



VIENNA  
April 9-10 **2026**

8th European Symposium On Focused Ultrasound Therapy  
1st Vienna Clinical Brain-FUS Symposium

[www.eufus.org](http://www.eufus.org)



**VIENNA, Frankgasse 8**  
**Billrothhaus**  
**APRIL 9-10**  
**2026**

**8th European  
Symposium  
of EUFUS**



**Focused  
Ultrasound  
of the  
Brain**



**PROGRAM**

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# Welcome

Vienna—renowned for its elegance, culture, and scientific heritage—hosts our congress in the historic Billrothhaus, home of the venerable Society of Physicians in Vienna. This landmark venue, where generations of physicians advanced medical knowledge, provides an inspiring background for the advancement of therapeutic ultrasound of the brain. This year's program will bring together clinicians, scientists, engineers, and industry partners from around the world to share the latest advances, exchange ideas, and shape the future of patient care. Topics will include:

- Clinical Ultrasound Neuromodulation: Dementia, Parkinson's disease, depression, pain, epilepsy, psychiatric disorders, and more
- Clinical Ultrasound Blood–Brain Barrier Opening: Brain gene and cell therapy, brain tumors, Alzheimer's disease, and related applications
- Clinical Ultrasound Ablation: Essential tremor, Parkinson's disease, and other neurological conditions
- Novel Focused Ultrasound Approaches: Emerging preclinical and clinical research and innovative applications

Whether you seek state-of-the-art research, practical insights, or new collaborations, the congress offers a focused international platform to connect and drive innovation.

We look forward to welcoming all participants to Vienna and to an engaging and stimulating meeting at the Billrothhaus.



**Roland Beisteiner**

Foto: © feelimage/Felicitas Matern



**Michael Mitterwallner**

Foto: © feelimage/Felicitas Matern



**Andreas Melzer**

Foto: © University of Dundee



**Christine Melzer**

# Program

THURSDAY, APRIL 9<sup>th</sup>, 2026

9:00-9:30

**Opening 8th EUFUS Symposium**

Andreas Melzer, Roland Beisteiner

9:30-10:50

**Clinical Ultrasound**

**Neuromodulation**

Chair: Roland Beisteiner, Jan Kubanek

Overview and advances in Clinical

Ultrasound Neuromodulation

Eva Matt, Roland Beisteiner

Clinical Ultrasound Neuromodulation in

Movement Disorders

Robert Chen

Clinical Ultrasound Neuromodulation in

Psychiatric Disorders

Jan Kubanek

Confounds in Clinical Ultrasound

Neuromodulation

Michael Mitterwallner

**10:50-11:10 Coffee Break**

**11:10-12:30**

**Safety in Clinical Focused Ultrasound**

Chair: Daniel Razansky

Clinical safety in relation to different

ultrasound technologies

Daniel Razansky

Biophysical Safety of Ultrasound

Neuromodulation

Elly Martin

Regulatory Issues with Focused

Ultrasound

Steffen Tretbar

Questions / Answers Safety in Clinical

Focused Ultrasound

**12:30-13:30 Local Lunch**

**(Posters, Exhibits)**

**13:30-14:50**

**Ultrasound Neuromodulation:**

**Cellular, Imaging and Physical Markers**

Chair: Robert Chen

Cellular Mechanisms of

ultrasound neuromodulation

Ivan Suarez, Apoutou N'Djin

Transcranial ultrasound

neuromodulation: Insights from

non-human primates imaging studies

Jerome Sallet

Quantification of acoustic

pressure in the brain

Elly Martin

Low-intensity focused ultrasound of

the human amygdala reveals a causal

role in emotional processing

Miruna Rascu, Miriam Klein-Flügge

**15:10-16:30**

**Mixed Oral Contributions**

**(Participant Abstracts)**

**19:00-22:00**

**Traditional Viennese**

**Dinner and Music (Heurigenabend)**

# Program

FRIDAY, APRIL 10<sup>th</sup>, 2026

**9:00-10:30**

**State and Clinical Future of FUS Ablation / Blood Brain Barrier Opening**

Chair: Andres Lozano

Overview and advances in HIFU Ablation  
Andres Lozano

Overview and advances in BBB  
Nir Lipsman

HIFU for Movement Disorders  
Raul Martinez

HIFU for Psychiatric disorders  
Guillem Lera-Calatayud

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**10:30-10:50 Coffee Break**

**10:50-12:00**

**Challenges and Opportunities in Establishing a HIFU Program in an Academic European Center**

Chair: Gregor Kasprian

"Starting to Walk" – initial steps and challenges in guiding a HIFU center  
Vienna: Philipp Moser, Klaus Novak, Christoph Brücke

"Starting to Run" – implementing HIFU as a routine tool in clinics  
(tbd.)

"Starting to Fly" – future potential of HIFU research in Europe  
(tbd.)

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**12:30-13:00 Local Lunch (Posters, Exhibits)**

**13:00-14:00**

**Novel Focused Ultrasound Approaches**

Chair: Kullervo Hynynen

Fully electronically steered ultrasound transmit receive array for clinical brain treatments

Kullervo Hynynen

Miniaturized Focused Ultrasound Microchips for Minimally-Invasive Treatments of Brain Disorders

Tiago L. Costa

Non-invasive Histotripsy Brain treatment  
Zhen Xu

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**14:00-14:20 Coffee Break**

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**14:20-15:30**

**Mixed Oral Contributions**

Participant Abstracts

**15:30-16:00**

**Presentation of EUFUS / EU-FUSF / FUSF, Outlook EUFUS 2028 and Farewell**

Chair: Andreas Melzer

- Pascale Broks, EU FUSF
- Andreas Melzer, EUFUS
- Tbd., FUSF

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**16:00-17:00**  
**General Assembly EUFUS**

# Contact



## Organizers and Carrier of the scientific program



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**Website**  
More detailed information is available on the website: [eufus.org](http://eufus.org)