

Curriculum Vitae

Personal data

Title: Mag. rer. nat.
Name: Martin Tik
Address: Straßergasse 4/1/10
1190 Vienna

Born: May 19th, 1984

Higher Education

Nov 2014 - current Study of **Medical Physics N094 PhD**,
Medical University of Vienna

Oct 23th 2014 **Mag. rer. nat (M.Sc.-equivalent) Degree in Psychology**

Oct 2008 - Oct 2014 **Diplomstudium Psychologie**, University of Vienna

March 2005 – June 2005 **Study of Software and Information Engineering** University of
Technology Vienna

June 2004 **Matura**

Sep 1999 – June 2004 **Bundesoberstufenrealgymnasium Honauerstraße, Linz**
focus: Informatics

Professional Career

Mai 2014 - current fMRI.at - Exzellenzzentrum Hochfeld-Magnetresonanz
Center for Medical Physics and Biomedical Engineering,
Medical University of Vienna, 1090 Vienna
Scientific staff, projects include e.g. „Creativity enhancement
through advanced brain mapping and stimulation“ (CREAM;
FP7, ICT-2013.8.1, 612022)

10/2007 – 10/2008 **Ergonis Software, Günter Blaschek, 4020 Linz**
technical support / beta testing

09/2005 –09/2008: **Self-employed - advertising / marketing agency**
„Advocado direct sales & market communication agentur“
Directsales: Wiener Frühstücksservice, Day Dreams
Market research: Triconsult, Sensor, div. SME

08/2007 –09/2007: **Smart Stream Technologies,**
Helpdesk, technical support

Further Qualification

Languages	English (<i>fluent</i>), Latin , German (<i>native</i>)
Computer knowledge, Programming	Matlab, SPM, FSL , Pascal, Delphi Unix, Linux, MacOSX, Windows, Office, Webdesign (HTML, php), CMS, Mediawiki, Google Apps, etc.
Teaching experience	Lectures on Neuroscience, Cognitive Science, functional magnetic resonance imaging & brainstimulation University of Vienna

Awards

- **OHBM 2017, Vancouver, Canada - Merit Abstract Award**
“Connectomic insights into depression and TMS as a treatment option”
- **OHBM 2015, Honolulu, Hawaii - Merit Abstract Award**
“Ultrahigh field fMRI insights on insight: Neural correlates of the Aha! moment”
- **IK 2015 Interdisciplinary College - Abstract Prize (highest award)**
“Towards understanding TMS mechanism of action”

Reviewer for

- *Neuroimage*
- *Brain Stimulation*
- *Frontiers in Human Neuroscience*
- *Neuropsychologia*
- *The Veterinary Journal*

Attended Conferences

12. - 14.08.2017	„2nd European Conference of Brain Stimulation in Psychiatry” (München, Germany)
22. – 23.06.2017	„BrainSTIM - Brain Stimulation and Imaging Meeting“ (Vancouver, Canada)
24. – 29.06.2017	„23rd Annual Meeting of the Organization for Human Brain Mapping“ (Vancouver, Canada)
22. – 27.04.2017	„25th Annual Meeting of the ISMRM“ (Honolulu, Hawaii)
05. - 08.03.2017	„2nd International Brain Stimulation Conference“ (Barcelona, Spain)

07. - 10.09.2016 **„6th International Conference on Transcranial Brain Stimulation“**
(Göttingen, Germany)
26. – 30.06.2016 **„22nd Annual Meeting of the Organization for Human Brain Mapping“**
(Genf, Schweiz)
23. – 25.06.2016 **„BrainSTIM - Brain Stimulation and Imaging Meeting“**
(Genf, Schweiz)
04. – 11.03.2016 **„YSA PhD Symposium“**
Young Scientist Association, MUW (Vienna, Vienna)
14. – 18.06.2015 **„21nd Annual Meeting of the Organization for Human Brain Mapping“**
(Honolulu, Hawaii)
04. – 11.03.2016 **„Transitions and Transformations in Cognition, Biology, and Interactive Systems“**
Interdisciplinary College (Günne, Germany)
06. – 13.04.2015 **„Methods and Concepts for fMRI of the Human Brain“**
17th Educational Course of the German Chapter of ISMRM e.V.
(Leipzig, Germany)
06. – 13.03.2015 **„From Neuron to Person: Assembling Behavior and Cognition“**
Interdisciplinary College (Günne, Germany)
14. – 21.03.2014 **„Cognition 3.0 - the social mind in the connected world“**
Interdisciplinary College (Günne, Germany)
02. – 14.09.2013 **„Resting state fMRI - basic concepts, methods & applications“**
The European Society for Magnetic Resonance in Medicine and Biology (ESMRMB, Vienna)
15. – 22.03.2013 **„Wicked Problems, Complexity & Wisdom“**
Interdisciplinary College (Günne, Germany)

Publications

Tik M, Hoffmann A, Sladky R, Tomova L, Hummer A, Navarro de Lara L, Bukowski H, Pripfl J, Biswal B, Lamm C, Windischberger C. *“Towards understanding rTMS mechanism of action: Stimulation of the DLPFC Causes Network-specific Increase in Functional Connectivity.”* Neuroimage, 162, 289-296.

Navarro de Lara L¹, **Tik M**¹, Woletz M, Frass-Kriegl R, Moser E, Laistler E, Windischberger C. *“High-sensitivity TMS/fMRI of the Human Motor Cortex Using a Dedicated Multichannel MR Coil.”* NeuroImage. 2017 Apr 15;150:262-9.

Höflich A, Ganger S, **Tik M**, Hahn A, Kranz GS, Vanicek T, Spies M, Kraus C, Windischberger C, Kasper S, Winkler D, Lanzenberger R. *“Imaging the neuroplastic effects of ketamine with VBM and the necessity of placebo control”.* Neuroimage Feb 15;147:198-203, 2017.

Tik M, Woletz M, Navarro de Lara L, Sladky R, Hoffmann A, Hummer A, Windischberger C. *“Mapping TMS local and remote immediate effects by concurrent TMS/fMRI using a dedicated high-sensitivity coil array.”* Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation. 2017 Mar 1;10(2):489-91.

Spies M, Kraus C, Geissberger N, Auer B, Klöbl M, **Tik M**, Stürkat IL, Hahn A, Woletz M, Pfabigan DM, Kasper S, Lamm C, Windischberger C, Lanzenberger R. *“Default mode network deactivation during emotion processing predicts early antidepressant response.”* Transl Psychiatry Jan 24;7(1):e1008, 2017.

Sladky R, Geissberger N, Pfabigan DM, Kraus C, **Tik M**, Woletz M, Paul K, Vanicek T, Auer B, Kranz GS, Lamm C, Lanzenberger R, Windischberger C. *“Unsmoothed functional MRI of the human amygdala and bed nucleus of the stria terminalis during processing of emotional faces.”* Neuroimage Jan 17, 2017.

Sladky R, Stepniczka I, Boland E, **Tik M**, Lamm C, Hoffmann A, Buch, J, Niedermeier D, Field J, Windischberger C. *“Neurobiological differences in mental rotation and instrument interpretation in airline pilots”.* Scientific Reports 6, 2016.

Hummer A, Ritter M, **Tik M**, Ledolter AA, Woletz M, Holder GE, Dumoulin SO, Schmidt-Erfurth U, Windischberger C. *“Eyetracker-based gaze correction for robust mapping of population receptive fields.”* Neuroimage Nov 15;142:211-224, 2016.