

PROGRAMM

<https://mcs-ets.com/>



4th ETS

2026 Hannover

European Training Symposium
on Advanced Heart Failure Therapies
June 18 – 20, 2026
Medical Park Hannover

ORGANIZING COMMITTEE

Dr. D. Berliner, Hannover Medical School
Prof. Dr. J. Bauersachs, Hannover Medical School
Prof. Dr. A. Ruhparwar, Hannover Medical School
Prof. Dr. J.-D. Schmitt, Hannover Medical School
Prof. Dr. P. Mohacsi, HerzGefäßZentrum Zürich

WELCOME

Dear Colleagues,

It is our great pleasure to welcome you to the **4th European Training Symposium (ETS)** on Advanced Heart Failure Therapies, taking place from June 18–20, 2026, in Hannover, Germany.

Advanced heart failure remains one of the most challenging areas in cardiovascular medicine. While mechanical circulatory support (MCS) and heart transplantation (HTx) are essential for selected patients, modern management is increasingly driven by optimized medical therapy and innovative treatment approaches.

Key Developments

- Guideline-directed quadruple therapy
- Novel neurohormonal and disease-modifying treatments
- Advances in precision medicine and biomarker-guided care
- Emerging gene- and RNA-based therapies

What to Expect

This symposium offers a focused and forward-looking overview of:

- Pharmacological, mechanical, and surgical therapies
- Patient selection and timing of interventions
- Current and next-generation MCS technologies
- Right heart management and anticoagulation strategies
- Interdisciplinary insights (e.g. material science, robotics)
- Who Should Attend
- Cardiologists
- Cardiac surgeons
- Perfusionists and VAD coordinators
- Physicians and general practitioners
- Nurses and medical technical assistants

Join Us in Hannover

We invite you to join us for three days of high-level education, interdisciplinary exchange, and international networking. We look forward to welcoming you.

Organizing Committee

Hannover Medical School

*Prof. Dr. Johann Bauersachs
Dr. Dominik Berliner
Prof. Dr. Arjang Ruhparwar
Prof. Dr. Jan Schmitto*

HerzGefäßZentrum Zürich – Klinik im Park

Prof. Dr. Paul Mohacsi

GENERAL INFO

VENUE

June 18–20, 2026
Medical Park Hannover
Feodor-Lynen-Straße 27
30625 Hannover
Germany

ORGANIZING COMMITTEE

- Dr. D. Berliner, Hannover Medical School
- Prof. Dr. J. Bauersachs, Hannover Medical School
- Prof. Dr. A. Ruhparwar, Hannover Medical School
- Prof. Dr. J.-D. Schmitto, Hannover Medical School
- Prof. Dr. P. Mohacsi, HerzGefäßZentrum Zürich

ORGANIZER



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PROGRAM

THURSDAY	
12:30 pm	PRE-LUNCH SYMPOSIUM INDUSTRY-SPONSORED
01:30 pm	Opening
02:00 pm	1ST SESSION: MAGNITUDE OF THE CHALLENGE
03:30 pm	COFFEE BREAK
04:00 pm	2ND SESSION: KEY ISSUES OF ADVANCED HEART FAILURE
05:30 pm	3RD SESSION: DISTINGUISHED SPECIAL LECTURE
FRIDAY	
08:30 am	4TH SESSION: RIGHT HEART AND PULMONARY HYPERTENSION
10:00 am	Coffee break incl. poster session 1
11:00 am	5TH SESSION: ADVANCED HF MANAGEMENT
01:00 pm	LUNCH SYMPOSIUM INDUSTRY-SPONSORED
02:00 pm	6TH SESSION: MCS: HOW TO MANAGE NOWADAYS (1)
03:15 pm	COFFEE BREAK INCL. POSTER SESSION 2
04:00 pm	7TH SESSION: HEART TRANSPLANTATION: WHAT CLINICIANS SHOULD KNOW ABOUT IMMUNOLOGY?
06:00 pm	8TH SESSION: THE FUTURE OF CARDIOVASCULAR MEDICINE

