

Curriculum Vitae

Univ-Prof. Dr. rer. nat. Dr. phil. habil Martina Rieger, Dipl.-Psych.

Vocational Career

Since 10/11	Professor for General and Experimental Psychology at the University for Health Sciences, Medical Informatics and Technology (UMIT), Hall in Tirol, Austria, Associate Professor until 30.02.2016, Full Professor since 01.03.2016
10/09-09/11	Temporary Professor for Cognitive Psychology, Johann Wolfgang Goethe-University, Frankfurt/Main, Germany
01/09-09/09	Senior Researcher, Max-Planck Institute for Human Cognitive and Brain Sciences, Department of Psychology, Leipzig, Germany
01/08-12/08	College Teacher, University College London (UCL), Department of Psychology, London, UK
02/01-12/07	Senior Researcher, Max-Planck-Institute for Psychological Research, renamed to Max-Planck-Institute for Human Cognitive and Brain Sciences in January 2004. Location: Munich until March 2005, April 2005 move to Leipzig, Germany
06/00-12/00	Researcher, Rheinisch-Westfälische Technical University, Aachen, Germany
02/99-01/01	Psychologist, Compilation and Programming of a Multimedia-CD on Insomnia, German Society for Sleep Medicine, Schwalmstadt-Treysa, Germany
05/97-04/99	Researcher, Philipps-University, Marburg, Germany

University Education

10/94 - 03/97	Psychology at the Philipps-University Marburg, Germany, Diplom (equivalent to Masters Degree): April 1997
10/93 - 09/94	Non-graduating student at the University of Edinburgh, UK
10/89 - 09/93	Psychology at the Philipps-University in Marburg, Germany

Education

1980 - 1989	Grammar school: Albert-Schweitzer-Schule in Offenbach/Main, A-Levels May 1989
1976 - 1980	Primary school Buchhügel in Offenbach/Main

Dissertation

05/00 Title: "Neuroanatomical correlates and consequences of the inhibition of ongoing responses", Philipps-University Marburg, Grade "magna cum laude"

Habilitation

12/07 Title: "Action goals in action control", Martin-Luther-University Halle-Wittenberg

Languages

English:	fluent, written and spoken
French:	basic knowledge
Spanish:	basic knowledge
Latin	Latinum

Memberships

Austrian Society for Psychology

Deutsche Gesellschaft für Psychologie [German Society for Psychology], Full Member, since 02/2005

Fachgruppe Allgemeine Psychologie der Deutschen Gesellschaft für Psychologie

Psychonomic Society, Full Member since 4/2007, Associate Member from 4/2003

European Society for Cognitive Psychology

Honorary appointments

1998-1999 Deputy Women's Representative, Department of Psychology, Philipps-University Marburg

2002-2005 Deputy Representative, Staff Association, MPI for Psychological Research, Munich

2011-2015 Treasurer, Section Cognitive Psychology, German Psychological Society

Memberships in scientific boards

Editorial Advisory Board of journal 'Psychological Research' since 07/2014

Advisory board of 'Psychometrikon': <http://www.psychometrikon.de/>, since 2012

Review Editor 'Frontiers in Cognition' since 02/2010

Publications, original reserach (peer reviewed)

- Victoria K. E. Bart, Iring Koch & Martina Rieger (2021). Decay of inhibition in motor imagery. *Quarterly Journal of Experimental Psychology*, 74, 77-94.
- Victoria K. E. Bart, Iring Koch & Martina Rieger (2020, online first). Inhibitory mechanisms in motor imagery: disentangling different forms of inhibition using action mode switching. *Psychological Research*. DOI 10.1007/s00426-020-01327-y
- Dahm, S. F., Bart, V. K., Pithan, J. M., & **Rieger, M.** (2019). Deutsche Übersetzung und Validierung des VMIQ-2 zur Erfassung der Lebhaftigkeit von Handlungsvorstellungen. *Zeitschrift für Sportpsychologie*, 26, 151-158. DOI 10.1026/1612-5010/a000273
- Dahm, S. F., & **Rieger, M.** (2019). Errors in Imagined and Executed Typing. *Vision*, 3(4), 66. DOI [10.3390/vision3040066](https://doi.org/10.3390/vision3040066)
- Dahm, S.F. & **Rieger, M.** (2019). Is imagery better than reality? Performance in imagined dart throwing. *Human Movement Science*, 66, 38-52. DOI 10.1016/j.humov.2019.03.005
- Bart, V.K.E, Sharavdorj, E., Bazarvaani, K., Munkhbat, T., Wenke, D. & **Rieger, M.** (2019). It Was Me: The Use of Sense of Agency Cues Differs Between Cultures. *Frontiers in Psychology*, 10: 650. DOI doi: 10.3389/fpsyg.2019.00650
- Rieger, M.**, Dahm, S.F. & Koch, I. (2017). Inhibition in motor imagery: a novel action mode switching. Paradigm. *Psychonomic Bulletin & Review*, 24, 459-466. DOI 10.3758/s13423-016-1095-5
- Rieger, M.**, & Bart, V. K. E. (2016). Typing style and the use of different sources of information during typing: an investigation using self-reports. *Frontiers in Psychology*, 7, 1908. DOI 10.3389/fpsyg.2016.01908
- Dahm, S.F. & **Rieger, M.** (2016). Is there symmetry in motor imagery? Exploring different versions of the mental chronometry paradigm. *Attention, Perception, & Psychophysics*, 78, 1794-1805. DOI 10.3758/s13414-016-1112-9
- Dahm, S.F. & **Rieger, M.** (2016). Cognitive constraints on motor imagery. *Psychological Research*, 80, 235–247. DOI 10.1007/s00426-015-0656-y
- Pfister, R., Obhi, S., **Rieger, M.**, & Wenke, D. (2014). Action and perception in social contexts: Intentional binding for social action effects. *Frontiers in Human Neuroscience*, 8, 667. DOI 10.3389/fnhum.2014.00667
- Rieger, M.**, Dietrich, S and Prinz, W (2014) Effects of angular shift transformations between movements and their visual feedback on coordination in unimanual circling. *Frontiers in Psychology*, 5, 693. DOI 10.3389/fpsyg.2014.00693
- Rieger, M.**, Dietrich, S. & Prinz, W. (2014). Effects of angular gain transformations between movement and visual feedback on coordination performance in unimanual circling. *Frontiers in Psychology*, 5, 152. DOI 10.3389/fpsyg.2014.00152

