

Friday, September 4th, 2015

13.00 – 13.05 Welcome
Hans Schild, Bonn, Germany

13.05 – 14.30 FUNDAMENTALS

Chairs: K. Hynynen / Toronto, H. Strunk / Bonn

13:05 – 13:30
Physical principles and bio-effects of focused ultrasound therapy
Constantin Coussios, Oxford, UK

13:30 – 13:55
Clinical extracorporeal MR-guided focused ultrasound systems
Kullervo Hynynen, Toronto, Canada

13:55 – 14:20
Clinical extracorporeal US-guided focused ultrasound systems
Lian Zhang, Chongqing, China

14:20 – 14:30 Discussion

14:30 – 15:00 Coffee break

15.00 – 16.55 GYNECOLOGY: UTERUS, BREAST

Chairs: C. Kuhl / Aachen, L. Zhang / Chongqing

15:00 – 15:25
MR-guided HIFU for uterine fibroids and adenomyosis
Wady Gedroyc, London, UK

15:25 – 15:50
US-guided HIFU for uterine fibroids and adenomyosis
Jordi Isern Quittlet, Barcelona, Spain

15:50 – 16:15
MR-guided HIFU for breast cancer
Floor Knuttel, Utrecht, The Netherlands

16:15 – 16:40
US-guided HIFU for breast cancer
Feng Wu, Oxford, UK

16:40 – 16:55 Discussion

16:55 – 17:15 Coffee break

17:15 – 18:00 CONTRAST-ENHANCED HIFU

Chairs: J. Isern Quittlet / Barcelona, F. Orsi / Milan

17:15 – 17:30
Contrast-enhanced ultrasound (CEUS)
Holger Strunk, Bonn, Germany

17:30 – 17:50
Clinical utility of a microbubble-enhancing contrast agent in HIFU
Lian Zhang, Chongqing, China

17:50 – 18:00 Discussion

Saturday, September 5th, 2015

09.00 – 10.20 UROLOGY: PROSTATE, KIDNEY

Chairs: K. Hynynen / Toronto, W. Willinek / Trier

9:00 – 9:25
Transrectal HIFU for prostate cancer
Fouad Aoun, Brussels, Belgium

9:25 – 9:50
Transurethral HIFU for prostate cancer
Ionel Popeneciu, Heidelberg, Germany

09:50 – 10:10
HIFU for kidney tumors
Giulio DiCandio, Pisa, Italy

10:10 – 10:20 Discussion

10:20 – 10:50 Coffee break

10:50 – 12:20 GASTROENTEROLOGY: LIVER, PANCREAS

Chairs: I. Schmidt-Wolf / Bonn, F. Wu / Oxford

10:50 – 11:10
US-guided HIFU for liver tumors
Franco Orsi, Milan, Italy

11:10 – 11:30
MR-guided HIFU for liver tumors
Mario Ries, Utrecht, The Netherlands

11:30 – 11:50
US-guided HIFU for pancreatic cancer
Holger Strunk, Bonn, Germany

11:50 – 12:10
MR-guided HIFU for pancreatic cancer
Michele Anzidei, Rome, Italy

12:10 – 12:20 Discussion

12:20 – 13:30 Lunch break

13:30 – 14:20 BONE, SOFT TISSUE, IMMUNE SYSTEM

Chair: V. Janzen / Bonn

13:30 – 13:50
HIFU for bone and soft tissue tumors
Franco Orsi, Milan, Italy

13:50 – 14:10
HIFU and immunomodulation
Feng Wu, Oxford, UK

14:10 – 14:20 Discussion

14:20 – 14:45 Coffee break

14:45 – 16:00 BRAIN

Chairs: T. Kinfe / Bonn, H. Schild / Bonn

14:45 – 15:05
Noninvasive functional neurosurgery using transcranial MR-guided HIFU
Ronald Bauer, St. Gallen, Switzerland

15:05 – 15:25
Drug delivery across the blood-brain barrier using focused ultrasound
Kullervo Hynynen, Toronto, Canada

15:25 – 15:45
MR-guided HIFU for Parkinson's disease, essential tremor and neuro-pathic pain
Ronald Bauer, St. Gallen, Switzerland

15:45 – 16:00
Discussion and closing remarks
Hans Schild, Bonn, Germany

Organizer

Univ.-Prof. Dr. med. Hans H. Schild
Congress Secretary: Dr. med. Dr. rer. nat. Milka Marinova
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Registration

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Congress ticket / regular fee: 90€
One-day congress pass: 70€

Meeting Venue

Haus der Geschichte - Museumsmeile
(House of the History of the Federal Republic of Germany)
Willy-Brandt-Allee 14, D-53113 Bonn, Germany

Directions



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A maximum of 12 CME points is awarded for full participation in the meeting.

HIFU:

FUNDAMENTALS AND CLINICAL PRACTICE



Program



Bonn, September 4-5, 2015

Department of Radiology
University of Bonn
Germany

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CME