PROGRAM

SATURDAY	
08:30 am	9TH SESSION: MCS: HOW TO MANAGE NOWADAYS (2)
10:00 am	COFFEE BREAK
10:30 am	10TH SESSION: ACUTE HF AND CARADIOGENIC SHOCK
12:00 pm	LUNCH BREAK
12:30 pm	LUNCH SYMPOSIUM INDUSTRY-SPONSORED
01:00 pm	11TH SESSION: RECENT ADVANCES IN CAR- DIOMYOPATHIES AND MYOCARDITIS
02:30 pm	COFFEE BREAK
02:45 pm	12TH SESSION: THE FUTURE
04:35 pm	CLOSING SESSION – POSTER PRIZES

PROGRAM

THURSDAY JUNE 18, 2026	
11:30 am	REGISTRATION
12:30 pm - 13:00 pm	PRE-LUNCH SYMPOSIUM INDUSTRY-SPONSORED
01:30 pm - 02:00 pm	OPENING
<i>D. Hilfiker-Kleiner (Hannover, D), A. Ruhparwar (Hannover, D), J. Bauersachs (Hannover, D), J.-D. Schmitto (Hannover, D), D. Berliner (Hannover, D) and P. Mohacsi (Zurich, CH)</i>	
WELCOME ADDRESS	<ul style="list-style-type: none"> • Paul Mohacsi (Zurich, CH) • Denise Hilfiker-Kleiner (Hannover, D) • T. Klapproth (Mayor Hannover, D.)
02:00 pm - 03:30 pm	1ST SESSION: MAGNITUDE OF THE CHALLENGE <i>Chairs: A. Ruhparwar (Hannover, D), J. Bauersachs (Hannover, D)</i>
02:00 pm	Why is Heart Failure underestimated? <i>D. Berliner (Hannover, D)</i>
02:20 pm	Morbidity and Mortality of Heart Failure <i>M. Böhm (Homburg, D)</i>
02:40 pm	The Concept of “Heart Cancer” <i>P. Mohacsi (Zurich, CH)</i>
02:55 pm	What does the next generation think? <i>A. Jakstäite (Hannover, D)</i>
03:15 pm	Q&A: Discussion with the speakers
03:30 pm - 04:00 pm	COFFEE BREAK

PROGRAM

THURSDAY JUNE 18, 2026	
04:00 pm - 05:30 pm	2ND SESSION: KEY ISSUES OF ADVANCED HEART FAILURE <i>Chairs: D. Berliner (Hannover, D), P. Mohacsi (Zurich, CH), N. Nyolczas (Budapest, HU)</i>
04:00 pm	Kidney Failure <i>A. Serra (Zurich, CH)</i>
04:20 pm	Frailty <i>S. Joseph (Philadelphia, US)</i>
04:40 pm	INTERMACS criteria <i>J. Hanke (Hannover, D)</i>
04:55 pm	“I need help” <i>M. Wallner (Graz, AU)</i>
05:15 pm	Q&A: Discussion with the speakers
05:30 pm - 06:30 pm	3RD SESSION DISTINGUISHED SPECIAL LECTURE <i>Chairs: P. Mohacsi (Zurich, CH), A. Ruhparwar (Hannover, D), J. Bauersachs (Hannover, D)</i>
05:30 pm - 06:30 pm	Using non-coding RNA to develop new drugs <i>T. Thum (Hannover, D)</i>

PROGRAM

FRIDAY | JUNE 19, 2026

08:30 am - 10:00 am	4TH SESSION: RIGHT HEART AND PULMONARY HYPERTENSION <i>Chairs: E. Rame (Philadelphia, US), D. Berliner (Hannover, D), J.-D. Schmitto (Hannover, D)</i>
08:30 am	Mechanisms of RV failure <i>M. Arrigo (Lugano, CH)</i>
08:50 am	HF and devices: Early Right Heart Failure <i>E. Rame (Philadelphia, US)</i> Late Right Heart Failure <i>N. Uriel (New York, US)</i>
09:30 am	Pulmonary hypertension <i>M. Hoeper (Hannover, D)</i>
09:50 am	Q&A: Discussion with the speaker
10:00 am - 10:45 am	COFFEE BREAK INCL. POSTER SESSION 1
10:45 am - 12:40 pm	5TH SESSION: ADVANCED HF MANAGEMENT <i>Chairs: N. Uriel (New York, US), D. Berliner (Hannover, D), I. Hartyanszky (Budapest, HU)</i>
10:45 am	Optimal Drug therapy <i>M. Boehm (Homburg, D)</i>
11:05 am	CRT-update <i>B. Merkely (Budapest, HU)</i>
11:25 am	Edge-to-edge valve repair <i>P. Lurz (Mainz, D)</i>
11:45 am	ICD-update (incl WCD) <i>D. Duncker (Hannover, D)</i>
12:05 am	Baroreflex activation therapy <i>J. Schmidli (Bern, CH)</i>
12:20 pm	Q&A: Discussion with the speakers

