

## Curriculum Vitae

Name: Mag. Dr. Fabio Richlan  
Address (work): Hellbrunnerstr. 34, 5020 Salzburg, Austria  
Tel. (work): +43 (0)662 / 8044 5130  
Tel. (mobile): +43 (0)650 / 586 1982  
E-Mail: fabio.richlan@sbg.ac.at  
Date/place of birth: April 02, 1984/Salzburg, Austria  
Nationality: Austria



### Professional experience:

10/2014-present: Senior Scientist  
Centre for Cognitive Neuroscience, University of Salzburg.  
Member of the Research Cluster "Language, Reading, and Dyslexia" (Prof. Florian Hutzler), member of the Method Unit "Neuroimaging and Brain Stimulation" (Dr. Martin Kronbichler), and associated faculty member of the Doctoral College "Imaging the Mind" (Prof. Josef Perner, Prof. Manuel Schabus).

10/2014-present: Certified Sport Psychologist  
Self-employed.  
Coaching of junior, amateur, and professional athletes, coaches, and teams.  
Planning, implementation, and evaluation of applied sport psychology projects.

03/2017: Visiting Scholar  
Laboratory of Brain Imaging, Neurobiology Centre, Nencki Institute of Experimental Biology, Polish Academy of Sciences, Warsaw, Poland.

06/2010-10/2014: Psychological Technical Assistant  
Centre for Neurocognitive Research and Department of Psychology, University of Salzburg. Member of the Neurocognition Lab (Prof. Florian Hutzler, Dr. Martin Kronbichler).

02/2010-06/2010: Psychologist  
NeuroCare Rehabilitation Clinic, Christian-Doppler-Clinic, Paracelsus Medical University, Salzburg (Prof. Gunther Ladurner).

10/2009-02/2010: Psychologist  
Institute for Neuroscience and Clinical Research Center Salzburg, Christian-Doppler-Clinic, Paracelsus Medical University, Salzburg (Prof. Gunther Ladurner, Dr. Martin Kronbichler).

08/2008-10/2009: PhD Student  
FWF- (Austrian Science Fund) project: "Brain dysfunctions underlying developmental dyslexia" and ERC- (European Research Council) project: "Dyslexia genes and neurobiological pathways", Dyslexia Research group, University of Salzburg (Prof. Heinz Wimmer, Dr. Martin Kronbichler).

02/2005-08/2008: MA Student  
Dyslexia Research Group, University of Salzburg (Prof. Heinz Wimmer).

11-12/2007: Trainee

Sonderkrankenanstalt Rehabilitationszentrum Großgmain (center for neurological and cardiological rehabilitation) (Dr. Harald Zauner).

10/2002-09/2003: Civil Service

Lebenshilfe Salzburg (group homes for people with physical and mental disabilities).

### **Education:**

01/2015-09/2015: Sport psychological training in competitive sports

Center of Mental Excellence, Innsbruck/Munich.

10/2008-02/2012: PhD in psychology

University of Salzburg. Promoters: Prof. Heinz Wimmer and Dr. Martin Kronbichler.

10/2003-06/2008: Master in psychology

University of Salzburg. Examiners: Prof. Heinz Wimmer (developmental psychology) and Prof. Liane Kaufmann (psychological assessment).

### **Skills and qualifications:**

#### Advanced training (selection):

Anti-Doping License (NADA Austria, 2016-2019)

Übungsleiter Triathlon (BSPA Innsbruck, 2019)

Michigan Sport-Related Concussion Training Certification (University of Michigan, Coursera, 2019)

Für Respekt und Sicherheit – gegen sexualisierte Übergriffe im Sport (100% Sport, 2018)

The Science of Exercise (University of Colorado, Coursera, 2018)

The Science of Training Young Athletes (University of Florida, Coursera, 2016-2017)

Sports and Society (Duke University, Coursera, 2016)

Doping: Sports, Organizations and Sciences (University of Lausanne, Coursera, 2016)

Principles of fMRI (Johns Hopkins University, Coursera, 2015)

An Introduction to Consumer Neuroscience & Neuromarketing (Copenhagen Business School, Coursera, 2015)

R Programming (Johns Hopkins University, Coursera, 2014)

The Data Scientist's Toolbox (Johns Hopkins University, Coursera, 2014)

Statistical Analysis of fMRI Data (Johns Hopkins University, Coursera, 2014)

#### Hardware:

fMRI, tDCS, tACS, eye tracking (excellent)

EEG, TMS, electronics (decent)

#### Software:

Experiment Builder, Matlab, Presentation, SPM, SPSS, LimeSurvey, Office, diverse toolboxes for fMRI data processing and statistical analysis (excellent)

AFNI, Freesurfer, FSL, Linux shell, R (decent)

#### Languages:

German (native)

English (excellent)

Italian (decent)

### **Research grants and awards:**

- 2017-2019: National Science Centre, Poland  
Project (2016/21/N/HS6/02452): *“The role of visual crowding in developmental dyslexia”* (co-investigator; PI: Magdalena Łuniewska).  
€ 34,000
- 2018: Association for Neuropsychology Austria (GNPÖ)  
Nominee Giselher Guttman Preis.
- 2015-2017: Austrian Agency for International Cooperation in Education and Research (OeAD)  
Scientific-technical collaboration project (PL 11/2015): *“Longitudinal neuroimaging study of typical and atypical reading development in German and Polish”* (PIs: Fabio Richlan, Katarzyna Jednoróg).  
€ 6,066
- 2013-2017: Austrian Science Fund  
Stand-alone project (FWF P 25799-B23): *“Word recognition in natural reading with parafoveal preview”* (co-investigator; PI: Florian Hutzler).  
€ 344,631
- 2011-2015: Austrian Science Fund  
Stand-alone project (FWF P 23916-B18): *“Longitudinal study of dyslexia”* (co-investigator; PI: Martin Kronbichler).  
€ 299,397
- 2014: Austrian Society for Psychology (ÖGP)  
Honorable mention for the doctoral dissertation.
- 2010: University of Salzburg  
Travel award.  
€ 1,300
- 2003-2012: University of Salzburg  
Academic excellence awards.  
€ 2,181

### **Applied sport psychology projects:**

- 2020-present: SV Seekirchen
- 2020-present: Xtreme Gamer Squad
- 2019-present: Austrian Taekwondo Federation
- 2019-present: Triathlon Austria
- 2018-present: BORA-hansgrohe German Professional Cycling
- 2017-present: Schigymnasium Saalfelden
- 2017-present: Bundessportakademie Austria
- 2016-present: Ski Austria Mountaineering
- 2016-present: Raiffeisen Schul-Sport-Modell Kompetenzzentrum Salzburg
- 2016-present: Ski-Akademie Schladming
- 2016-present: Salzburger Triathlonverband
- 2015-present: TrumerTriTeam
- 2014-present: Coaching of junior, amateur, and professional athletes, coaches, and teams

