac Surgery  
Medical University of Vienna, A*

**Univ. Prof. Dr. Ina Michel-Behnke**  
*Department of Pediatric Cardiology  
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*Department of Cardiac Surgery  
Paracelsus Medical University  
(PMU), Nuremberg, D*

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# WELCOME



Dear Colleagues and Friends!

After a successful 2<sup>nd</sup> Heart Team Winter Summit in March 2019 and the Corona-related abandonment of the 3<sup>rd</sup> Heart Team Winter Summit 2020 we want to welcome you to our **4<sup>th</sup> Heart Team Winter Summit from March 13<sup>th</sup> – 18<sup>th</sup> 2022 in Zürs am Arlberg.**

By addressing cardiac surgeons and cardiologists the last meetings were very successful and could attract an equal number of participants as in the years before. By personal communication we received many positive reflections already at the meeting as well as thereafter and participants expressed interest for a succeeding "4<sup>th</sup> Heart Team Winter Summit 2021". Unfortunately, we had to cancel this meeting in 2021 due to the pandemic situation in Europe. However, this year we are very thankful to restart the meeting once again.

At this point we take the opportunity to thank in advance all the speakers, chairmen, participants, and supporters for their contributions to the upcoming Winter Summit. Our thankfulness goes in particular to our industry partners, who are the indispensable pillars of the meeting and enable a broad spectrum of scientific topics to be discussed

Based on our experience in 2019 and 2020 we expanded the spectrum of scientific topics also to the field of **pediatric cardiology and pediatric cardiac surgery**. Topics related to these subspecialties will complement scientific activities and discussions in **adult cardiac surgery and cardiology**.

The meeting will continue with the "spirit" of the former Cardiac Surgery Zürs symposia – to discuss scientific and clinically relevant topics of cardiovascular medicine in a less time restricted and relaxed atmosphere. This will be the ideal platform for interdisciplinary networking.

We want to welcome you at the **"4<sup>th</sup> Heart Team Winter Summit" in Zürs am Arlberg!**

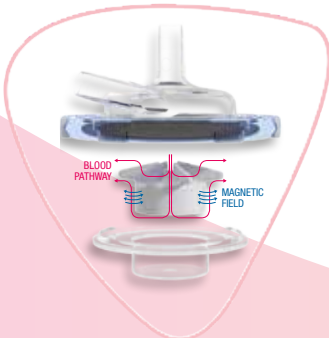
Sincerely,

Günther Laufer, Teddy Fischlein, Ina Michel-Behnke, Daniel Zimpfer



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Pediatric Program: EUR 250,- Students: EUR 150,-

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The industrial exhibition takes place at Robinson Select Alpenrose Zürs.

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# SCIENTIFIC PROGRAM



## Sunday, March 13

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19:00 Evening Get Together

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## Monday, March 14

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### Morning Sessions: Pediatrics 1 and 2

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#### 09:00 Session A: ccTGA

**I. Michel-Behnke (Vienna)**  
**J. Photiadis (Berlin)**

15+5 The fetus with ccTGA-imaging and parent counseling

E. Seidl-Mlczoch  
(Vienna)

15+5 Surgical techniques for anatomic repair – safeguards and pitfalls

M. Hübler  
(Hamburg)

15+5 "Simple" ccTGA-indication and techniques for retraining/anatomic repair

J. Photiadis  
(Berlin)

15+5 Contemporary management and outcome of ccTGA

O. Tutarel  
(Munich)

10:30 Break

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#### 11:00 Session B: Hot Topics Aortic Valve

**J. Hörer (Munich)**  
**S. Nordmeyer (Berlin)**

15+5 Optimal treatment sequeale for congenital aortic valve disease

I. Michel-Behnke  
(Vienna)

15+5 Current status and long-term results of the German Pediatric Ross Registry

J. Hörer  
(Munich)

15+5 The bespoke Ross-Operation

D. Zimpfer  
(Vienna)

15+5 MRI-evaluation in aortic stenosis – Can we predict post-op result?