PROGRAM

FRIDAY | JUNE 19, 2026

01:00 pm - 02:00 pm	LUNCHSYMPOSIUM INDUSTRY-SPONSORED
02:00 pm - 03:15 pm	6TH SESSION: MCS: HOW TO MANAGE NOWADAYS (1) <i>Chairs: G. Dogan (Hannover, D), A. Meyer (Heidelberg, D)</i>
02:00 pm	Update MCS therapy <i>J.-D. Schmitto (Hannover, D)</i>
02:15 pm	Anticoagulation incl. ARIES and Apixaban for anticoagulation <i>B. Schnegg (Bern, CH)</i>
02:30 pm	Hemodynamics <i>N. Uriel (New York, USA)</i>
02:50 pm	Infections in MCS patients <i>C. Eckmann (Hannoversch. Münden, D)</i>
03:05 pm	Q&A: Discussion with the speakers
03:15 pm - 04:00 pm	COFFEE BREAK INCL. POSTER SESSION 2

PROGRAM

FRIDAY | JUNE 19, 2026

04:00 pm - 06:00 pm	7TH SESSION: HEART TRANSPLANTATION: WHAT CLINICIANS SHOULD KNOW ABOUT IMMUNOLOGY? <i>Chairs: C. Falk (Hannover, D), L. Chatenoud (Paris, F), P. Mohacsi (Zurich, CH)</i>
04:00 pm	Translational Research in Transplantation <i>tba</i>
04:20 pm	How foreign or self is differentiated by the immune system <i>P. Matzinger (Bethesda, US)</i>
04:50 pm	CD3-antibodies (Teplizumab for T1D) <i>L. Chatenoud (Paris, F)</i>
05:10 pm	How can we avoid rejection <i>S. Schrepfer (San Francisco, US)</i>
05:35 pm	Celltherapy & personalized immunosuppression <i>P. Reinke (Berlin, D)</i>
05:55 pm	Q&A: Discussion with the speakers
06:15- 07:15	8TH SESSION: THE FUTURE OF CARDIOVASCULAR MEDICINE <i>Chairs: A. Ruhparwar (Hannover, D), J. Bauersachs (Hannover, D)</i>
06:15 pm	Micro-Robotics in Medicine <i>S. Schürle-Finke (ETH, Zurich, CH)</i>
06:45 pm	AI – influence on heart medicine <i>A. Zirlík (Graz, A)</i>
07:15 pm	Q&A: Discussion with the speakers

PROGRAM

SATURDAY | JUNE 20, 2026

08:30 pm - 10:00 pm	9TH SESSION: MCS: HOW TO MANAGE NOWADAYS (2) <i>Chairs: J. Hanke (Hannover, D), S. Joseph (Philadelphia, US), G. Dogan (Hannover, D)</i>
08:30 am	Aiming for Recovery <i>S. Drakos, (Salt Lake City, US)</i>
08:55 am	Gastrointestinal side effects: how to treat <i>A. Meyer (Heidelberg, D)</i>
09:10 am	Neurological complications <i>M. Gabriel (Hannover, D)</i>
09:25 am	Pediatric VADS <i>tba</i>
09:45 am	Q&A: Discussion with the speakers
10:00 am - 10:30 am	COFFEE BREAK
10:30 am - 12:00 am	10TH SESSION: ACUTE HF AND CARIOGENIC SHOCK <i>Chairs: B. Schmack (Hannover, D), P. Leprince (Paris, F)</i>
10:30 am	Acute HF and Shock <i>M. J. Bonios (Athens, Greece)</i>
10:50 am	Drugs in Acute HF <i>P. Raake (Augsburg, D)</i>
11:10 am	ECMO <i>P. Leprince (Paris, F)</i>
11:30 am	Impella / ECMELLA <i>B. Schmack (Hannover, D)</i>
11:50 am	Q&A: Discussion with the speakers
12:00 pm - 12:30 pm	LUNCH BREAK
12:30 pm - 01:00 pm	LUNCHSYMPOSIUM INDUSTRY-SPONSORED