**Memberships:** Organization for Human Brain Mapping (OHBM) – Alpine Chapter  
Österreichische Gesellschaft für funktionelle Magnetresonanztomographie (ÖGFMRT)  
Österreichische Gesellschaft für Psychologie (ÖGP)  
Österreichisches Bundesnetzwerk Sportpsychologie (ÖBS)  
Salzburger Gesellschaft für Psychologie (SGP)  
Society for the Neurobiology of Language (SNL)

**Editorial Board:** Frontiers in Human Neuroscience (Associate Editor, 2019-present; Review Editor, 2014-2019)  
Heliyon (2017-2018)

**Reviewer/referee:** Acta Neurobiologiae Experimentalis  
Adolescent Psychiatry  
Annals of Neurology  
Basque Center on Cognition Brain and Language Thesis Defense Committee  
Biological Psychiatry  
Biological Psychology  
Brain and Behavior  
Brain and Cognition  
Brain and Language  
Brain Connectivity  
Brain Sciences  
Brain Imaging and Behavior  
Cerebral Cortex  
Cortex  
Current Biology  
Current Opinion in Behavioral Sciences  
Developmental Cognitive Neuroscience  
Developmental Science  
Doctoral Supervisory Committee in Psychology and Educational Sciences KU Leuven  
Dyslexia  
eNeuro  
European Journal of Neuroscience  
Frontiers in Behavioral Neuroscience  
Frontiers in Cognitive Science  
Frontiers in Educational Psychology  
Frontiers in Human Neuroscience  
Frontiers in Psychology  
Human Brain Mapping  
International Journal of Psychophysiology  
Icelandic Research Fund  
Journal of Child Psychology and Psychiatry  
Journal of Cognitive Neuroscience  
Journal of Eye Movement Research  
Journal of Integrative Neuroscience  
Journal of Neurodevelopmental Disorders

Journal of Neurolinguistics  
 Journal of Neuroscience  
 Journal of Visualized Experiments  
 Language and Linguistics Compass  
 Language Cognition and Neuroscience  
 Lingua  
 Medical Research Council  
 Mind Brain and Education  
 National Science Centre Poland  
 Neural Computing and Applications  
 Neural Plasticity  
 NeuroImage  
 NeuroImage: Clinical  
 Neuropsychologia  
 Neuroscience  
 Neuroscience and Biobehavioral Reviews  
 Neuroscience and Biomedical Engineering  
 Office of the VP for Research and Graduate Studies NIH Grant Assistance  
 Program Michigan State University  
 OHBM annual meeting  
 PLOS ONE  
 Proceedings of the National Academy of Sciences of the USA  
 Psychological Science  
 Psychophysiology  
 Quarterly Journal of Experimental Psychology  
 Research Councils UK  
 Research Foundation Flanders  
 Royal Society Open Science  
 SAMBA meeting  
 Scientific Data  
 Scientific Reports  
 Scientific Studies of Reading  
 SNL annual meeting  
 Spanish Journal of Psychology  
 Visual Cognition

**Teaching at the University of Salzburg:**

Summer 2020: Cognitive Psychology (lecture and seminar)  
 Methods in Cognitive Neuroscience: Specialization (seminar)  
 Winter 2019: fMRT, M/EEG und Co: Basics and practical application (lecture and tutorial course)  
 Summer 2019: Cognitive Psychology (lecture and seminar)  
 Methods in Cognitive Neuroscience: Specialization (seminar)  
 Winter 2018: fMRT, M/EEG und Co: Basics and practical application (lecture and tutorial course)  
 Summer 2018: Cognitive Psychology (lecture and seminar)

Methods in Cognitive Neuroscience: Specialization (seminar)  
 Sports Psychology (seminar)  
 Winter 2017: Methods in Cognitive Neuroscience: Introduction (lecture and tutorial course)  
 Summer 2017: Cognitive Psychology (lecture and seminar)  
 Methods in Cognitive Neuroscience: Specialization (seminar)  
 Sports Psychology (seminar)  
 Winter 2016: Methods in Cognitive Neuroscience: Introduction (lecture with exercise)  
 Neurocognition (basic course)  
 Summer 2016: fMRI, TMS, Eye-Tracking (seminar)  
 Winter 2015: Cognitive Neuroscience Club Part A (seminar)  
 Cognitive Neuroscience (lecture with exercise)  
 Neurocognition (basic course)  
 Summer 2015: Cognitive Neuroscience Club Part D (seminar)  
 fMRI, TMS, Eye-Tracking (seminar)  
 Winter 2014: Cognitive Neuroscience Club Part C (seminar)  
 Neurocognition (basic course)  
 Summer 2014: Cognitive Neuroscience Club Part B (seminar)  
 fMRI, TMS, Eye-Tracking (seminar)  
 Winter 2013: Cognitive Neuroscience Club Part A (seminar)  
 Empirical seminar (seminar)  
 Summer 2013: Empirical seminar (seminar)  
 fMRI data analysis (seminar)  
 fMRI, TMS, Eye-Tracking (seminar)  
 Winter 2012: Empirical seminar (seminar)  
 Neurocognition (basic course)  
 Summer 2012: Empirical seminar (seminar)  
 fMRI methods course: data acquisition and analysis (seminar)  
 fMRI, TMS, Eye-Tracking (seminar)  
 Winter 2011: fMRI literature seminar: basics (seminar)  
 Imaging and lesion (basic course)  
 Neurocognition (basic course)  
 Summer 2011: Empirical seminar (seminar)  
 fMRI (seminar)  
 Winter 2010: Introduction into elementary technics of the scientific study of psychology (basic course)  
 Neurocognition (elementary course)  
 Summer 2010: fMRI data-analysis (seminar)  
 Psychological assessment I (basic course)  
 Winter 2009: Introduction into elementary technics of the scientific study of psychology (basic course)  
 Winter 2007: Test theory and test construction (basic course, tutor)

## **Supervised or co-supervised students:**

### 2020:

Harbord, Joanna: The influence of orthographic depth on brain activation during reading: a meta-analysis of universal and orthography-specific effects

### 2019:

Klosa, Sven: Gesundes Bewegungsverhalten: Einfluss auf Gehirnstruktur, psychische Belastungen und Hormonspiegel

### 2018:

Göldner, Larissa: Do action video gamers have more grey matter volume than non-action video gamers? A voxel-based morphometric study

Mayrhofer, Barbara: Wiedereinstieg in den Ski Alpin Sport nach Verletzungspause aus sportpsychologischer Sicht

Nowack, Leonie: Structural abnormalities of poor reading investigated in a large sample

Schuster, Sarah: The neural correlates of natural reading: A fixation-related fMRI approach

Vignali, Lorenzo: Word recognition and parafoveal preprocessing in natural reading

### 2017:

König, Jan-Christian: Der Einfluss von Actionvideospiele auf die Visuomotorik

Nowack, Leonie: Parafoveal preprocessing during reading

### 2016:

Nowack, Leonie: The role of the posterior parietal cortex in parafoveal preprocessing during reading: A tDCS and fMRI study