- Massen, C., **Rieger, M.** & Sülzenbrück (2014). Using scissors to bisect a line: A perception-action dissociation in complex tool use. *Attention, Perception, & Psychophysics*, 76(1), 172-178. DOI 10.3758/s13414-013-0564-4
- Rieger, M.** & Massen, C. (2014). Tool characteristics in imagery of tool actions. *Psychological Research*, 78 (1), 10-17. DOI 10.1007/s00426-013-0481-0
- Diefenbach, C., **Rieger, M.**, Massen, C. & Prinz, W. (2013). Action-sentence compatibility: the role of action effects and timing. *Frontiers in Psychology*, 2, Article 272. DOI 10.3389/fpsyg.2013.00272
- Diersch, N., Mueller, K., Cross, E.S., Stadler, W., **Rieger, M.** & Schütz-Bosbach, S. (2013). Action prediction in younger versus older adults: Neural correlates of motor familiarity. *PLoS ONE* 8(5): e64195. DOI 10.1371/journal.pone.0064195
- Walter, A. & **Rieger, M.** (2012). Similar mechanisms of movement control in target- and effect-directed actions toward spatial goals? *Frontiers in Psychology*, 3, Article 539. DOI 10.3389/fpsyg.2012.00539
- Dietrich, S., Prinz, W. & **Rieger, M.** (2012). Vision-to-event and movement-to-event coordination in an unimanual circling task. *Experimental Brain Research*, 218(2), 237-246. DOI 10.1007/s00221-012-3005-z
- Diersch, N. Cross. E.S., Stadler, W., Schütz-Bosbach, S. & **Rieger, M.** (2012). Representing others' actions: The role of expertise in the aging mind. *Psychological Research*, 76 (4), 525-541. DOI 10.1007/s00426-011-0404-x
- Rieger, M.** (2012). Motor imagery in typing: Effects of typing style and action familiarity. *Psychonomic Bulletin and Review*, 19, 101-107. DOI 10.3758/s13423-011-0178-6
- Walter, A. & **Rieger, M.** (2012). Target- and effect-directed actions towards temporal goals: Similar mechanisms? *Journal of Experimental Psychology: Human Perception and Performance*, 38(4), 958-974. DOI 10.1037/a0026792
- Rieger, M.**, Martinez, F. & Wenke, D. (2011). Imagery of errors in typing. *Cognition*, 121, 163-175. DOI 10.1016/j.cognition.2011.07.005
- Cook, S., **Rieger, M.**, Donlan, C. & Howell. P. (2011). Testing orofacial abilities of children who stutter: The movement, articulation, mandibular and sensory (MAMS) assessment procedure. *Journal of Fluency Disorders*, 36, 27–40. DOI 10.1016/j.jfludis.2011.01.001
- Maidhof, C., Vavatzanidis, N., Prinz, W., **Rieger, M.** & Koelsch, S. (2010). Processing expectancy violations during music performance and perception: An ERP study. *Journal of Cognitive Neuroscience* 22 (10), 2401–2413. DOI 10.1162/jocn.2009.21332
- Maidhof, C., **Rieger, M.**, Prinz, W. & Koelsch, S. (2009). Nobody's perfect: ERP effects prior to performance errors in musicians indicate fast monitoring processes. *PLoS ONE*, 4(2), e5032. DOI 10.1371/journal.pone.0005032

- Rieger, M.,** Verwey, W.B. & Massen, C. (2008). The effect of continuous, nonlinearly transformed visual feedback on rapid aiming movements. *Experimental Brain Research*, 191, 1-12. DOI 10.1007/s00221-008-1505-7
- Rieger, M.** (2007). Letters as visual action effects in skilled typing. *Acta Psychologica* 126, 138-153. DOI 10.1016/j.actpsy.2006.11.006
- Weigelt, M., **Rieger, M.,** Mechsner, F. & Prinz, W. (2007). Target-related coupling in bimanual reaching movements. *Psychological Research*, 71, 438-447. DOI 10.1007/s00426-005-0043-1
- Drost, U.C., **Rieger, M.** & Prinz, W. (2007). Instrument specificity in experienced musicians. *Quarterly Journal of Experimental Psychology*, 60, 527–533. DOI 10.1080/17470210601154388
- Rieger, M.** (2007). The role of goal representations in moving to temporal and spatial targets. *Quarterly Journal of Experimental Psychology*, 60(2), 262-288. DOI 10.1080/17470210600760250
- Drost, U.C., **Rieger, M.,** Brass, M., Gunter, T.C. & Prinz, W. (2005). When hearing turns into playing: movement induction by auditory stimuli in pianists. *Quarterly Journal of Experimental Psychology* 58A(8), 1376 - 1389. DOI 10.1080/02724980443000610
- Drost, U.C., **Rieger, M.,** Brass, M., Gunter, T.C. & Prinz, W. (2005). Action-effect coupling in pianists. *Psychological Research*, 69(4) 233-241. DOI 10.1007/s00426-004-0175-8
- Rieger, M.,** Knoblich, G. & Prinz, W. (2005). Compensation of and adaptation to sudden changes in the environment. *Experimental Brain Research*, 163, 487-502. DOI 10.1007/s00221-004-2203-8
- Rieger, M.** (2004). Automatic keypress activation in skilled typing. *Journal of Experimental Psychology: Human Perception and Performance*, 30(3), 555-565. DOI 10.1037/0096-1523.30.3.555
- Gauggel, S., **Rieger, M.** & Feghoff, T.A. (2004). Inhibition of ongoing responses in patients with Parkinson's disease. *Journal of Neurology, Neurosurgery & Psychiatry*. 75(4), 539-544. DOI 10.1136/jnnp.2003.016469
- Rieger, M.,** Mayer, G. & Gauggel, S. (2003). Attention deficits in patients with narcolepsy. *Sleep*, 26(1), 36-43. DOI 10.1093/sleep/26.1.36
- Rieger, M.,** Gauggel, S. & Burmeister, K. (2003). Inhibition of ongoing responses following frontal, nonfrontal and basal ganglia lesions. *Neuropsychology*, 17(2), 272-282. DOI 10.1037/0894-4105.17.2.272
- Rieger, M.** & Gauggel, S. (2002). Inhibition of ongoing responses in patients with traumatic brain injury. *Neuropsychologia*, 40, 76-85. DOI 10.1016/S0028-3932(01)00068-9
- Rieger, M.** & Gauggel, S. (1999). Inhibitory aftereffects in the stop-signal paradigm. *British Journal of Psychology*, 90, 509-518. DOI 10.1348/000712699161585