PROGRAM

SATURDAY | JUNE 20, 2026

01:00 pm - 02:30 pm | **11TH SESSION: RECENT ADVANCES IN CARDIOMYOPATHIES AND MYOCARDITIS**

*Chairs: C. Tschoepe (Berlin, D),
L. T. Cooper (Rochester, US)*

01:00 pm | **Diagnostics of myocarditis**
C. Tschoepe (Berlin, D)

01:15 pm | **Giant cell myocarditis**
L. T. Cooper (Rochester, US)

01:40 pm | **Peripartum Cardiomyopathy**
J. Bauersachs (Hannover, D)

02:00 pm | **Non-compact cardiomyopathy: does it exist?**
C. Attenhofer Jost (Zurich, CH)

02:20 pm | Q&A: Discussion with the speakers

02:30 pm - 02:45 pm | COFFEE BREAK

02:45 pm - 04:35 pm | **12TH SESSION: THE FUTURE**

Chairs: A. Ruhparwar (Hannover, D), M. Schmoeckel (Munich, D), A. Dommann (St. Gallen, CH)

02:45 pm | **Engineering challenges for MCS**
S. Jansen (Aachen, D)

03:00 pm | **Newest VAD technology**
J. Schmitto (Hannover, D)

03:15 pm | **TAH**
P. Leprince (Paris, F)

03:30 pm | **iPS cells - a silver lining on the horizon?**
R. Zweigerdt (Hannover, D)

03:50 pm | **Xenotransplantation - where do we stand right now?**
S. Joseph (Philadelphia, US)

04:25 pm | Q&A: Discussion with the speakers

04:35 pm | **CLOSING SESSION**

Chairs: P. Mohacsi (Zurich, CH), D. Berliner (Hannover, D), J. Schmitto (Hannover, D)

SPEAKERS & MODERATORS

Prof. Dr. med. Mattia Arrigo
Ospedale Regionale di Lugano

Prof. Dr. med. Christine Attenhofer Jost
HerzGefässZentrum Im Park

Prof. Dr. med. Johann Bauersachs
Medizinische Hochschule Hannover –
Klinik für Kardiologie und Angiologie

Prof. Dr. med. Udo Bavendiek
Medizinische Hochschule Hannover –
Klinik für Kardiologie und Angiologie

Dr. med. Dominik Berliner
Medizinische Hochschule Hannover –
Klinik für Kardiologie und Angiologie

Prof. Dr. med. Michael Böhm
Universitätsklinikum des Saarlandes –
Klinik für Innere Medizin III

PD Dr. med. Sören Brandenburg
Universitätsmedizin Göttingen

Dr. Michael J. Bonios
Onassis Cardiac Surgery Center Athen

Prof. Dr. Lucienne Chatenoud
Institut Necker Enfants Malades

Prof. Dr. Leslie T. Cooper
Mayo Clinic Florida

Dr. med. Günes Dogan
Medizinische Hochschule Hannover –
Klinik für Herz-, Thorax-, Transplantations- und Gefäßchirurgie

Prof. em. Dr. Alex Dommann
ARTORG Center

Prof. Dr. med. Stavros G. Drakos
University of Utah

Prof. Dr. med. David Duncker
Medizinische Hochschule Hannover –
Klinik für Kardiologie und Angiologie

Prof. Dr. med. Christian Eckmann
Klinikum Hannoversch-Münden – Department of Surgery