### 2015:

Fuchs, Philipp: Erhöhte Schlafqualität und Gedächtniskonsolidierung durch Schlafspindel-Induzierung mittels transkranieller elektrischer Stimulation

Greipl, Simon: Differences in activation profiles after 1 year systematic acquisition of reading: An fMRI longitudinal perspective

Jacobi, Nicola: Der Wortfrequenzeffekt in der Visual Word Form Area beim natürlichen Lesen

Kollbauer, Natascha: The challenge of reading in a patient with pure alexia

Kraxberger, Ellen: Single-session tDCS has no effect on a semantic categorization task among healthy participants

Longo, Federica: Semantic knowledge and brain hemispheres: A tDCS study

Martin, Anna: Reading in the Brain: Coordinate-Based Meta-Analyses on the Effects of Age, Orthographic Depth and Dyslexia

Quotschalla, Niklas: Langsame Oszillationen unter dem Einfluss transkranieller elektrischer Stimulation im Zusammenhang mit Finger Tapping und generellen kognitiven Fähigkeiten

Schoisswohl, Stefan: Transkranielle Elektrische Stimulation erhöht die Power des Sigma Frequenzbandes, die objektive Schlafqualität sowie die Leistung in einem Finger Tapping Task

Schröder, Jan: Is there a system? The fitting of model generated lexical activity to the reading brain

Spitzhüttl, Janine: Leseerwerb und Gehirnentwicklung: Strukturelle Veränderungen während des ersten Schuljahres

Wenzel, Julian: Lexicality effects in left ventral occipito-temporal cortex: Are they task dependent?

- Westiner, Andreas: Parafoveal preprocessing – A tDCS study  
2014:  
 Bergmann, Eugen: Altering details of future thinking and past experience with tDCS  
 Mayer, Rebecca: The influence of action video games on the visuo-spatial working memory – the neuronal correlates  
 Odar, Marie: Default mode network modulation during mental time travel: The influence of tDCS on the episodic richness of remembered past and imagined future events  
 Wiesner, Lisa: The influence of reading skill on the predictability effect in natural sentence reading: A combined fMRI and eye-tracking approach  
2013:  
 Schuster, Sarah: The lexicality effect in the left ventral occipito-temporal cortex: Evidence from fixation-related fMRI  
2011:  
 Ortmeier, Tobias: Dysfunktionelle Gehirnaktivierungen bei Personen mit Aufmerksamkeitsdefizit-/Hyperaktivitätsstörung: Eine Metaanalyse

### Publications

I am author or co-author of over 40 scientific papers (16 as first author, 6 as senior author) and have a cumulative scientific citation index of over 3000 and an h-index of 22 (source: Google Scholar).

#### Publications in peer-reviewed journals (35):

##### 2020 (2):

Gagl, B., Sassenhagen, J., Haan, S., Gregorova, K., Richlan, F., & Fiebach, C. J. (2020). An Orthographic Prediction Error as the basis for efficient Visual Word Recognition. *Neuroimage*.

Richlan, F. (2020). The functional neuroanatomy of developmental dyslexia across languages and writing systems. *Frontiers in Psychology*, 11, 155. doi: 10.3389/fpsyg.2020.00155

##### 2019 (5):

Braun, M., Kronbichler, M., Richlan, F., Hawelka, S., Hutzler, F., & Jacobs, A. (2019). A model-guided dissociation between subcortical and cortical contributions to word recognition. *Scientific Reports*, 9, 4506. doi: 10.1038/s41598-019-41011-9

Richlan, F. (2019). The functional neuroanatomy of letter-speech sound integration and its relation to brain abnormalities in developmental dyslexia. *Frontiers in Human Neuroscience*, 13, 21. doi: 10.3389/fnhum.2019.00021

Schuster, S., Hawelka, S., Himmelstoss, N. A., Richlan, F., & Hutzler, F. (2019). The neural correlates of word position and lexical predictability during sentence reading: Evidence from fixation-related fMRI. *Language, Cognition and Neuroscience*. doi: 10.1080/23273798.2019.1575970

Vignali, L., Hawelka, S., Hutzler, F., & Richlan, F. (2019). Processing of parafoveally presented words. An fMRI study. *NeuroImage*, 184, 1-9. doi: 10.1016/j.neuroimage.2018.08.061

Vignali, L., Hawelka, S., Hutzler, F., & Richlan, F. (2019). No effect of cathodal tDCS of the posterior parietal cortex on parafoveal preprocessing of words. *Neuroscience Letters*. 705, 219-226. doi: 10.1016/j.neulet.2019.05.003

##### 2018 (1):

Richlan, F., Schubert, J., Mayer, R., Hutzler, F., & Kronbichler, M. (2018). Action video gaming and the brain: fMRI effects without behavioral effects in visual and verbal cognitive tasks. *Brain and Behavior*, 8, e00877. doi: 10.1002/brb3.877



#### 2017 (1):

Hancock, R., Richlan, F., & Hoeft, F. (2017). Possible roles for fronto-striatal circuits in reading disorder. *Neuroscience and Biobehavioral Reviews*, 72, 243-260. doi: 10.1016/j.neubiorev.2016.10.025

#### 2016 (5):

Ludersdorfer, P., Wimmer, H., Richlan, F., Schurz, M., Hutzler, F., & Kronbichler, M. (2016). Left ventral occipitotemporal activation during orthographic and semantic processing of auditory words. *NeuroImage*, 124, 834-842. doi: 10.1016/j.neuroimage.2015.09.039

Martin, A., Kronbichler, M., & Richlan, F. (2016). Dyslexic brain activation abnormalities in deep and shallow orthographies: a meta-analysis of 28 functional neuroimaging studies. *Human Brain Mapping*, 37, 2676-2699. doi: 10.1002/hbm.23202

Schuster, S., Hawelka, S., Hutzler, F., Kronbichler, M., & Richlan, F. (2016). Words in context: The effects of length, frequency and predictability on brain responses during natural reading. *Cerebral Cortex*, 26, 3889-3904. doi: 10.1093/cercor/bhw184

Vignali, L., Himmelstoss, N. A., Hawelka, S., Richlan, F., & Hutzler, F. (2016). Oscillatory brain dynamics during sentence reading: A Fixation-related spectral perturbation analysis. *Frontiers in Human Neuroscience*, 10, 191. doi: 10.3389/fnhum.2016.00191

Wimmer, H., Ludersdorfer, P., Richlan, F., & Kronbichler, M. (2016). Visual experience shapes orthographic representations in the visual word form area. *Psychological Science*, 27, 1240-1248. doi: 10.1177/0956797616657319

#### 2015 (5):

Braun, M., Hutzler, F., Münte, T. F., Rotte, M., Dambacher, M., Richlan, F., & Jacobs, A. M. (2015). The neural bases of the pseudohomophone effect: phonological constraints on lexico-semantic access in reading. *Neuroscience*, 295, 151-163. doi: 10.1016/j.neuroscience.2015.03.035