Review-papers (peer reviewed)

- Dahm, S. F. & **Rieger, M.** (2014). Gedanken in Bewegung: Über Handlungsvorstellungen [Thoughts in motion: about action imagery]. *Das In Mind Magazin*, 2

Sutter, C., Sülzenbrück, S., **Rieger, M.** & Müsseler, J. (2013). Limitations of distal effect anticipation when using tools. *New Ideas in Psychology*, 31(3), 247–257. DOI 10.1016/j.newideapsych.2012.12.001

Rieger, M. (2006). Neuropsychologische Befunde bei Narkolepsie unter besonderer Berücksichtigung von Aufmerksamkeitsfunktionen. *Zeitschrift für Neuropsychologie*, 17(3), 181-189. DOI 10.1024/1016-264X.17.3.181

Book Chapters

Rieger, M. & Wenke, D. (2016). Embodiment und Sense of Agency. In J. Müsseler & M. Rieger. *Allgemeine Psychologie*. Berlin, Heidelberg: Springer, Spektrum Akademischer Verlag. DOI 10.1007/978-3-642-53898-8_21

Prinz, W., Müsseler, J. & **Rieger, M.** (2016). Einleitung - Psychologie als Wissenschaft. In J. Müsseler & M. Rieger. *Allgemeine Psychologie*. Berlin, Heidelberg: Springer, Spektrum Akademischer Verlag. DOI 10.1007/978-3-642-53898-8

Editorials

Massen, C. & **Rieger, M.** (2012). Cognitive and Motor Aspects of Human Tool Use. *Zeitschrift für Psychologie/Journal of Psychology*, 220(1), 1-2. DOI 10.1027/2151-2604/a000083

Keller, P. & **Rieger, M.** (2009). Editorial: Special Issue - Musical Movement and Synchronization. *Music Perception*, 26(5), 397-400. DOI 10.1525/mp.2009.26.5.397

Commentaries and Opinions

Rieger, M. (2012). Internal models and body schema in tool use. *Zeitschrift für Psychologie/Journal of Psychology*, 220(1), 50–52. DOI 10.1027/2151-2604/a000091

Rieger, M. (2008). Maladaptive anticipations. *Constructivist Foundations*, 4(1), 24-25.

Rieger, M. (2003). Schulendenken oder störungsspezifische Behandlung - Quo vadis Psychotherapie? [Schools of psychotherapy or disorder specific treatment – quo vadis psychotherapy?]. *Zeitschrift für Neuropsychologie*, 14 (4), 260-261.

Book Reviews

Rieger, M. (2000). *Linkes - Rechtes Gehirn [Left – Right Brain]* by S.P. Springer & G. Deutsch. *Zeitschrift für Neuropsychologie*, 11(2), 117-118.

Rieger, M. (1999). Methodology of frontal and executive function by P. Rabbitt. *Zeitschrift für Neuropsychologie*, 10(2), 123.

Conference Paper

Gauggel, S. & **Rieger, M.** (2000, Februar). Intentional inhibition of ongoing responses in patients with frontal, nonfrontal, and basal ganglia lesions. 10th Annual Rotman Research Institute Conference, 20.-24.2.2000, Toronto, Canada. In *Brain and Cognition*, 2001, 47, 333-336.

Editorships

Müsseler, J. & **Rieger, M.**, eds. (2016). *Allgemeine Psychologie [General Psychology]*. Berlin, Heidelberg: Springer, Spektrum Akademischer Verlag.

Guest Editor (with Peter Keller), 2009: *Music Perception*, 26(5) Special Issue “Musical Movement and Synchronization”

Guest Editor (with Cristina Massen), ongoing, to appear in 2012. *Journal of Psychology*. Special Issue “Using Tools: From Movements to Environmental Effects”

PhD Thesis

Rieger, M. (2000). Stop! And Go? - Neuroanatomical correlates and consequences of the inhibition of ongoing responses. Marburg. Dissertation. <http://archiv.ub.uni-marburg.de/diss/z2000/0100/> [pdf. Server University Library Marburg].

Ad Hoc Reviewer for Scientific Journals

Acta Psychologica

Advances in Experimental Psychology

Attention, Perception & Psychophysics

Behavioral Brain Research

Brain and Cognition

Brain Research

Cognition

Cognitive and Behavioral Neurology

Consciousness and Cognition

European Journal of Cognitive Psychology

Experimental Psychology

Frontiers in Cognition

Human Factors

Human Movement Science

Journal of Clinical and Experimental Neuropsychology

Journal of Experimental Psychology: General

Journal of Experimental Psychology: Human Perception and Performance

Journal of Experimental Psychology: Learning, Memory, and Cognition

Journal of Sleep Research
Journal of the International Neuropsychological Society
Journal of Psychology/Zeitschrift für Psychologie
Memory
Memory and Cognition
Music Perception
Neuropsychology
Neuroscience
Perception
Psychological Bulletin
Psychological Research
Psychologische Rundschau
Psychology of Consciousness: Theory, Research, and Practice
Psychonomic Bulletin and Review
Quarterly Journal of Experimental Psychology
Science
Zeitschrift für Sportpsychologie

Further Reviewing

External Examiner on doctoral thesis, Monash University, Australia
External Examiner on doctoral thesis, McGill University, Canada
Biotechnology and Biological Sciences Research Council (BBSRC), UK
German-Israeli Foundation for Scientific Research and Development
German Research Foundation (Deutsche Forschungsgemeinschaft, DFG)
IEEE World Haptics
International Conference of Music Perception and Cognition (ICMPC)
National Science Foundation (NSF), USA
Studienstiftung des deutschen Volkes
Section General Psychology of the German Society for Psychology, Dissertation contest
SEMPRE Young Researcher Award

Grants

Project grants

The role of goal representations in action control [Die Rolle von Zielrepräsentationen in der Handlungssteuerung], DFG-RZ: RI 1174/3-1, PhD position and 2 student assistants, 1.2.2009-31.1.2011, **94.800 EUR**

Forward Models in Motor Imagery. FWF P 24940-B25. PhD position and 2 student assistants, 1.12.2012-31.03.2017, **158.949 EUR**.