Univ. Prof. Dr. med. Frank Edelmann
Deutsches Herzzentrum der Charité

Professor Dr. Christine Falk
Medizinische Hochschule Hannover –
Institut für Transplantationsimmunologie

SPEAKERS & MODERATORS

Dr. med. Maria M. Gabriel

Medizinische Hochschule Hannover – Klinik für Neurologie

Prof. Dr. med. Jasmin Hanke

Medizinische Hochschule Hannover –
Klinik für Herz-, Thorax-, Transplantations- und Gefäßchirurgie

Dr. med. habil. István Hartyánszky

Semmelweis University – Heart and Vascular Center

Prof. Dr. phil. nat. Denise Hilfiker-Kleiner

Medizinische Hochschule Hannover

Prof. Dr. med. Marius Hoepfer

Medizinische Hochschule Hannover –
Klinik für Pneumologie und Infektiologie

Dr. med. Aiste Monika Jakstaite

Medizinische Hochschule Hannover –
Klinik für Kardiologie und Angiologie

Dr.-Ing. Sebastian V. Jansen

RWTH Aachen University –
Institut für Angewandte Medizintechnik

Prof. Dr. Susan M. Joseph

Thomas Jefferson University Hospital

Prof. Dr. Pascal Leprince

Sorbonne Université – Pitié-Salpêtrière

Univ. Prof. Dr. Dr. med. Philipp Lurz

Universitätsmedizin Mainz – Zentrum für Kardiologie

Dr. Polly Matzinger

NIAID

Prof. Dr. med. Anna Meyer

Universitätsklinikum Heidelberg – Klinik für Herzchirurgie

Prof. Dr. Béla Merkely

SEMMELEWIS UNIVERSITY Budapest

Prof. Dr. med. Paul Mohacsi

HerzGefässZentrum Zürich

PD Dr. med. Caroline Morbach

Universitätsklinikum Würzburg

Dr. med. Noémi Nyolczas

Military Hospital – State Health Center

Prof. Dr. med. Philip Raake

Universitätsklinikum Augsburg - I. Medizinische Klinik

Prof. Dr. Eduardo Rame

Thomas Jefferson University

SPEAKERS & MODERATORS

Prof. Dr. med. Petra Reinke

Charité – Fatigue Centrum

Prof. Dr. med. Arjang Ruhparwar

Medizinische Hochschule Hannover – Klinik für Herzchirurgie

Prof. Dr. med. Bastian Schmack

Medizinische Hochschule Hannover – Klinik für Herzchirurgie

Prof. Dr. med. Jürg Schmidli

Universitätsspital Bern – Herz- und Gefäßchirurgie

Prof. Dr. med. Jan D. Schmittó

Medizinische Hochschule Hannover – Klinik für Herzchirurgie

Dr. med. Bruno Schnegg

Inselspital Bern – Kardiologie

Prof. Dr. med. Michael Schmoeckel

LMU Klinikum

Prof. Dr. Sonja Schrepfer

UCSF – Department of Surgery

Prof. Dr. Simone Schürle-Finke

ETH Zürich – Medizinische Mikrosysteme

Prof. Dr. med. Andreas Serra

Zentrum für Nephrologie und Dialyse

Prof. Dr. med. Thomas Skripuletz

Medizinische Hochschule Hannover – Neurologie

PD Dr. med. Kristina Sonnenschein

Medizinische Hochschule Hannover –
Klinik für Kardiologie und Angiologie

Prof. Dr. med. Sebastian Spethmann

Deutsches Herzzentrum der Charité

Prof. Dr. Dr. med. Thomas Thum

Medizinische Hochschule Hannover –
Molekulare Therapiestrategien

Univ.-Prof. Dr. med. Carsten C. Tschöpe

Deutsches Herzzentrum der Charité

Prof. Dr. Nir Y. Uriel

Columbia University

Prof. Dr. med. Markus Wallner

Medical University of Graz – Kardiologie

Univ. Prof. Dr. med. Andreas Zirlig

Medizinische Universität Graz

PD Dr. rer. nat. Robert Zweigerdt

Medizinische Hochschule Hannover

GENERAL INFO

VENUE

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- Prof. Dr. P. Mohacsi, HerzGefäßzentrum Zürich

