

brainbox
initiative

**Introduction to Focused
Ultrasound Stimulation**

April 20 - 22

- 13:00** Welcome & Introduction
- 13:30** Lecture: **Overview of Current Position of TUS Research**
- 14:30** Break
- 14:40** Lecture: **Experimental Design: Confounders, Controls, and Avoiding Past Mistakes**
- 15:10** Lecture: **Finessing Techniques for TUS Research**
- 15:30** Lecture: **TUS Physics**
- 16:30** End Workshop Day One

April 20

- 13:00** Lecture: **Safety Considerations for TUS**
- 14:00** Lecture & Practical Demonstration: **Simulating TUS**
- 15:00** Break
- 15:10** Lecture & Practical Demonstration: **How to Set Up & Use a TUS System**
- 17:00** End Workshop Day Two

April 21

- 13:00** Lecture: **Neurophysiological Mechanisms & Effects of TUS**
- 14:00** Practical Demonstration: **Combined TUS-TMS**
In this session, TUS researchers from the Donders Institute will provide delegates with a detailed understanding of exactly how to design, simulate, set up, and execute a complete multimodal TUS-TMS study.
- 16:00** Break
- 16:10** Group Q&A and Methods Lab Discussions
- 17:00** End Workshop Day Three

April 22