Tageszeiteffekte auf Bewegungsvorstellung und Lateralisation, unter Berücksichtigung des Chronotyps, Tiroler Wissenschaftsfonds, TWF UNI-0404/1706, 1.7.2015-30.06.2017., **4.583 EUR**.

What is learned in mental practice? Austrian Science Fund, FWF P 30488-BBL. PostDoc position and student assistants, 01.06.2018-30.11.2021, **270.774 EUR**.

Travel Grants

German Research Foundation: 2002, November, 43rd Annual Meeting of the Psychonomic Society, Kansas City.

European Sleep Research Society: 1998, September, 14th European Congress on Sleep Research, Madrid

Organisation of Scientific Workshops and Symposia

Keller, P., Palmer, C. & **Rieger, M.** (2008, May), Workshop: Musical movement and synchronization. Leipzig.

Rieger, M. & Kiesel, A. (2008, Februar). Workshop: Ideomotorisches Prinzip [Ideomotor Principle]. Weimar.

Rieger, M. & Massen, C. (2007, March). Symposium: Werkzeugtransformationen [Tool Transformations]. 49. Tagung experimentell arbeitender Psychologen, Trier. In K.F. Wender, S. Mecklenbräucker, G.D. Rey, T. Wehr (Eds.), *Beiträge zur 49. Tagung experimentell arbeitender Psychologen*, S.88. Lengerich: Papst Science Publishers.

Rieger, M. & Kunde, W. (2006, March). Symposium: Handlungsziele in der Bewegungssteuerung [Action goals in movement control]. 48. Tagung experimentell arbeitender Psychologen, Mainz. In H. Hecht, S. Berti, G. Mainhardt, M. Gamer (Eds.), *Beiträge zur 48. Tagung experimentell arbeitender Psychologen*, S. 130. Lengerich: Papst Science Publishers.

Rapinett, G., **Rieger, M.** & Prinz, W. (2004, June). Action representation. Max-Planck-Institute for Psychological Research, Munich.

Mechsner, F., **Rieger, M.** & Prinz, W. (2003, Mai). Munich Encounters in Cognition and Action (MECA VI): Bimanual Coordination - How the Hands Work Together. Max-Planck-Institute for Psychological Research, Munich.

Rieger, M., Stöcker, C. & Prinz, W. (2002, November). Workshop: Ideomotorische Handlungskontrolle [Ideomotor control], Bamberg.

Invited Oral Presentations

- 02.04.2020 Issues to be considered in motor imagery practice: performance errors, tool use, inhibition. Center for interdisciplinary research. Conference: Neurocognitive mechanisms of motor imagery practice: Current perspectives and new directions. (Virtual online conference). Bielefeld, Germany.
- 26.05.2014 Executed and imagined actions: Similarities and differences, Aachen University, Germany
- 24.05.2014 Things I have learned so far, Keynote 3rd PhD Workshop General Psychology, Aachen, Germany
- 10.04.2014 Action execution, action observation and action imagery, University Vienna, Austria
- 17.07.2013 Handlungsausführung und Handlungssimulation (eigener und fremder Handlungen) [Execution and action simulation (of one's own and other's) actions, Institut für Arbeitsforschung, Dortmund
- 10.05.2010 Handlungssteuerung: Ausführung und Simulation [Action control: Execution and simulation], Department of Psychology, University Würzburg
- 09.10.2008 Action goals in action control. Department of Psychology, University of Warwick, Coventry, UK.
- 08.11.2007 Action Goals in Action Control, Department of Cognitive Psychology, University Tuebingen
- 05.11.2007 Action Goals in Action Control, Institute for Psychology, RWTH Aachen
- 19.07.2006 Action Goals in Action Control, Max-Planck-Institute for Psychiatry, Munich
- 25.05.2006 Handlungsziele in der Handlungssteuerung [Action goals in action control], Martin-Luther-University Halle-Wittenberg
- 16.02.2006 Handlungsziele in der Handlungssteuerung [Action goals in action control], University Clinic, Technical University Aachen.
- 21.06.2004 Automatische Handlungsaktivierung bei Experten im Schreibmaschineschreiben [Automatic action activation in typing], Catholic University Eichstaett-Ingolstadt.
- 02.06.2004 Kinematische Betonung von Bewegungszielen. [Kinematic emphasis of movement targets] Medical centre for neuropsychological rehabilitation, Prof. Dr. med. W. Fries, Munich
- 13.12.2003 Handlungsziele und Handlungseffekte [Action goals and action effects] Hanse Institute for Advanced Study, Delmenhorst.
- 19.11.2001 Aufmerksamkeitsdefizite bei Patienten mit Narkolepsie [Attention deficits in patients with narcolepsy], Technical University, Chemnitz.

Invitations to Conference Symposia

- 03/2017 **Rieger, M.** (2017, March). Motor imagery of response inhibition. Motorik 2017, Augsburg. Arbeitskreis "Handlungssimulation: Funktionale Äquivalenz zur Ausführung und deren Einfluss auf motorisches Handeln und Lernen"
- 11/2012 **Rieger, M. (2012, November).** Tactile/Kinesthetic feedback and visual feedback in action imagery. Tactile Research Group 2012 Meeting, Minneapolis.