ORGANIZER



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PATRONAGE

Event endorsed by



4th **ETS**
2026 Hannover

FURTHER INFORMATION

GENERAL INFO

PARTICIPATION

Registration fees

	Early Registration Fee (open until May 15, 2026)	Standard Registration Fee (open from May 16, 2026)	On-site Registration Fee
Standard Fee	450,00 €	500,00 €	550,00 €
Students / Nurses:	300,00 €	300,00 €	300,00 €
Employees of the Medical Center (MHH)	100,00 €	100,00 €	100,00 €

Registration via the online form is required. Please note that space is limited and registrations will therefore be processed on a first-come, first-served basis.

CERTIFICATION

The event has been submitted for certification to the Lower Saxony Medical Association and the European Accreditation Council for Continuing Medical Education (EACCME®).



REGISTER ONLINE NOW!

PROGRAM LUNCH SYMPOSIUM

THURSDAY | JUNE 18, 2026

12:30 pm - 13:00 pm	PRE-LUNCH SYMPOSIUM Stopping the Slide: Strategies to Prevent Advanced HF by Controlling Hypertension, Delivering GDMT, and Unmasking Cardiac Amyloidosis Early AstraZeneca GmbH <i>Chairs: J. Bauersachs (Hannover, D), D Berliner (Hannover, D)</i>
12:30 pm	Hard-to-control hypertension <i>M. Böhm (Homburg, D)</i>
12:50 pm	Guideline-Directed Medical Therapy (GDMT): Early Implementation, Adherence and Outcome Optimization <i>F. Edelmann (Berlin, D)</i>
01:10 pm	Early Detection, Better Prognosis: Advancing the Management of Cardiac ATR Amyloidosis <i>C. Morbach (Würzburg, D)</i>

FRIDAY | JUNE 19, 2026

01:00 pm - 02:00 pm	LUNCH SYMPOSIUM AMYLOIDOSIS - ADVANCED HF IN HFPEF Alnylam Germany GmbH <i>Chairs: D. Berliner (Hannover, D), S. Spethmann (Berlin, D)</i>
01:00 pm	Pathophysiology & epidemiology of amyloidosis <i>C. Morbach (Würzburg, D)</i>
01:30 pm	Diagnostics and treatment of amyloidosis in a dedicated amyloidosis center <i>U. Bavendiek (Hannover, D), T. Skripuletz (Hannover, D)</i>

SATURDAY | JUNE 20, 2026

12:30 pm - 01:00 pm	<p>LUNCHSYMPOSIUM AFICAMTEN AND THE EVOLUTION OF HOCM THERAPY: BRIDGING CLINICAL TRIALS AND CLINICAL PRACTICE Cytokinetics Germany GmbH <i>Chairs: K. Sonnenschein (Hannover, D), S. Brandenburg (Göttingen, D)</i></p>
12:30 pm	<p>Welcome and introduction <i>K. Sonnenschein (Hannover, D)</i></p>
12:35 pm	<p>From single trees to a growing forest: Comprehensive evidence from SEQUOIA- HCM to FOREST-HCM <i>K. Sonnenschein (Hannover, D), S. Brandenburg (Göttingen, D)</i></p>
12:45 pm	<p>From evidence to action: Integrating aficamten as a nextinclass therapy into clinical practice <i>K. Sonnenschein (Hannover, D), S. Brandenburg (Göttingen, D)</i></p>
12:55 pm	<p>Q&A: Discussion with the speakers</p>

SPONSORS

**WE WOULD LIKE TO THANK THE FOLLOWING
COMPANIES FOR THEIR KIND SUPPORT**



Bayer Vital GmbH⁶
Berlin Heart GmbH⁶
Klinik Fallingbostal⁶
Novo Nordisk Pharma GmbH⁶

Disclosure of support in accordance with the extended transparency requirement of the FSA Code for Healthcare Professionals (§20 para. 5):

1. 30.000 EUR | 2. 20.000 EUR | 3. 15.000 EUR | 4. 10.000 EUR |
5. 5.000 EUR | 6. 3.500 EUR

Exhibition space *) Symposium

