

## CURRICULUM VITAE: GILBERT HANGEL

### EDUCATION

10/2011-12/2015	Medical University of Vienna, PhD studies in Medical Physics
Doctoral Thesis	Accelerated High-Resolution 3D Magnetic Resonance Spectroscopic Imaging In The Brain At 7 T
10/2004- 06/2011	Vienna University of Technology, Diploma studies in Technical Physics
Diploma Thesis	Research for a linear optimised power model of France, with special focus on the French nuclear/hydropower system
2000-2003	BG/BRG St. Pölten, Austria
1995-2000	BG/BRG Stockerau, Austria

### SCIENTIFIC CAREER SUMMARY

12/2019-	PostDoc Researcher at the Department of Neurosurgery, Medical University of Vienna
02/2016-	PostDoc Researcher at the High Field MR Centre, Medical University of Vienna
10/2011-01/2016	Researcher at the Medical University of Vienna, Austria
2007-2011	Physics lab tutor at the Vienna University of Technology
02/2007, 07/2006	Internships at the Stefan Meyer Institute, Austrian Academy of Sciences

### SCIENTIFIC MAIN INTERESTS

- Magnetic Resonance Spectroscopic Imaging
- MRI/MRSI method design and development
- Clinical application of MR methods (MRSI, fMRI, morphological MRI)
- Intraoperative MRI
- Ultra-high field MR
- Biological effects of EM-fields
- Science communication and education

### GRANTS

- 3D 2HG mapping as biomarker for IDH-mutation in glioma (FWF, 1.1.2018-31.6.2021, 316 k€)
- Talente Praktika 2019 (FFG, 2.4 k€)

### PUBLICATIONS AND REVIEWING

<https://orcid.org/0000-0002-3986-3159>

<https://scholar.google.at/citations?user=SchV0M4AAAAJ&hl=en>

<https://publons.com/researcher/1348737/gilbert-hangel/>

#### PROFESSIONAL MEMBERSHIPS

- International Society for Magnetic Resonance in Medicine
- European Society for Magnetic Resonance in Medicine and Biology

#### FURTHER PROFESSIONAL EXPERTISE

- Principal investigator for metabolic imaging in brain tumours
- Academic teaching since 2017, mainly MRI for medical students and MRI pipeline development for PhD students
- Organisation and presentation of science communication and training courses (“Lange Nacht der Forschung”, children’s university, adult education centre, MR safety...)
- ESMRMB lectures on MR: RF Pulses - Design and Applications; Parallel Imaging - Basic and Advanced Transmission and Reception Concepts; Simultaneous multi-slice/multiband imaging; RF simulation for MR systems;

#### ADDITIONAL EXPERTISE

- 1<sup>st</sup> Lieutenant and physics expert in the Austrian Armed Forces Reserve (NRBC defence and environmental monitoring)
- Secondary school teaching: Medical Device Technology (tgm Vienna, since 2017)
- Formerly various positions in the Austrian students union (student counselling, VUT senate, elected students representative for Technical Physics, ...)

#### LANGUAGES

- German – First language
- English – Proficient
- French, Spanish, Latin – Basics