Braun, M., Jacobs, A. M., Richlan, F., Hawelka, S., Hutzler, F., & Kronbichler, M. (2015). Many neighbors are not silent. fMRI evidence for global lexical activity in visual word recognition. *Frontiers in Human Neuroscience*, 9, 423. doi: 10.3389/fnhum.2015.00423

Martin, A., Schurz, M., Kronbichler, M., & Richlan, F. (2015). Reading in the brain of children and adults: a meta-analysis of 40 functional magnetic resonance imaging studies. *Human Brain Mapping*, 36, 1963-1981. doi: 10.1002/hbm.22749

Schurz, M., Wimmer, H., Richlan, F., Ludersdorfer, P., Klackl, J., & Kronbichler, M., (2015). Resting-state and task-based functional brain connectivity in developmental dyslexia. *Cerebral Cortex*, 25, 3502-3514. doi: 10.1093/cercor/bhu184

Schuster, S., Hawelka, S., Richlan, F., Ludersdorfer, P., & Hutzler, F. (2015). Eyes on words: A fixation-related fMRI study of the left occipito-temporal cortex during self-paced silent reading of words and pseudowords. *Scientific Reports*, 5, 12686. doi:10.1038/srep12686

#### 2014 (5):

Gagl, B., Hawelka, S., Richlan, F., Schuster, S., & Hutzler, F. (2014). Parafoveal preprocessing in reading revisited: Evidence from a novel preview manipulation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 40, 588-595. doi: 10.1037/a0034408

Richlan, F. (2014). Functional neuroanatomy of developmental dyslexia: the role of orthographic depth. *Frontiers in Human Neuroscience*, 8, 347. doi: 10.3389/fnhum.2014.00347

Richlan, F., Gagl, B., Hawelka, S., Braun, M., Schurz, M., Kronbichler M., & Hutzler, F. (2014). Fixation-related fMRI analysis in the domain of reading research: using self-paced eye movements as markers for hemodynamic brain responses during visual letter string processing. *Cerebral Cortex*, 24, 2647-2656. doi: 10.1093/cercor/bht117

- Schurz, M., Kronbichler, M., Crone, J., Richlan, F., Klackl, J., & Wimmer, H. (2014). Top-down and bottom-up influences on the left ventral occipito-temporal cortex during visual word recognition: An analysis of effective connectivity. *Human Brain Mapping, 35*, 1668-1680. doi: 10.1002/hbm.22281
- Schurz, M., Radua, J., Aichhorn, M., Richlan, F., & Perner, J. (2014). Fractionating Theory of Mind: a meta-analysis of functional brain imaging studies. *Neuroscience and Biobehavioral Reviews, 42*, 9-34. doi: 10.1016/j.neubiorev.2014.01.009
- 2013 (4):
- Hutzler, F., Fuchs, I., Gagl, B., Schuster, S., Richlan, F., Braun, M., & Hawelka, S. (2013). Parafoveal X-masks interfere with foveal word recognition: Evidence from fixation-related brain potentials. *Frontiers in Systems Neuroscience, 7*, 33. doi: 10.3389/fnsys.2013.00033
- Ludersdorfer, P., Schurz, M., Richlan, F., Kronbichler, M., & Wimmer, H. (2013). Opposite effects of visual and auditory word-likeness on activity in the visual word form area. *Frontiers in Human Neuroscience, 7*, 491. doi: 10.3389/fnhum.2013.00491
- Richlan, F., Gagl, B., Schuster, S., Hawelka, S., Humenberger, J., & Hutzler, F. (2013). A new high-speed visual stimulation method for gaze-contingent eye movement and brain activity studies. *Frontiers in Systems Neuroscience, 7*, 24. doi: 10.3389/fnsys.2013.00024
- Richlan, F., Kronbichler, M., & Wimmer, H. (2013). Structural abnormalities in the dyslexic brain: A meta-analysis of Voxel-Based Morphometry studies. *Human Brain Mapping, 34*, 3055-3065. doi: 10.1002/hbm.22127
- 2012 (1):
- Richlan, F. (2012). Developmental dyslexia: dysfunction of a left hemisphere reading network. *Frontiers in Human Neuroscience, 6*, 120. doi: 10.3389/fnhum.2012.00120
- 2011 (1):
- Richlan, F., Kronbichler, M., & Wimmer, H. (2011). Meta-analyzing brain dysfunctions in dyslexic children and adults. *Neuroimage, 56*, 1735-1742. doi: 10.1016/j.neuroimage.2011.02.040
- 2010 (3):
- Richlan, F., Sturm, D., Schurz, M., Kronbichler, M., Ladurner, G., & Wimmer, H. (2010). A common left occipito-temporal dysfunction in developmental dyslexia and acquired letter-by-letter reading? *PLoS One, 5*: e12073. doi: 10.1371/journal.pone.0012073
- Schurz, M., Sturm, D., Richlan, F., Kronbichler, M., Ladurner, G., & Wimmer, H. (2010). A dual-route perspective on brain activation in response to visual words: Evidence for a length by lexicality interaction in the visual word form area (VWFA). *NeuroImage, 49*, 2649-2661. doi: 10.1016/j.neuroimage.2009.10.082
- Wimmer, H., Schurz, M., Sturm, D., Richlan, F., Klackl, J., Kronbichler, M., & Ladurner, G. (2010). A dual-route perspective on poor reading in a regular orthography: An fMRI study. *Cortex, 46*, 1284-1298. doi: 10.1016/j.cortex.2010.06.004
- 2009 (2):
- Kronbichler, M., Klackl, J., Richlan, F., Schurz, M., Staffen, W., Ladurner, G., & Wimmer, H. (2009). On the Functional Neuroanatomy of Visual Word Processing: Effects of Case and Letter Deviance. *Journal of Cognitive Neuroscience, 21*(2), 222-229. doi: 10.1162/jocn.2009.21002
- Richlan, F., Kronbichler, M., & Wimmer, H. (2009). Functional abnormalities in the dyslexic brain: A quantitative meta-analysis of neuroimaging studies. *Human Brain Mapping, 30*, 3299-3308. doi: 10.1002/hbm.20752

### **Book chapters (6):**

- Richlan, F. (in press). Neurological function in adult dyslexia. In P. Colé, E. Cavalli, & L. Duncan (Eds.), *Dyslexia at University: Theoretical insights and practical solutions*. De Boeck Supérieur.
- Richlan, F. (in press). Le fonctionnement neurologique de l'adulte dyslexique. In P. Colé, E. Cavalli, & L. Duncan (Eds.), *La dyslexie à l'âge adulte*. De Boeck Supérieur.
- Wimmer, H., & Richlan, F. (in press). The cognitive neuroscience of dyslexia in regular orthographies: a reappraisal of the phonological deficit explanation. In G. Eden (Ed.), *The Wiley Handbook on the Cognitive Neuroscience of Developmental Dyslexia* (pp. xx-xx). John Wiley & Sons, Ltd.
- Richlan, F. (2018). Mentaltraining. In D. Meier, *Go hard or go home – Faszination Ultratriathlon* (pp. xx-xx). Sportwelt Verlag.
- Richlan, F. (2018). Sportsucht [Interview]. In D. Meier, *Go hard or go home – Faszination Ultratriathlon* (pp. xx-xx). Sportwelt Verlag.
- Richlan, F. (2016). Sensible Phasen im Nachwuchsleistungssport aus neurowissenschaftlicher Perspektive. In T. Wörz (Ed.), *Talentförderung – Sensible Phasen auf dem Weg zur Weltspitze* (pp. 91-93). Pabst Science Publishers.