S. Nordmeyer  
(Berlin)

12:30 Lunch break

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## Monday, March 14

### Afternoon Sessions

13:30	<i>Early Afternoon Workshop 1: Surgical Techniques for Biointegral Conduit implantation</i>	K. Smiris (Dortmund) A. Blehm (Düsseldorf)
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### Late Afternoon Sessions

15:15	Conference Opening	G. Laufer / T. Fischlein D. Zimpfer / I. Michel-Behnke
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### Aortic Valve Disease: Surgery And Interventions

<b>15:30</b>	<b>Session A: Guidelines And Evidence</b>	<b>J. Takkenberg (Rotterdam) A. Bauer (Innsbruck)</b>
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15+5	Asymptomatic and moderate aortic stenosis: Ready for intervention/surgery?	R. Rosenhek (Vienna)
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15	Should we challenge the guidelines for AS? Interventional perspective	A. Bauer (Innsbruck)
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15	Should we challenge the guidelines for AS? Surgeon's perspective	G. Laufer (Vienna)
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10	Debate	A. Bauer (Innsbruck)/G. Laufer (Vienna)
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20+10	<b>KEYNOTE LECTURE:</b> From the guideline-committee: What I would do different in 2022?	R. de Paulis (Rome)
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17:00	Break	
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<b>17:30</b>	<b>Session B: Aortic Valve Disease – New (Old) Kids On The Block</b>	<b>H. Reichenspurner (Hamburg) R. de Paulis (Rome)</b>
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15+5	Root reinforced Ross and PEARS	J. Takkenberg (Rotterdam)
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15+5	Ozaki Procedure – Orphan or routine procedure?	D. Zimpfer (Vienna)
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15+5	Biological root replacement: Experience with the biosurgical Bio-Integral Conduit	K. Smiris (Dortmund)
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15+5	Volume requirements for TAVI procedures	V. Schächinger (Fulda)
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19:00	End of session	
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## Tuesday, March 15

### Morning Sessions: Pediatrics 3 and 4

<b>9:00</b>	<b>Session A: Pediatric Teaching Session</b>	<b>T. Mroczek (Krakow) P. Ewert (Munich)</b>
10+5	Live in a box: Norwood Operation	T. Mroczek (Krakow)
10+5	Novel devices and techniques for transcatheter pulmonary valve implantation	S. Schubert (Bad Oeyenhausen)
10+5	Live in a box: Nikaido-Operation in patients with coronary anomalies	T. Mroczek (Krakow)
10+5	Interventional approaches for pulmonary artery stenosis	P. Ewert (Munich)
10+5	Current state of interventional VSD closure	E. Kitzmüller (Vienna)
10:30	Break	
<b>11:00</b>	<b>Session B: PA-VSD-MAPCA</b>	<b>D. Zimpfer (Vienna) S. Greil (Vienna)</b>
15+5	Surgical pathway in PA-VSD-MAPCA	R. Mair (Linz)
15+5	Catheterization/interventions in PA-VSD-MAPCA	I. Michel-Behnke (Vienna)
15+5	Long term prognosis - adults with PA-VSD-MAPCA	W. Budts (Leuven)
15+5	HTX/HLTX in PA-VSD-MAPCA	S. Greil (Vienna)
12:30	Lunch break	



## Tuesday, March 15

### Afternoon Sessions

13:30	<i>Early Afternoon Workshop 2: Echocardiography for surgeons</i>	R. Rosenhek (Vienna)
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Break

