

Previsional program

SUNDAY 31.01

- 15:00-18:00** Arrival - Room keys
- 18:30-19:30** Introduction & round table of all participants
J.F. Aubry, G. ter Haar, V. Khokhlova
- 19:30** Dinner

MONDAY 01.02

Chair: Elisabeth Repasky

- 09:00-09:45** Acoustic propagation in soft tissue
To be determined
- 09:45-10:30** Focusing ultrasound in complex media
Jean-François Aubry
- 10:30-10:45** Coffee/tea
- 10:45-11:30** Biophysics: heating, thermometry
To be determined
- 11:30-12:15** Biophysics: cavitation
Tanya Khokhlova
- 12:30** Lunch
- 16:30** Coffee/tea

Chair: Holger Gröll

- 17:00-17:45** Basics of MR imaging & monitoring and beyond
Florian Steinmeyer
- 17:45-18:30** Basics of US imaging & monitoring and beyond
Béatrice Berthon
- 18:30-19:00** Scientific presenting
Anita Vrzina
- 19:15** Welcome drink & dinner

TUESDAY 02.02

Chair: Béatrice Berthon

- 09:00-09:45** Ultrasound transducers
Kyle Morrison
- 09:45-10:30** Thermal biology, thermal dose, cavitation dose
Holger Gröll
- 10:30-10:45** Coffee/tea
- 10:45-11:30** Tumour microenvironment and physiology
Elisabeth Repasky
- 11:30-12:15** Histology for therapeutic ultrasound
Gail ter Haar
- 12:30** Lunch
- 15:30** Coffee/tea

Chair: Oleg Sapozhnikov

- 16:00-19:00** Student presentations

- 19:30** Dinner

- 21:00-22:30** Glühwein lecture: Innovation & clinical transfer: do's and don'ts
Eric Miller & Thomas Tiennot

WEDNESDAY 03.02

Chair: Mathieu Pernot

- 09:00-09:45** Ultrasonic neurosurgery
Raoul Martinez Fernandez
- 09:45-10:30** Ultrasound mediated drug delivery
Holger Gröll
- 10:30-10:45** Coffee/tea
- 10:45-11:30** Cellular mechanisms of ultrasound stimulation
Daniel Whitcomb
- 11:30-12:15** Neuro-physiological and clinical evidence of ultrasound stimulation
To be determined
- 12:30** Lunch
- 17:00** Coffee/tea

Chair: Gail ter Haar

- 17:30-18:15** Competing technologies
To be determined
- 18:15-19:00** Sonodynamic therapy
Francesco Prada
- 19:30** Dinner
- 21:00-22:00** Glühwein lecture: Clinical trial design: do's and don'ts
Holger Gröll

THURSDAY 04.02

Chair: Francesco Prada

- 09:00-09:45** Histotripsy
Vera Khokhlova
 - 09:45-10:30** Current applications in oncology
Joan Vidal
 - 10:30-10:45** Coffee/tea
 - 10:45-11:30** Gene therapy
Jurgen Götz
 - 12:30** Lunch
 - 17:00** Coffee/tea
- Chair: Jean-François Aubry
- 17:30-18:15** Immunotherapy
Elisabeth Repasky
 - 18:15-19:00** Ultrasonic therapy of organs in motion
Mathieu Pernot
 - 19:30** Dinner
 - Evening** Table Soccer & Table Tennis World Cup

FRIDAY 05.02

Please vacate your rooms before 09:00 and leave your luggage in the main building.

Chair: Vera Khokhlova

- 09:00-09:45** Decision making
To be determined
- 09:45-10:30** Calibration and field characterization
Oleg Sapozhnikov
- 10:30-10:45** Coffee/tea
- 10:45-11:30** Experimental design: getting the physics right
Gail ter Haar
- 11:30-12:00** Closing
- 12:30** Lunch and departure to the airport