### **Online documents (20):**

- Richlan, F. (2020, May 13). Sportpsychologe rät: „Geisterspiele brauchen eine gezielte mentale Vorbereitung“ [Interview]. Retrieved from <https://www.sn.at/sport/fussball/bundesliga/sportpsychologe-raet-geisterspiele-brauchen-eine-gezielte-mentale-vorbereitung-87512311>
- Richlan, F. (2020, April 15). „Das kann auch zu Depressionen führen“ [Interview]. Retrieved from <https://myfiles.sbg.ac.at/index.php/s/6ZGaFyaXXofaNHs>
- Liebing, M. (2020, March 23). Corona-Krise: Welche mentalen Techniken für Sportler besonders jetzt hilfreich sein können [Interview]. Retrieved from <https://www.die-sportpsychologen.de/2020/03/corona-krise-welche-mentalen-techniken-fuer-sportler-besonders-jetzt-hilfreich-sein-koennen/>
- Liebing, M. (2020, March 11). Zum Thema Geisterspiele: Wie Spieler, Trainer und Manager darauf reagieren können [Interview]. Retrieved from <https://www.die-sportpsychologen.de/2020/03/zum-thema-geisterspiele-wie-spieler-trainer-und-manager-darauf-reagieren-koennen/>
- Richlan, F. (2019, August 29). Neurowissenschaftliches Grundwissen für Trainer, Betreuer und Eltern [Blog post]. Retrieved from <https://www.die-sportpsychologen.de/2019/08/29/dr-fabio-richlan-neurowissenschaftliches-grundwissen-fuer-trainer-betreuer-und-eltern/>
- Richlan, F. (2019, July 25). Sportpsychologie im Radsport [Blog post]. Retrieved from <https://www.die-sportpsychologen.de/2019/07/25/dr-fabio-richlan-sportpsychologie-im-radsport/>
- Richlan, F. (2019, May 13). Sport und Talk aus dem Hangar-7 [Interview]. Retrieved from <https://www.servus.com/tv/videos/aa-1x3batv811w12/>
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## **Organized symposia (2):**

### 2015:

Richlan, F. (2015). The left ventral occipito-temporal cortex in reading: a focal point of the current debate. *41. Tagung Psychologie und Gehirn*, June 4-6, Frankfurt am Main, Germany.

### 2012:

Richlan, F. (2012). Symposium Lesen: Aktuelle neurokognitive Forschung. *10. Tagung der Österreichischen Gesellschaft für Psychologie*, April 12-14, Graz, Austria.

## Talks (74):

### 2020 (4):

Richlan, F., Fernández, S., & Schabus, M. (2020). The effects of regular sports exercise on human brain structure. *52. Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie*, May 21-23, Salzburg, Austria.

Richlan, F. (2020). Neue bildgebende Verfahren und mögliche Anwendungsfelder im Bereich der Sportwissenschaft. *Forschungsseminar Fachbereich Sport- und Bewegungswissenschaft*, April 28, online.

Zepp, C., Marschall, D., Hille, C., Seiler, K., Göber, M., & Richlan, F. (2020). Abschlusswebinar. *Strong Mind Summit*, April 8, online: <https://strongminds Summit.de/>

Richlan, F. (2020). Selbstreflexion für SportlerInnen, TrainerInnen und Eltern. *Strong Mind Summit*, April 8, online: <https://strongminds Summit.de/>

### 2019 (8):

Richlan, F. (2019). Sportpsychologie. *Instruktor Wettkampfskibergsteigen Bundessportakademie*, November 5, Fulpmes, Austria.

Richlan, F. (2019). Aufmerksamkeitssteuerung und Konzentration. *Training camp Österreichischer Skiverband Nationalmannschaft Skibergsteigen*, November 3, Neustift im Stubaital, Austria

Richlan, F., Martin, A., & Kronbichler, M. (2019). The influence of orthographic depth on brain activation during reading: a meta-analysis of universal and orthography-specific effects. *IWORDD International Workshop on Reading and Developmental Dyslexia*, October 2-4, San Sebastian, Spain.

Richlan, F. (2019). Bälle erobern – Tore verhindern mit MENTALITÄT. *Die rote Couch – Das Sportpsychologie Barcamp*, September 28-29, Leipzig, Germany.

Richlan, F. (2019). Beispielhafte Darstellung der Praxisphase. *Modulserie Sportpsychologisches Training und Coaching im Leistungssport*, July 4, Innsbruck, Austria.

Richlan, F. (2019). Development of the functional neuroanatomy of reading and dyslexia. *Leuven ChildBrain conference*, February 5-7, Leuven, Belgium.

Richlan, F. (2019). Angewandte Sportpsychologie. *VO Allgemeine Sportpsychologie*, January 17, Salzburg, Austria.

Richlan, F. (2019). Die Rolle der Diagnostik in der angewandten Sportpsychologie. *VU Diagnostik*, January 8, Salzburg, Austria.

### 2018 (8):

Richlan, F. (2018). Mental health – mental strength – peak performance. *Training camp BORA-hansgrohe*. December 14-16, Palma de Mallorca, Spain.

Richlan, F. (2018). Was können EinzelsportlerInnen von MannschaftssportlerInnen lernen? *Die rote Couch – Das Sportpsychologie Barcamp*, November 3-4, Leipzig, Germany.

Richlan, F. (2018). Erholung und Belastung im Nachwuchsleistungssport. *Die rote Couch – Das Sportpsychologie Barcamp*, November 3-4, Leipzig, Germany.

Richlan, F. (2018). Action video gaming and the brain: fMRI effects without behavioral effects in visual and verbal cognitive tasks. *20. Jahrestagung der Gesellschaft für Neuropsychologie Österreich*, October 6, Vienna, Austria.

Richlan, F. (2018). Für Respekt und Sicherheit – gegen sexualisierte Gewalt. *TrumerTriTeam*, September 28, Obertrum am See, Austria.

Richlan, F. (2018). Motivation. *TrumerTriTeam*, May 8, Obertrum am See, Austria.

Richlan, F. (2018). Einführung in die Sportpsychologie. *Yoga Ausbildung Daiva Pakalniene*, April 27, Salzburg, Austria.