### Late Afternoon Sessions

## Not So Forgotten Anymore – The Tricuspid Valve

<b>15:30</b>	<b>Session A: Echo, Pathophysiology And Guidelines</b>	<b>A. Zirlik (Graz) M. Diena (Milan)</b>
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15+5	Echocardiographic assessment of the tricuspid Valve and RV	R. Rosenhek (Vienna)
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30+10	<b>KEYNOTE LECTURE:</b> Valve guidelines 2021 and tricuspid incompetence	S. Benussi (Brescia)
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15+5	What is not known about the tricuspid valve 2022	T. Doenst (Jena)
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17:00 Break

<b>17:30</b>	<b>Session B: Procedure For Tricuspid Incompetence</b>	<b>S. Benussi (Brescia) T. Doenst (Jena)</b>
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15+5	Surgical repair techniques for tricuspid incompetence	H. Reichenspurner (Hamburg)
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15+5	Mini invasive surgery in chronic tricuspid regurgitation	M. Diena (Milan)
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15+5	The Triclip Procedure	A. Zirlik (Graz)
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15+5	Novel approaches to functional tricuspid incompetence	M. Andreas (Vienna)
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19:00 End of session

## Wednesday, March 16

### Morning Sessions: Pediatrics 5 and 6

<b>9:00</b>	<b>Session A: Perfusion And Intensive Care</b>	<b>A. Ruffer (Hamburg) E. Base (Vienna)</b>
15+5	Beating heart aortic arch surgery	R. Cesnjevar (Zurich)
15+5	Novel perfusion concepts for aortic arch surgery – techniques and current evidence	C. Atteneder (Vienna)
15+5	Fast track pediatric cardiac surgery	E. Base (Vienna)
15+5	Transfusion free congenital heart surgery	A. Ruffer (Hamburg)
10:30	Break	
<b>11:00</b>	<b>Session B: Hot Topics</b>	<b>M. Hübler (Hamburg)/M. Gass (Zurich)</b>
15+5	Trametinib in children with HOCM	C. Wolf (Munich)
15+5	3D-mapping and ablation in children	M. Gass (Zurich)
15+5	Interventional stage I in HLHS (internal banding)	D. Schranz (Giessen)
15+5	MCS transplant for failing fontan	D. Zimpfer (Vienna)
12:30	Lunch break	

## Wednesday, March 16

### Afternoon Sessions

13:30	<i>Early Afternoon Workshop 3: Impella – Implant Techniques</i>	D. Schibilsky (Freiburg)
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15:00	Break	
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### Late Afternoon Sessions

### COVID And ECLS

<b>15:30</b>	<b>Session A: COVID, COVID, COVID</b>	<b>R. Lorusso (Maastricht) T. Staudinger (Vienna)</b>
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15+5	COVID-19: past, present and future	J. Steinmann (Nuremberg)
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15+5	Impact of COVID-19 on the treatment of CV disease	P. Vogt (Zurich)
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30+10	<b>KEYNOTE LECTURE:</b> ECLS – ECMO support in COVID patients	T. Staudinger (Vienna)
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17:00	Break	
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<b>17:30</b>	<b>Session B: Short Term Cardio-Respiratory Support</b>	<b>P. Vogt (Zurich) D. Wiedemann (Vienna)</b>
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15+5	Postcardiotomy ECLS – ECMO: Did we improve?	D. Wiedemann (Vienna)
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30+10	<b>KEYNOTE LECTURE:</b> Postcardiotomy syndrome, ECMO (ECLS) treatment – state of the art	R. Lorusso (Maastricht)
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15+5	Supplement Impella for RV and ECMELLA support	D. Zimpfer (Vienna)
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19:00	End of session	
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# SCIENTIFIC PROGRAM



Thursday, March 17

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## Morning Session

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**9:00**    **Session FREE PRESENTATIONS**                    **H. Dörge (Fulda)/M. Andreas (Vienna)**

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Rhythm outcome predictors in patients undergoing concomitant AF Ablation: Retrospective data analysis of more than 1000 patients O. Bhadra (Hamburg)