- 03/2011 Rieger, M. (2011, März). Werkzeugeigenschaften in der Handlungsvorstellung [Tool characteristics in action imagination]. 53. Tagung experimentell arbeitender Psychologen (TeaP), Martin-Luther-Universität Halle-Wittenberg, Halle. Symposium: „Sensumotorische Transformation und Werkzeughandlungen“
- 03/2010 Rieger, M. „Vorgestelltes Tippen - tatsächliches Tippen: Werden Fehler simuliert?“ [Imagined typing – actual typing: Are action errors imagined?“. 52. Tagung experimentell arbeitender Psychologen (TeaP), Saarbrücken. Symposium „Zusammenspiel von Wahrnehmung & Handlung“.
- 03/2006 Rieger, M. & Prinz, W. „Fitts’ Law under conditions of transformation between movement space and visual space“, 9. Tübinger Wahrnehmungskonferenz., 3.-5. March 2006, Tübingen: Symposium: „Perceptual-cognitive mechanisms of action control“
- 09/2004 Rieger, M. Neuropsychologische Befunde bei Narkolepsie [Neuropsychological findings in narcolepsy]. 12. Jahrestagung der Deutschen Gesellschaft für Schlafforschung und Schlafmedizin, 23.-25. September 2004, Freiburg. Symposium „Neuropsychologie“.
- 09/2004 Rieger, M. & Gauggel, S. „Fronto-striatal circuits for inhibiting ongoing actions“, 19. Jahrestagung der Gesellschaft für Neuropsychologie, 2.-5. September 2004, Munich. Symposium „Inhibitory Functions in Neuropsychology and Neuropsychiatry“.

Contributions to Conferences

- Bart, V. K. E., Koch, I. & **Rieger, M.** (2021, March). The influence of expectation effects on global inhibition in motor imagery. 63rd Tagung experimentell arbeitender Psychologen (Virtual Online Conference) Ulm, Germany
- Dahm, S. F. & **Rieger, M.** (2021, March). A little doubt saves many mistakes: Early and late error detection in copy typing. 63rd Tagung experimentell arbeitender Psychologen (Virtual Online Conference) Ulm, Germany
- Dahm, S. F., Weigelt, M., & **Rieger, M.** (2021, March). Representations after mentally practiced one finger sequences are effector independent. 63rd Tagung experimentell arbeitender Psychologen (Virtual Online Conference) Ulm, Germany
- Dahm, S. F., Weigelt, M., & **Rieger, M.** (2021, January). Effector-dependent and effector-independent sequence learning in mental and physical practice. RIO Conference (Virtual Online Conference), Manchester, UK
- Dahm, S. F., Weigelt, M., & **Rieger, M.** (2020, November). Explicit Sequence Learning in Mental Practice. 61st Annual Meeting of the Psychonomic Society (Virtual online conference), Austin Texas, USA
- Dahm, S. F., Weigelt, M. & **Rieger, M.** (2020, May). Explicit Sequence Learning in Mental Practice. *ASP Tagung 2020*, Salzburg, Austria (Online Tagung). (Vortrag)
- Bart, V. K. E., Sharavdorj, E., Bazarvaani, K., Munkhbat, T., Wenke, D. & **Rieger, M.** (2019, April) Cultures Differ in their Use of Sense of Agency Cues. Poster. 61st Tagung experimentell arbeitender Psychologen (TeaP), London, UK (Poster)
- Bart, V. K. E., Sharavdorj, E., Bazarvaani, K., Munkhbat, T., Wenke, D. & **Rieger, M.** (2019, September) Who was it? - Cultural influences on the use of sense of agency cues. 21th Conference of the European Society for Cognitive Psychology (ESCoP), Tenerife, Spain. (Poster)

- Dahm, S. & **Rieger, M.** Sources for Error Detection in Imagined and Executed Typing (2019, January). Sportmotorik 2019, Bern, Switzerland. (Poster)
- Dahm, S. & **Rieger, M.** Forward Models in Motor Imagery (2019, January). Sportmotorik 2019, Bern, Switzerland; 2019. (Vortrag)
- Dahm, S. & **Rieger, M.** Intermanual Transfer of Implicit Sequence Learning after Mental Practice (2019, May). ASP, Halle (Saale), Germany. (Poster)
- Dahm, S. & **Rieger, M.** Motor Learning in Mental Practice: Is it Effector-Independent? (2019, September) 21st Conference of the European Society for Cognitive Psychology (ESCOP), Tenerife, Spain. (Poster)
- Rieger, M.,** Dahm, S.F. & Bart, V.K.E (2019, April). Motor imagery of bimanual coordination in pianists and non-musicians. 61. Tagung experimentell arbeitender Psychologen (TeaP), London, UK. (Poster).
- Rieger, M.,** Dahm, S.F. & Bart, V.K.E (2019, September). Bimanual coordination performance in pianists and non-musicians: Imagined and executed symmetric and parallel patterns using different finger combinations. 21st Conference of the European Society for Cognitive Psychology (ESCoP), Teneriffa, Spain. (Poster).
- Rieger, M.** & Dahm, S.F. (2018, November). Aftereffects of imagined inhibition. 59th Annual Meeting of the Psychonomic Society, New Orleans, USA. (Poster).
- Bart, V. K. E., Koch, I., & Rieger, M. (2018, November). Time Course of Effector-Specific Inhibition in Motor Imagery. Poster. 59th Annual Meeting of the Psychonomic Society, New Orleans, USA (Poster)
- Dahm, S. F. & **Rieger, M.** (2018, April). Deviations from optimal performance in motor imagery. 2018 Annual Research in Imagery and Observation Group Meeting, Bielefeld, Germany.
- Bart, V. K. E., Koch, I. & **Rieger, M.** (2018, March). Time course of inhibition in motor imagery. 60. Tagung experimentell arbeitender Psychologen (TeaP), Marburg, Germany. (Vortrag).
- Rieger, M.** & Dahm, S.F. (2018, March). Aftereffects of imagined inhibition. 60. Tagung experimentell arbeitender Psychologen (TeaP), Marburg, Germany. (Poster)
- Bart, V. K. E., Koch, I. & **Rieger, M.** (2017, November). Switching between imagination and execution: The role of inhibitory mechanisms in motor imagery. 58th Annual Meeting of the Psychonomic Society, Vancouver, Canada. (Poster).
- Rieger, M.** & Dahm, S.F. (2017, November). Actual and imagined action inhibition. 58th Annual Meeting of the Psychonomic Society, Vancouver, Canada (Vortrag).
- Rieger, M.** & Dahm, S.F. (2017, March). Motor Imagery of Action Inhibition. 59. Tagung experimentell arbeitender Psychologen (TeaP), Dresden, Germany.
- Bart, V.K.E., Koch, I. & **Rieger, M.** (2017, March). To move or not to move: switching between motor imagery and motor execution. 59. Tagung experimentell arbeitender Psychologen (TeaP), Dresden, Germany.
- Dahm, S.F. & **Rieger, M.** (2017, March). Accuracy in Motor Imagery. Motorik 2017, Augsburg, Germany.
- Rieger, M.,** Dahm, S. & Koch, I. (2016, May). Contribution of Different Inhibitory Mechanisms to Motor Imagery. International Meeting of the Psychonomic Society, Granada, Spain.
- Bart, V., Wenke, D. & **Rieger, M.** (2016, May). The contribution of motor identity prediction towards intentional binding. International Meeting of the Psychonomic Society, Granada, Spain.
- Rieger, M.,** Dahm, S. & Koch, I. (2016, März/April). Bewegungshemmung bei Handlungsvorstellungen: ein neues Paradigma. 12. Tagung der Österreichischen Gesellschaft für Psychologie, Innsbruck. Austria.
- Rieger, M.,** Dahm, S. & Koch, I. (2016, March). Inhibitory mechanisms in motor imagery: a novel action mode switching paradigm. 58. Tagung experimentell arbeitender Psychologen (TeaP), Heidelberg, Germany.