Wörz, T., Richlan, F., & Strasser, N. (2018). Talente im Spannungsfeld des Leistungssports. Mentale Kompetenz zur Stärkung des Selbstwerts im Umgang mit Nähe und Distanz. *Raiffeisen Salzburger Schul-Sport-Modell*, March 12, Hallein/Rif, Austria.

#### 2017 (8):

Richlan, F. (2017). Angewandte Sportpsychologie. *VO Allgemeine Sportpsychologie*, December 7, Salzburg, Austria.

Richlan, F. (2017). Mentale Stärke im Laufsport. *besserlaufen.at*, November 17, Jeging, Austria.

Richlan, F. (2017). Wettkampf-Aktivierung. *Training camp Österreichischer Skiverband Nationalmannschaft Skibergsteigen*, September 29, Mutters, Austria

Richlan, F. (2017). Sportpsychologie. *Instruktor Wettkampfskibergsteigen Bundessportakademie*, September 6-7, Hallein/Rif, Austria.

Richlan, F. (2017). Coach the coach. *TrumerTriTeam*, April 28, Obertrum am See, Austria.

Richlan, F. (2017). Coach the coach. *TrumerTriTeam*, April 21, Obertrum am See, Austria.

Richlan, F. (2017). The functional neuroanatomy of reading and dyslexia: evidence from meta-analyses and combined eye movement and fMRI studies. *Nencki Institute of Experimental Biology*, March 27, Warsaw, Poland.

Richlan, F. (2017). Angewandte Sportpsychologie. *VO Allgemeine Sportpsychologie*, January 12, Salzburg, Austria.

#### 2016 (11):

Richlan, F. (2016). Wettkampf-Aktivierung. *Training camp Österreichischer Skiverband Nationalmannschaft Skibergsteigen*, December 3, Neustift im Stubaital, Austria.

Richlan, F. (2016). Die funktionelle Neuroanatomie des Lesens und der Leseschwäche: Erkenntnisse aus Meta-Analysen und kombinierten Blickbewegungs-fMRT-Studien. *Steirische Gesellschaft für Psychologie*, October 4, Graz, Austria.

Richlan, F. (2016). Gelingendes Coaching: Eine sportpsychologische Perspektive. *SPT-Education: Medical Athletic Coach*, August 27, Hallein/Rif, Austria.

Richlan, F. (2016). Praxisphase: Sportpsychologisches Training im Triathlon. *Modulserie Sportpsychologisches Training im Leistungssport*, July 19, Innsbruck, Austria.

Richlan, F. (2016). Mentale Wettkampfvorbereitung. *TrumerTriTeam*, July 8, Obertrum am See, Austria.

Richlan, F. (2016). Mentale Wettkampfvorbereitung. *TrumerTriTeam*, June 17, Obertrum am See, Austria.

Richlan, F. (2016). Mentale Wettkampfvorbereitung. *TrumerTriTeam*, June 3, Obertrum am See, Austria.

Richlan, F. (2016). Mentaltraining. *Trainingstage Salzburger Triathlonverband*, May 4-8, Altenmarkt, Austria.

Richlan, F. (2016). Psychologie im Ausdauersport. *Training camp G-Sport*, April 13, Riccione, Italy.

Richlan, F. (2016). Psychologie im Ausdauersport. *Training camp Trumer Leistungsdiagnostik*, March 22, Medulin, Croatia.

Richlan, F. (2016). Praxisphase: Sportpsychologisches Training im Triathlon. *Modulserie Sportpsychologisches Training im Leistungssport*, January 28, Vienna, Austria.

#### 2015 (12):

Richlan, F. (2015). Sportpsychologie und Mentaltraining im Triathlon. *Center of Mental Excellence*, September 16, Innsbruck, Austria

- Richlan, F., Schuster, S., Hawelka, S., & Hutzler, F. (2015). Brain activation of slow and fluent readers during natural reading: A fixation-related fMRI study. *18th European Conference on Eye Movements*, August 16-21, Vienna, Austria.
- Richlan, F. (2015). Unmittelbare Wettkampfvorbereitung. *TrumerTriTeam*, July 10, Obertrum am See, Austria.
- Richlan, F. (2015). Selbstbewusstsein & Umgang mit Angst. *TrumerTriTeam*, June 26, Obertrum am See, Austria.
- Richlan, F. (2015). The left ventral occipito-temporal cortex in reading: a focal point of the current debate. *41. Tagung Psychologie und Gehirn*, June 4-6, Frankfurt am Main, Germany.
- Richlan, F. (2015). Motivation & Zielsetzung. *TrumerTriTeam*, May 29, Obertrum am See, Austria.
- Richlan, F. (2015). Konzentration & Routinen. *TrumerTriTeam*, May 15, Obertrum am See, Austria.
- Richlan, F. (2015). Entspannung & Aktivierung. *TrumerTriTeam*, May 1, Obertrum am See, Austria.
- Richlan, F. (2015). Vorstellungstraining & Imagination. *TrumerTriTeam*, April 17, Obertrum am See, Austria.
- Richlan, F. (2015). Mentales Training im Leistungssport: die Techniken der Profis. *Training camp TrumerTriTeam – RC Gugge – RC Trumerseen*, April 1, Novigrad, Croatia.
- Richlan, F. (2015). Konzentration in der Wechselzone. *TrumerTriTeam*, March 23, Obertrum am See, Austria.
- Richlan, F. (2015). Teamabend Sportpsychologie. *TrumerTriTeam*, February 16, Obertrum am See, Austria.
- 2014 (2):
- Richlan, F. (2014). Functional neuroanatomy of developmental dyslexia: insights from meta-analysis and combined eye tracking and fMRI. *40. Tagung Psychologie und Gehirn*, June 19-21, Lübeck, Germany.
- Richlan, F. (2014). Methodological basics of fixation-related fMRI. *11. Tagung der Österreichischen Gesellschaft für Psychologie*, April 24-26, Vienna, Austria.
- 2013 (4):
- Richlan, F. (2013). Meta-analysis in neuroimaging. *The Inauguration of the Nencki Institute Neurobiology Centre and Bio-Imaging Poland Conference*, November 14-16, Warsaw, Poland.
- Richlan, F., Gagl, B., Hawelka, S., Braun, M., Schurz, M., Kronbichler M., & Hutzler, F. (2013). Fixation-related fMRI analysis in the domain of reading research: using self-paced eye movements as markers for hemodynamic brain responses during visual letter string processing. *17th European Conference on Eye Movements*, August 11-16, Lund, Sweden.
- Richlan, F., Gagl, B., Hawelka, S., Braun, M., Schurz, M., Kronbichler M., & Hutzler, F. (2013). Fixation-related fMRI analysis in the domain of reading research: using self-paced eye movements as markers for hemodynamic brain responses during visual letter string processing. *Tagung experimentell arbeitender Psychologen*, March 24-27, Vienna, Austria.
- Richlan, F. (2013). Using neuroimaging and eye tracking for the investigation of skilled and dyslexic reading. *Basque Center on Cognition, Brain, and Language*, January 25, Donostia-San Sebastián, Spain.
- 2012 (4):
- Richlan, F. (2012). Fixations-korrelierte fMRT am Beispiel Leseforschung. *12. Österreichisches fMRT Symposium*, December 8, Salzburg, Austria.
- Richlan, F. (2012). Structural abnormalities in the brain of dyslexic readers. *6th European Graduate School on Literacy Acquisition*, August 25-30, Egmond aan Zee, the Netherlands.

