



VIENNA
April 9-10 **2026**

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

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VIENNA, Frankgasse 8
Billrothhaus
APRIL 9-10
2026

**8th European
Symposium
of EUFUS**



**Focused
Ultrasound
of the
Brain**

PROGRAM

Contents

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Welcome-----	4
Program -----	6
Thursday, April 9, 2026 -----	6
Friday, April 10, 2026-----	8
Contact-----	10
Sponsors -----	11

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 9th, 2026

9:00–9:30

Opening 8th EUFUS Symposium

Andreas Melzer (Leipzig, DE),
Roland Beisteiner (Vienna, AT)

9:30–10:50

**Clinical Ultrasound
Neuromodulation**

Chair: Roland Beisteiner (Vienna, AT),
Jan Kubanek (St. Louis, US)

Overview, Advances and Demands in
Clinical Ultrasound Neuromodulation
Eva Matt, Roland Beisteiner (Vienna, AT)

Clinical Ultrasound Neuromodulation in
Movement Disorders
Robert Chen (Toronto, CA)

Clinical Ultrasound Neuromodulation in
Psychiatric Disorders
Jan Kubanek (St. Louis, US)

Confounds in Clinical Ultrasound
Neuromodulation
Michael Mitterwallner (Vienna, AT)

10:50–11:10 Coffee Break

11:10–12:30

**Safety in Clinical Focused
Ultrasound**

Chair: Daniel Razansky (Zurich, CH)

Clinical safety in relation to different
ultrasound technologies
Daniel Razansky (Zurich, CH)

Biophysical Safety of Ultrasound
Neuromodulation
Elly Martin (London, UK)

Regulatory Issues with Focused
Ultrasound
Steffen Tretbar (Sulzbach, DE)

Questions / Answers Safety in Clinical
Focused Ultrasound

**12:30–13:30 Local Lunch
(Poster / Exhibit Presentations)**

13:30–14:50

**Ultrasound Neuromodulation:
Cellular, Imaging and Physical Markers**

Chair: Robert Chen (Toronto, CA)

Cellular Mechanisms of
ultrasound neuromodulation
Ivan Suarez, Apoutou N'Djin (Lyon, FR)

Transcranial ultrasound
neuromodulation: Insights from
non-human primates imaging studies
Jerome Sallet (Lyon, FR | Oxford, UK)

Quantification of acoustic
pressure in the brain
Elly Martin (London, UK)

Low-intensity focused ultrasound of
the human amygdala reveals a causal
role in emotional processing
Miruna Rascu, Miriam Klein-Flügge
(Oxford, UK)

14:50–15:10 Coffee Break

15:10–15:45

Sonodynamic Therapy

Chair: Richard Wakefield (London, UK)

Developing Sonodynamic Therapy
Trials for Glioblastoma
Richard Wakefield (London, UK)

Need for consensus sonication
parameters for treatment of
glioblastoma with sonodynamic therapy
Kismet Hossain-Ibrahim (Dundee, UK)
Shayan Moosa (Charlottesville, US)

Questions / Answers Sonodynamic
Therapy

15:45–16:30

Mixed Oral Contributions
Participant Presentations

19:00–22:00

**Traditional Viennese Dinner
and Schrammel-Music**

Heurigenabend, Pfarrplatz 2, 1190 Wien,
Buffet opens 7 pm

Posters will be presented from April 9th, 8am to April 10th 5pm. Poster/Exhibit presentations during lunch time. Individual discussions are possible throughout the complete Symposium time.

Program

FRIDAY, APRIL 10th, 2026

9:00–10:30

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

Chair: Andres Lozano (Toronto, CA)

Overview and advances in HIFU Ablation
Andres Lozano (Toronto, CA)

Overview and advances in BBBO
Nir Lipsman (Toronto, CA)

HIFU for movement Disorders
Raul Martinez (Barcelona, ES)

HIFU for psychiatric disorders
Guillem Lera-Calatayud (Valencia, ES)

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 (Vienna, AT)

"Starting to Walk" – initial steps and
challenges in guiding a HIFU center
Neurology: Christoph Brücke (Vienna, AT)
Radiology: Philipp Moser (Vienna, AT)
Neurosurgery: Klaus Novak (Vienna, AT)

"Starting to Run" – implementing HIFU
as a routine tool in clinics
Lennart Stieglitz (Zurich, CH)

Questions / Answers

**12:00–13:00 Local Lunch
(Poster / Exhibit Presentations)**

13:00–14:00

Novel Focused Ultrasound Approaches

Chair: Kullervo Hynynen (Toronto, CA)

Fully electronically steered ultrasound
transmit receive array for clinical brain
treatments
Kullervo Hynynen (Toronto, CA)

Miniaturized Focused Ultrasound
Microchips for Minimally-Invasive
Treatments of Brain Disorders
Tiago L. Costa (Delft, NL)

Non-invasive Histotripsy Brain treatment
Zhen Xu (Ann Arbor, US)

14:00–14:20 Coffee Break

14:20–16:00

Mixed Oral Contributions

Participant Presentations

Sonodynamic therapy in newly
diagnosed glioblastoma
Francesco Prada (Milan, IT)

Independent Funding and Expert
Review for European Research
Pascale Broks, FUSF Europe
(Amersfoort, NL)

Farewell
Andreas Melzer (Leipzig, DE)

16:00–17:00

General Assembly EUFUS

Contact



Organizers and Carrier of the scientific program

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65527 Niedernhausen
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Website
More detailed information is available on the
website: eufus.org

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