- Dahm, S. & **Rieger, M.** (2016, March). Accuracy in imagined dart throwing. 58. Tagung experimentell arbeitender Psychologen (TeaP), Heidelberg, Germany.
- Dahm, S. & **Rieger, M.** (2015, September). Is there symmetry in motor imagery? 19th Conference of the European Society for Cognitive Psychology (ESCoP), Paphos, Zypern.
- Rieger, M.** (2015, September). Does recent action execution experience benefit action imagery? 19th Conference of the European Society for Cognitive Psychology (ESCoP), Paphos, Zypern.
- Dahm, S. F. & **Rieger, M.** (2015, July). Is there symmetry in motor imagery? 14th European Congress of Sport Psychology, Bern, Schweiz.
- Rieger, M.** (2015, März). Execution Benefits Action Imagery. 57. Tagung experimentell arbeitender Psychologen (TeaP), Hildesheim.
- Rieger, M.** (2014, November). Execution Benefits Imagery of Unfamiliar Actions. 55th Annual Meeting of the Psychonomic Society, Long Beach, USA.
- Dahm, S. & **Rieger, M.** (2014, November). Cognitive Constraints in Motor Imagery. 55th Annual Meeting of the Psychonomic Society, Long Beach, USA.
- Dahm, S. F. & **Rieger, M.** (2014, Mai). Motorische Vorstellungen bimanueller Bewegungen. 46. ASP-Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie, München. In R. Frank, I. Nixdorf, F. Ehrlenspiel, A. Geipel, A. Mornell & J. Beckmann (Hrsg.). Performing under Pressure. Schriften der Deutschen Vereinigung für Sportwissenschaft, Band 234, S.159. Hamburg: Czwalina.
- Dahm, S. F., Pithan, J. M. & **Rieger, M.** (2014, Mai). Fragebogen für Bewegungsvorstellungen, 18. Forschungswerkstatt der asp, 46. ASP-Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie, München.
- Rieger, M.,** & Saxl, K. (2014, April). Symbolic distance effect for actions. 56. Tagung experimentell arbeitender Psychologen (TeaP), Gießen.
- Dahm, S. & **Rieger, M.** (2014, April). Motor imagery of bimanual movements. 56. Tagung experimentell arbeitender Psychologen (TeaP), Gießen. In A. C. Schuetz, K. Drewing & K. R. Gegenfurtner (eds.). Abstracts of the 56th Conference of Experimental Psychologists, p.51. Lengerich: Pabst Science Publishers.
- Rieger, M.,** Schmied, B. & Saxl, K. (2013, November). Symbolic distance effect for actions words. 54th Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Dahm, S. & **Rieger, M.** (2013, Mai). Bewegungsvorstellungen beim Darts. 45. Jahrestagung der ASP (Nachwuchswerkstatt), Halle/Saale.
- Dahm, S. & **Rieger, M.** (2013, Mai). Bewegungsvorstellungen von symmetrischen und parallelen bimanuellen Koordinationsaufgaben. 45. Jahrestagung der ASP, Halle/Saale.
- Rieger, M.** (2013, März). Constraints of bimanual coordination in motor imagery. 55. Tagung experimentell arbeitender Psychologen (TeaP), Wien. (Vortrag)
- Rieger, M.** & Massen, C. (2012, November). Are tool characteristics represented in imagined actions? 53rd Annual Meeting of the Psychonomic Society, Minneapolis, USA.
- Rieger, M.** (2012, April). Imagery of errors in typing: the influence of correction instruction and feedback. 54. Tagung experimentell arbeitender Psychologen (TeaP), Mannheim. (Vortrag)
- Diersch, N., Cross, E. S., Stadler, W., **Rieger, M.,** & Schütz-Bosbach, S. (2011, April). Representing Others' Actions: The Role of Expertise in the Aging Mind. 18th Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, CA, USA. (Poster)