Richlan, F. (2012). Fixations-korrelierte Auswertung von funktioneller Magnetresonanztomographie. *10. Tagung der Österreichischen Gesellschaft für Psychologie*, April 12-14, Graz, Austria.

Richlan, F. (2012). Funktionelle Abnormalitäten im Gehirn legasthener Leser. *PhD defense*, February 29, Salzburg, Austria.

#### 2011 (2):

Richlan, F. (2011). Anwendung der statistischen Grundlagen am Beispiel SPM Auswertungen. 7. *Internationales Curriculum „Funktionelle Bildgebung des Gehirns“*, December 9, Vienna, Austria.

Richlan, F. (2011). Functional and structural abnormalities in the brain of dyslexic readers. *International Symposium on Intervention in Dyslexia and Dyscalculia*, November 19, Munich, Germany.

#### 2010 (4):

Richlan, F. (2010). Funktionelle und strukturelle Abnormalitäten bei Legasthenie. *DoktorandInnen-Tag: Fachbereich Psychologie der Universität Salzburg*, December 15, Salzburg, Austria.

Richlan, F. (2010). Funktionelle und strukturelle Abnormalitäten bei Legasthenie. *10. Österreichisches fMRT Symposium*, December 4, Graz, Austria.

Richlan, F. (2010). Meta-analysis of functional and structural MR-data. *Neuroscience Summerschool*, July 29, Salzburg, Austria.

Richlan, F. (2010). Legasthenie: Dysfunktion des ventralen visuellen Pfades und kompensatorische Aktivierung frontaler und subkortikaler Strukturen beim Lesen. *DoktorandInnen-Tag: Fachbereich Psychologie der Universität Salzburg*, January 22, Salzburg, Austria.

#### 2009 (7):

Richlan, F. (2009). Legasthenie: Dysfunktion des ventralen visuellen Pfades und kompensatorische Aktivierung frontaler und subkortikaler Strukturen beim Lesen. *9. Österreichisches fMRT Symposium*, November 28, Salzburg, Austria.

Richlan, F. (2009). SPM workshop: 1st-level statistics. *5. Österreichische Curriculum „Funktionelle Bildgebung des Gehirns“*, November 27, Salzburg, Austria.

Richlan, F. (2009). Legasthenie: Abnormalitäten der grauen Masse mit Voxel-basierter Morphometrie. *Doktorandenseminar*, July 2, Salzburg, Austria.

Richlan, F. (2009). Regions of Interest. *fMRI workshop*, May 26, Salzburg, Austria.

Richlan, F. (2009). Voxel-based Morphometry. *fMRI workshop*, May 26, Salzburg, Austria.

Richlan, F. (2009). The General Linear Model. *fMRI workshop*, May 25, Salzburg, Austria.

Richlan, F. (2009). Legasthenie: Strukturelle Abnormalitäten im Gehirn mit MRT. *Doktorandenseminar*, February 5, Salzburg, Austria.

### **Congress abstracts/posters as first or senior author (37):**

#### 2020 (2):

Richlan, F., Schuster, S., Hawelka, S., Kronbichler, M., & Hutzler, F. (2020). Brain activation related to individual differences in natural reading speed: A fixation-related fMRI study. *AMLaP-Asia 2020*, April 24-26, Macao, China.

Richlan, F. (2020). Sportpsychologie für Tanz und Musik. *15. Kongress für Tanzmedizin*, March 13-15, Linz, Austria.

#### 2019 (3):

Richlan, F., Schuster, S., Hawelka, S., Kronbichler, M., & Hutzler, F. (2019). Brain activation related to individual differences in natural reading speed: A fixation-related fMRI study. *Neuroscience Day*, November 29, Salzburg, Austria.



Richlan, F., Schuster, S., Hawelka, S., Kronbichler, M., & Hutzler, F. (2019). Brain activation related to individual differences in natural reading speed: A fixation-related fMRI study. *11th Annual Meeting of the Society for the Neurobiology of Language*, August 20-22, Helsinki, Finland.

Richlan, F., Schuster, S., Hawelka, S., Kronbichler, M., & Hutzler, F. (2019). Brain activation related to individual differences in natural reading speed: A fixation-related fMRI study. *Salzburg Mind-Brain Annual Meeting*, July 11-12, Salzburg, Austria.

#### 2018 (2):

Richlan, F., Fernández, S., & Schabus, M. (2018). The effects of regular sports exercise on human brain structure. *Neuroscience Day*, September 20, Salzburg, Austria.

Richlan, F., Fernández, S., & Schabus, M. (2018). The effects of regular sports exercise on human brain structure. *Salzburg Mind-Brain Annual Meeting*, July 12-13, Salzburg, Austria.

#### 2017 (2):

Litt, R., Taylor, J., & Richlan, F. (2017). Mapping left ventral occipitotemporal dysfunction in dyslexia to cognitive theories of the disorder. *23rd Annual Meeting of the Organization for Human Brain Mapping*, June 25-29, Vancouver, Canada.

Richlan, F., Schuster, S., Hawelka, S., Kronbichler, M., & Hutzler, F. (2017). Brain networks underlying individual differences in natural reading: A fixation-related fMRI study. *Salzburg Mind-Brain Annual Meeting*, July 13-14, Salzburg, Austria.

#### 2016 (7):

Litt, R., Taylor, J., & Richlan, F. (2016). Adjudicating between theoretical accounts of left ventral occipitotemporal dysfunction in dyslexia: an fMRI study. *23rd Annual Meeting of the Society for the Scientific Study of Reading*, July 13-16, Porto, Portugal.

Martin, A., Kronbichler, M., & Richlan, F. (2016). Dyslexic brain activation abnormalities in deep and shallow orthographies: a meta-analysis of 28 functional neuroimaging studies. *23rd Annual Meeting of the Society for the Scientific Study of Reading*, July 13-16, Porto, Portugal.

Martin, A., Kronbichler, M., & Richlan, F. (2016). Meta-analysis of dyslexic brain activation abnormalities in deep and shallow orthographies. *22nd Annual Meeting of the Organization for Human Brain Mapping*, June 26-30, Geneva, Switzerland.

Martin, A., Kronbichler, M., & Richlan, F. (2016). Dyslexic brain activation abnormalities in deep and shallow orthographies: a meta-analysis of 28 functional neuroimaging studies. *12. Tagung der Österreichischen Gesellschaft für Psychologie*, March 31-April 2, Innsbruck, Austria.

