

MgSafe Workshop

**MRI Theoretical Basics / Media Training / Photoacoustics
& Ultrasound Imaging**

Date: March 2-4, 2021

Virtual Zoom Meeting

| DAY 1 | | | 2ND OF MARCH MRI |
|--------------|---|--------------|---|
| 09:00 | - | 17:00 | (Theoretical) Basics of Magnetic Resonance Imaging (Martin Meier) |
| 09:00 | | 09:45 | From Proton to Picture - some basics of MRI |
| 09:45 | | 10:00 | Tea Break |
| 10:00 | | 10:45 | Structural and Functional Imaging with MRI – some examples |
| 10:45 | | 12:00 | Our virtual immersive lab tour |
| 12:00 | | 13:00 | Lunch Break |
| 13:00 | - | 17:00 | Practical considerations and your own experiment with MRI |
| 13:00 | | 13:45 | What’s in that box? Design your own experiment (in groups) |
| 13:45 | | 14:00 | Move your body |
| 14:00 | | 14:30 | (How to) View your images. |
| 14:30 | | 15:15 | Pifalls – Artifacts –Reality: Distinguishing reality, normal variants and artifacts. |
| 15:15 | | 16:00 | How to combine with other modalities: limitations and prospects |
| 16:00 | | 16:30 | Do you remember? Let’s Kahoot |
| 16:30 | | 17:00 | Wrap Up: Time for open Questions and suggestions |

| DAY 2 | | 3RD OF MARCH MEDIA TRAINING | |
|--------------|---|------------------------------------|---|
| 10:00 | - | 10:15 | Welcome (Torsten Fischer) |
| 10:15 | - | 10:35 | Why does science need communication (Tim Schroeder/Journalist) |
| 10:35 | - | 11:00 | Partner Interview (Groupwork) |
| 11:00 | - | 11:30 | Each participant introduces his/her partner (Plenum) |
| 11:30 | - | 11:40 | Discussion ad Conclusion |
| | - | | Coffee Break |
| 11:55 | - | 12:30 | How to turn science into a good story (Tim Schroeder) |
| 12:30 | - | 12:40 | Headline about your partners work (writing exercise) |
| | - | | Lunch |
| 13:45 | - | 14:00 | Presentation of headlines |
| 14:00 | - | 14:15 | Factsheet and abstract about my work (writing exercise) |
| 14:15 | - | 14:30 | Presentation of abstracts |
| 14:30 | - | 17:00 | Presentation and Discussion (Florian Dehmelt) |
| | - | | Final remarks, last questions |

| DAY 3 | | | 4TH OF MARCH VISUALSONICS |
|--------------|---|--------------|---|
| 09:00 | - | 09:45 | Multimodality Imaging: Theoretical Introduction |
| 09:50 | | 10:00 | Coffee break |
| 10:00 | - | 11:30 | Photoacoustics Imaging: Practical Introduction |
| 11:30 | | 12:00 | Breakout sessions and Q&A Groupwork to develop a protocol for implant imaging |