- Massen, C., **Rieger, M.** & Sülzenbrück, S. (2011, September). Dissociation between Perception and Action in Pseudoneglect. 17th Conference of the European Society for Cognitive Psychology (ESCoP), San Sebastian, Spain. (Poster)
- Rieger, M.** (2011, March). Werkzeugeigenschaften in der Handlungsvorstellung. 53. Tagung experimentell arbeitender Psychologen (TeaP), Halle. (Talk)
- Rieger, M.** (2010, November). Motor imagery in typing: Expertise, familiarity, and errors. 51th Annual Meeting of the Psychonomic Society, St. Louis, USA. (Talk)
- Walter, A. & **Rieger, M.** (2010, November). Comparing movements towards targets and effects: Similar mechanisms of movement control? 51th Annual Meeting of the Psychonomic Society, St. Louis, USA. (Poster)
- Diersch, N., Cross, E. S., Stadler, W., **Rieger, M.**, & Schütz-Bosbach, S. (2010, October). The Role of Expertise in an Aging Mind for Simulating the Actions of Others. MaxNetAging Conference 2010 "Early Life - Late Life: An Interdisciplinary Approach towards Aging", Schlangenbad, Germany. (Poster)
- Diersch, N., Cross, E. S., Stadler, W., **Rieger, M.**, & Schütz-Bosbach, S. (2010, October). The Role of Expertise in an Aging Mind for Simulating the Actions of Others. Workshop: The Embodied Mind: Perspectives and Limitations, Nijmegen, The Netherlands. (Poster)
- Rieger, M.** (2010, September). Handlungssimulation: Werden Handlungsfehler berücksichtigt? [Action simulation: are action errors taken into account?] 47. Kongress der Deutschen Gesellschaft für Psychologie, Bremen. (Talk)
- Diersch, N., Stadler, W., **Rieger, M.**, & Schütz-Bosbach, S. (2010, April). The Role of Age in Simulating the Actions of Others. Cognitive Aging Conference 2010, Atlanta, GA, USA. (Poster)
- Diersch, N., Stadler, W., **Rieger, M.**, & Schütz-Bosbach, S. (2010, März). Altersbedingte Veränderungen bei der mentalen Simulation von beobachteten Handlungen. [The Role of Age in Simulating the Actions of Others]. 52. Tagung experimentell arbeitender Psychologen. Saarbrücken, Germany. (Talk)
- Rieger, M.** (2010, March). Vorgestelltes Tippen - tatsächliches Tippen: Werden Fehler simuliert? 52. Tagung experimentell arbeitender Psychologen (TeaP), Saarbrücken.(Talk)
- Walter, A. & **Rieger, M.** (2010, March). The role of goal representations in movement control. 52. Tagung experimentell arbeitender Psychologen (TeaP), Saarbrücken.
- Rieger, M.** (2009, November). Bimanual coordination in expert typists in RT, speeded tapping, and synchronization tasks. 50th Annual Meeting of the Psychonomic Society, Boston, USA.
- Rieger, M.** (2009, October). Bimanual coordination in expert typists in speeded tapping and synchronization tasks. 42. Herbsttreffen experimentelle Kognitionspsychologie (HexKop), Dortmund
- Walter, A. & **Rieger, M.** (2009, October). The role of goal representations in movement control. 42. Herbsttreffen experimentelle Kognitionspsychologie (HexKop), Dortmund
- Rieger, M.** (2009, September). Bimanual coordination in expert typists. 16th Conference of the European Society for Cognitive Psychology (ESCoP), Krakow, Poland.
- Kohlhoff, E., **Rieger M.**, & Schroeter M. (2009, September). Circadianrhythmik von Aufmerksamkeitsfunktionen. 17. Jahrestagung der Deutschen Gesellschaft für Schlafforschung und Schlafmedizin, Leipzig.
- Rieger, M.** (2009, June). Bimanual coordination in expert typists in RT and tapping tasks. European Workshop on Movement Science, Lissabon, Portugal.
- Dietrich, S. & **Rieger, M.** (2009, March). Phase-shift and gain transformations in unimanual coordination. 51. Tagung experimentell arbeitender Psychologen (TeaP), Jena.
- Rieger, M.** (2009, March). Bimanual coordination in expert typists. 51. Tagung experimentell arbeitender Psychologen (TeaP), Jena.

- Dietrich, S., **Rieger, M.**, & Prinz, W. (2008, November). Action-Effect Transformations in Unimanual Coordination. 49th Annual Meeting of the Psychonomic Society, Chicago. In Abstracts of the Psychonomic Society, 13, p. 100. Psychonomic Society Publication.
- Hauser, C., Massen, C., **Rieger, M.**, Glenberg, A. & Prinz, W. (2008, July). The role of movement in the action-sentence compatibility effect. XXIX International Congress of Psychology, Berlin.
- Dietrich, S., **Rieger, M.** & Prinz, W. (2008, July). Visual-spatial layout contributes to unimanual coordination. XXIX International Congress of Psychology, Berlin. *International Journal of Psychology*, 43(3/4), 450.
- Rieger, M.** (2008, July). Spatial representations in skilled typing. XXIX International Congress of Psychology, Berlin.
- Verwey, W.B., **Rieger, M.** & Massen, C. (2008, March). Nonlinear visuomotor transformations: effects of visual feedback. 50. Tagung experimentell arbeitender Psychologen (TeaP), Marburg.
- Dietrich, S., **Rieger, M.**, & Prinz, W. (2008, March). Der Kontext visueller Bewegungseffekte beeinflusst die Koordinationsleistung [Context of visual movement effects affects coordination performance], 50. Tagung experimentell arbeitender Psychologen (TeaP), Marburg. In P. Khader, K. Jost, & H. Lachnit (Eds.), *Beiträge zur 50. Tagung experimentell arbeitender Psychologen*, p. 125. Lengerich: Pabst Science Publishers.
- Rieger, M.** (2008, February). Action goals in action control. Workshop on the Ideomotor principle, Weimar.
- Rieger, M.** (2007, November). Spatial Representations in Skilled Typing: Keys and Names. 49th Annual Meeting of the Psychonomic Society, Long Beach California, USA.
- Rieger, M.** (2007, September). Action generating and action evaluating function of action-effects in typewriting. 15th Conference of the European Society for Cognitive Psychology (ESCoP), Marseille, France.
- Rieger, M.** (2007, July). Activation of movement direction and movement endpoint in typing-experts? Joint Meeting of the Experimental Psychology Society and the Psychonomic Society, Edinburgh, Scotland.
- Dietrich, S., **Rieger, M.** & Prinz, W. (2007, March). The effect of transformed feedback on unimanual circling movements. In K.F. Wender, S. Mecklenbräuker, G.D. Rey, T. Wehr (Eds.), *Beiträge zur 49. Tagung experimentell arbeitender Psychologen, S. 91*. Lengerich: Pabst Science Publishers.
- Hauser, C., Massen, M., **Rieger, M.**, Glenberg, A. & Prinz, W. (2007, March). Die Interaktion von sprachlichen Stimuli und Bewegungen bzw. Bewegungseffekten. 49. Tagung experimentell arbeitender Psychologen, Trier. In K.F. Wender, S. Mecklenbräuker, G.D. Rey, T. Wehr (Eds.), *Beiträge zur 49. Tagung experimentell arbeitender Psychologen, S. 92*. Lengerich: Pabst Science Publishers.
- Rieger, M.** (2007, March). Automatische Aktivierung der Bewegung bei Experten im Schreibmaschineschreiben? 49. Tagung experimentell arbeitender Psychologen, Trier. In K.F. Wender, S. Mecklenbräuker, G.D. Rey, T. Wehr (Eds.), *Beiträge zur 49. Tagung experimentell arbeitender Psychologen, S. 193*. Lengerich: Pabst Science Publishers.
- Rieger, M.** (2006, November). Action generating and action evaluating function of action-effects in typewriting. 47th Annual Meeting of the Psychonomic Society, Vancouver, Canada.
- Gauggel, S. & **Rieger, M.** (2006, September). Inhibition von Handlungen bei Patienten mit einem Parkinson-Syndrom. 45. Kongress der Deutschen Gesellschaft für Psychologie (DGPs), Universität Erlangen-Nürnberg. In F. Lösel & D. Bender (Eds.), *45. Kongress der Deutschen Gesellschaft für Psychologie. Humane Zukunft gestalten, S. 98*. Lengerich: Pabst.
- Rieger, M.** (2006, September). Die Funktion von visuellen Handlungseffekten beim Tippen. 45. Kongress der Deutschen Gesellschaft für Psychologie (DGPs), Universität Erlangen-Nürnberg. In F. Lösel & D. Bender (Eds.), *45. Kongress der Deutschen Gesellschaft für Psychologie. Humane Zukunft gestalten, S. 285*. Lengerich: Pabst.