Richlan, F., Martin, A., & Kronbichler, M. (2016). Dyslexic brain activation abnormalities in deep and shallow orthographies: a meta-analysis of 28 functional neuroimaging studies. *8th Annual Meeting of the Society for the Neurobiology of Language*, August 17-20, London, UK.

Richlan, F., Martin, A., & Kronbichler, M. (2016). Dyslexic brain activation abnormalities in deep and shallow orthographies: a meta-analysis of 28 functional neuroimaging studies. *IWORDD International Workshop on Reading and Developmental Dyslexia*, May 5-6, Bilbao, Spain.

Schuster, S., Hawelka, S., Hutzler, F., Kronbichler, M., & Richlan, F. (2016). Words in context: the effects of length, frequency and predictability on brain responses during natural reading. *22nd Annual Meeting of the Organization for Human Brain Mapping*, June 26-30, Geneva, Switzerland.

#### 2015 (7):

Vignali, L., Hawelka, S., Hutzler, F., & Richlan, F. (2015). The role of the posterior parietal cortex in parafoveal preprocessing during reading: A fMRI and tDCS study. *Rovereto Attention Workshop*, November 5-8, Rovereto, Italy.

- Hödlmoser, K., Braun, M., Quotschalla, N., Schoisswohl, S., Fuchs, P., & Richlan, F. (2015). Transcranial electric stimulation during sleep enhances motor sequence learning. *14th Meeting of the Austrian Neuroscience Association*, September 23-25, Salzburg, Austria.
- Vignali, L., Hawelka, S., Hutzler, F., & Richlan, F. (2015). The role of the posterior parietal cortex in parafoveal preprocessing during reading: A combined eye tracking and transcranial direct current stimulation study. *14th Meeting of the Austrian Neuroscience Association*, September 23-25, Salzburg, Austria.
- Schuster, S., Hawelka, S., Hutzler, F., Kronbichler, M., & Richlan, F. (2015). Words in context: The effects of word length, frequency and predictability on brain responses during natural reading. *18th European Conference on Eye Movements*, August 16-21, Vienna, Austria.
- Hödlmoser, K., Braun, M., Quotschalla, N., Schoisswohl, S., Fuchs, P., & Richlan, F. (2015). Transcranial electric stimulation during sleep enhances motor sequence learning. *21st Annual Meeting of the Organization for Human Brain Mapping*, June 14-18, Honolulu, Hawaii, USA.
- Hödlmoser, K., Braun, M., Quotschalla, N., Schoisswohl, S., Fuchs, P., & Richlan, F. (2015). Transcranial electric stimulation during sleep enhances motor sequence learning. *Brain Stimulation and Imaging Meeting*, June 12-13, Honolulu, Hawaii, USA.
- Gagl, B., Fiebach, C., Hutzler, F. & Richlan, F. (2015). How auditory experience shapes visual word recognition in left ventral occipito-temporal cortex. *41. Tagung Psychologie und Gehirn*, June 4-6, Frankfurt am Main, Germany.
- 2014 (3):
- Richlan, F., Martin, A., Schurz, M., & Kronbichler, M. (2014). Reading in the brain of children and adults: a meta-analysis of 40 functional magnetic resonance imaging studies. *6th Annual Meeting of the Society for the Neurobiology of Language*, August 27-29, Amsterdam, the Netherlands.
- Richlan, F., Gagl, B., Hawelka, S., Braun, M., Schurz, M., Kronbichler M., & Hutzler, F. (2014). Fixation-related fMRI analysis in the domain of reading research. *20th Annual Meeting of the Organization for Human Brain Mapping*, June 8-12, Hamburg, Germany.
- Martin, A., Schurz, M., Kronbichler, M., & Richlan, F. (2014). Reading in the brain of children and adults: a meta-analysis of 40 fMRI studies. *11. Tagung der Österreichischen Gesellschaft für Psychologie*, April 24-26, Vienna, Austria.
- 2013 (2):
- Richlan, F., Gagl, B., Hawelka, S., Braun, M., Schurz, M., Kronbichler M., & Hutzler, F. (2013). Fixation-related fMRI analysis in the domain of reading research. *19th Annual Meeting of the Organization for Human Brain Mapping*, June 16-20, Seattle, WA.
- Richlan, F., Kronbichler, M., & Wimmer, H. (2013). Structural abnormalities in the dyslexic brain: A meta-analysis of Voxel-Based Morphometry studies. *3rd Oxford-Kobe Symposium*, April 11-13, Oxford, UK.
- 2012 (2):
- Richlan, F., Gagl, B., Hawelka, S., Braun, M., Kronbichler M., & Hutzler, F. (2012). Fixation-based event-related fMRI analysis during visual letter string processing. *4th Annual Meeting of the Society for the Neurobiology of Language*, October 25-27, Donostia-San Sebastián, Spain.
- Richlan, F., Kronbichler, M., & Wimmer, H. (2012). Structural abnormalities in the dyslexic brain: A meta-analysis of Voxel Based Morphometry studies. *18th Annual Meeting of the Organization for Human Brain Mapping*, June 10-14, Beijing, China.
- 2011 (1):

Richlan, F., Kronbichler, M., & Wimmer, H. (2011). Meta-analyzing brain dysfunctions in dyslexic children and adults. *17th Annual Meeting of the Organization for Human Brain Mapping*, June 26-30, Quebec, Canada.

2010 (2):

Richlan, F., Sturm, D., Schurz, M., Kronbichler, M., Ladurner, G., & Wimmer, H. (2010). A common left occipito-temporal dysfunction in developmental dyslexia and acquired letter-by-letter reading. *16th Annual Meeting of the Organization for Human Brain Mapping*, June 6-10, Barcelona, Spain.

Richlan, F., Sturm, D., Schurz, M., Kronbichler, M., Ladurner, G., & Wimmer, H. (2010). Brain activation abnormalities accompanying the abnormal word length effect in developmental dyslexia. *9. Tagung der Österreichischen Gesellschaft für Psychologie*, April 8-10, Salzburg, Austria.

2008 (4):

Richlan, F. (2008). Legasthenie: Strukturelle Abnormalitäten im Gehirn mit MRT. *Postersession der DoktorandInnen des FB Psychologie der Universität Salzburg*, December 15-17, Salzburg, Austria.

Richlan, F. & Kronbichler, M. (2008). Legasthenie: Funktionelle Abnormalitäten im Gehirn. Eine quantitative Metaanalyse bildgebender Studien. *8. Österreichisches fMRT Symposium*, December 7, Vienna, Austria.

Richlan, F., Kronbichler, M., & Wimmer, H. (2008). Clarifying lexicality effects in the occipitotemporal cortex. *XXIX International Congress of Psychology*, July 20-25, Berlin, Germany.

Richlan, F. & Kronbichler, M. (2008). Functional abnormalities in the dyslexic brain: A quantitative meta-analysis of neuroimaging studies. *14th Annual Meeting of the Organization for Human Brain Mapping*, June 15-19, Melbourne, Australia.

**Doctoral dissertation and master's thesis (3):**

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