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Spatial transcriptomics – a new tool to decipher transcriptomic heterogeneity on a single cell level in tissue: A pilot study in human atherosclerotic plaques M. Bilban (Vienna)

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Spatial transcriptomics – a new tool to decipher transcriptomic heterogeneity on a single cell level in tissue: A pilot study in human atherosclerotic plaques M. Beyer (Hamburg)

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TCRAT – total coronary revascularisation via left anterior thoracotomy H. Dörge (Fulda)

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12:00    Lunch break

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Thursday, March 17

## Afternoon Sessions

13:30 *Early Afternoon Workshop 4:  
Hands-on RAM device and Cor-Knot* M. Andreas (Vienna)

15:00 Break

## Late Afternoon Sessions

### Hot Topics In Cardiovascular Disease

**15:30 Session A: "Gamechanger"?** **G. Laufer (Vienna)  
T. Fischlein (Nuremberg)**

15+5 Implications of the LAAOS 3 Study T. Fischlein (Nuremberg)

30+10 **KEYNOTE LECTURE:** miRNA based therapy for CV disease A. Zirlík (Graz)

15+5 Heart failure networks A. Zuckermann (Vienna)

17:00 Break

**17:30 Session B: Process Optimisation In Cardiovascular Medicine** **J. Vitzthum (Munich)  
A. Marmureanu (L. A.)**

15+5 Six sigma / lean management for the cardiovascular workflow J. Vitzthum (Munich)

15+5 INCREASE program in cardiac surgery E. Girdauskas (Augsburg)

15+5 Risk adjusted outcome research - adult A. Zuckermann (Vienna)

15+5 Risk adjusted outcome research - congenital C. Herbst (Vienna)

19:00 End of session

# SCIENTIFIC PROGRAM



Friday, March 18

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## Morning Session

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**9:00**    **Session FREE PRESENTATIONS**                    **C. Ablasser (Graz)/M. Knaut (Dresden)**

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Evaluation of the digital health application for heart failure patients (ProHerz) – first results from a pilot study	F. Husri (Nuremberg)
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Intraoperative Cytosorb Hemoadsorption reduces sepsis-related death in patients with active native and prosthetic left-sided infective endocarditis	H. Mamdooh (Nuremberg)
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Impact of major aorto and ventricular collaterals on outcomes after repair of pulmonary atresia and ventricular septal defect	M. Stumm (Munich)
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Biogenic polymer based heart valves for congenital cardiac surgery	P. Heinisch (Munich)
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Bacterial cellulose-based patches for congenital cardiac surgery - Feasibility Study	P. Heinisch (Munich)
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12:00    Lunch break

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## Friday, March 18

### Afternoon Sessions

13:30 *Early Afternoon Workshop 5: How to implant a baroreceptor stimulation device* M. Knaut (Dresden)

15:00 Break

### Late Afternoon Sessions

#### Novel Devices For Cardiovascular Disease

**15:30 Session A: Device Therapy 1 H. Schmidinger (Vienna)/S. Eckl (Forchheim)**

30+10 **KEYNOTE LECTURE:** Baroreceptor stimulation for hypertension and HF therapy M. Knaut (Dresden)

15+5 Device therapy for sleep apnoe – the REMEDE device C. Schöbel (Essen)

15+5 Continuous PA pressure measurement – the CARDIOMEMS device C. Ablasser (Graz)

17:00 Break

**17:30 Session B: Device Therapy 2 M. Knaut (Dresden)/C. Schukro (Vienna)**

15+5 State of the art in leadless pacing D. Scherr (Graz)

15+5 The LIFEVEST and sICD: When is the application justified? C. Schukro (Vienna)

15+5 Event-recording by implantable and smart wearable devices H. Schmidinger (Vienna)

15+5 Telemedical surveillance of the cardiovascular patient S. Eckl (Forchheim)

19:00 Closing remarks – adjourn G. Laufer (Vienna)  
T. Fischlein (Nuremberg)

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# NOTES



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