

GERMAN HEART CENTER
FOUNDATION

DISTINGUISHED LECTURES

BEYOND THE HEART

AI-Driven Leap Innovations in Radiology and Cardiology

Prof. Dr. Dr.-Ing. h.c.
Heinz-Otto Peitgen

Jun. 25, 2026

Thomas Michael Höhn-Haus
Amrumer Straße 32 | 13353 Berlin
Next to Charité Campus Virchow-Klinikum

Beyond the Heart

Distinguished Lectures on the Future of Medicine and Health

Cardiovascular diseases are the leading cause of death in industrialized countries, placing cardiovascular medicine at the center of modern healthcare. As such, it is closely connected to numerous medical subspecialties and shaped by technological advances as well as institutional and socioeconomic dynamics.

The Beyond the Heart lecture series explores topics that transcend cardiovascular medicine and address the future of healthcare and medicine as a whole. The bi-monthly series is hosted by the German Heart Center Foundation at its headquarters at the Charité Campus Virchow Klinikum.





Jun. 25, 2026

Leap Innovations in Radiology and Cardiology

**How AI-Driven Breakthroughs are Transforming
Diagnostics and Interventions Today and Redefining
Precision Tomorrow**

In this talk, Prof. Peitgen reveals how cutting-edge AI is revolutionizing radiology and cardiology—unlocking faster, more precise imaging and earlier diagnoses. From automated reporting and smart risk prediction to real-time support in interventions and minimally invasive procedures, he showcases breakthroughs already reshaping clinical practice. Looking ahead, he envisions a new era of precision medicine powered by continuously learning algorithms, making care more personalized, efficient, and impactful than ever before.

Heinz-Otto Peitgen is a German mathematician who has taught at the University of Bremen, the University of California, Santa Cruz, and Florida Atlantic University in Boca Raton. Among many honors, he received the Officer's Cross of the Order of Merit of the Federal Republic of Germany in 1996 and the Werner Körte Gold Medal of the German Society of Surgery in 2005 for developing software to identify patient-specific risks in complex liver surgery. His books on chaos and fractals were international bestsellers for decades. His research

began in pure and applied mathematics and later expanded to financial mathematics, mathematics education, computer graphics, and the digital transformation of medicine. In 1995, he founded an independent medical research center that became part of the Fraunhofer Society in 2008 as Fraunhofer MeVIS.

Program

- 18:00** **Doors open**
- 18:15** **Welcome**
Prof. Dr. Hans Maier
- 18:20** **Lecture and discussion**
**Leap Innovations in Radiology
and Cardiology**
Prof. Dr. Dr.-Ing. h.c.
Heinz-Otto Peitgen
- 19:15** **Get-together**
with Drinks & Finger Food
- 20:00** **End**

Registration

Registration using LUMA is kindly requested.



<https://luma.com/e15bsjft>

About the Foundation

The German Heart Center Foundation is a private, non-profit organization committed to advancing cardiovascular health. In a public-private partnership with Charité, it jointly runs **Deutsches Herzzentrum der Charité (DHZC)**, one of the world's leading academic heart centers.

Through targeted strategic funding initiatives, the foundation supports **innovative patient care, translational research** and **scientific excellence**, while fostering outstanding **education and training** — all for the lasting benefit of patients.

The foundation also fosters collaboration through international partnerships and scientific events. **Cardiovascular Conversations** offers a monthly platform for young scholars to discuss recent findings at the interface of research and clinical practice; every other month, **Beyond the Heart** stimulates interdisciplinary dialogue across the broader healthcare landscape; and **Berlin Cardio Futures** convenes leading international experts at an annual by-invitation meeting to discuss strategies shaping cardiovascular health over the next decade.

Contact

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