- Rieger, M.** (2006, April). The influence of goal representations on movement kinematics. Annual Main Meeting of the Society for Experimental Biology. Canterbury, UK. In *Comparative Biochemistry and Physiology* 143A (Suppl.), 111.
- Maidhof, C., **Rieger, M.** & Koelsch, S. (2006, March). Die Verarbeitung von eigenen und fremd-induzierten Fehlern bei Musikern. 48. Tagung experimentell arbeitender Psychologen, Mainz. In H. Hecht, S. Berti, G. Mainhardt, M. Gamer (Eds.), *Beiträge zur 48. Tagung experimentell arbeitender Psychologen*, S. 286. Lengerich: Papst Science Publishers.
- Rieger, M.** (2006, March). Buchstaben als visuelle Handlungseffekte bei Experten im Tippen. 48. Tagung experimentell arbeitender Psychologen, Mainz. In H. Hecht, S. Berti, G. Mainhardt, M. Gamer (Eds.), *Beiträge zur 48. Tagung experimentell arbeitender Psychologen*, S. 133. Lengerich: Papst Science Publishers.
- Rieger, M.** & Prinz, W. (2005, November). Tool transformation and Fitts' Law: the influence of extracorporal space. 46th Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Rieger, M.** & Prinz, W. (2005, September). Tool transformation: an instance where Fitts' law does not hold. 14th Conference of the European Society for Cognitive Psychology (ESCoP), Leiden, Netherlands.
- Weigelt, M., **Rieger, M.** & Prinz, W. (2005, August). Preparing two actions: conceptual constraints on the production of bimanual responses, Progress in Motor Control Conference, The Pennsylvania State University, State College, USA. In *Book of Abstracts: Progress in Motor Control V – A Multidisciplinary Perspective*, S. 6-24.
- Rieger, M.** & Prinz, W. (2005, June). Transformations between movement and visual space: an instance where Fitts' Law does not hold. European Workshop on Movement Science (EWOMS 2005), Wien, Austria.
- Rieger, M.** & Prinz, W. (2005, April). Werkzeugtransformationen: Fitts' Law ist nicht gültig. 47. Tagung experimentell arbeitender Psychologen, Regensburg.
- Rieger, M.** (2004, September). Kinematische Betonung von Bewegungszielen bei Bewegungen der dominanten und nicht dominanten Hand. 19. Jahrestagung der Gesellschaft für Neuropsychologie, Munich.
- Drost, U.C., **Rieger, M.**, Brass, M., Gunter, T.C. & Prinz, W. (2004, September). Hören und Spielen: Eine Interferenzstudie mit Pianisten. 44. Kongress der Deutschen Gesellschaft für Psychologie (DGPs), Georg-August-Universität, Göttingen. In T. Rammsayer, S. Grabianowski, & S. Troche (Eds.), *44. Kongress der Deutschen Gesellschaft für Psychologie. 100 Jahre Deutsche Gesellschaft für Psychologie*, S. 303. Lengerich: Pabst.
- Rieger, M.** & Prinz, W. (2004, September). Kinematische Betonung von zeitlichen und räumlichen Bewegungszielen. 44. Kongress der Deutschen Gesellschaft für Psychologie (DGPs), Georg-August-Universität, Göttingen. In T. Rammsayer, S. Grabianowski, & S. Troche (Eds.), *44. Kongress der Deutschen Gesellschaft für Psychologie. 100 Jahre Deutsche Gesellschaft für Psychologie*, S. 303. Lengerich: Pabst.
- Weigelt, M., Mechsner, F., **Rieger, M.** & Prinz, W. (2004, June). Target-related coordination of bimanual reaching movements, Annual Meeting of the North American Society for Psychology of Sport and Physical Activity (NASPSA), Vancouver, British Columbia, Canada. In *Journal of Sport and Exercise Psychology*, 26, 195-196.
- Rieger, M.** (2004, June). Action-Effect-Coupling in Musicians. Workshop: Action Representation, MPI for Human Cognitive and Brain Sciences, Munich.
- Weigelt, M., Danek, A., **Rieger, M.**, Mechsner, F. & Prinz, W. (2004, May). Zielorientierte Handlungskontrolle II: Empirische Untersuchungen an Patienten mit spiegelsymmetrischer Mitbewegung. Arbeitskreis Neurowissenschaftliche Zugänge zu den Grundlagen sportlichen Handelns, Halle/Saale. In O. Stoll & A. Lau (Eds.), *Abstraktband: 36. Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie e.V.*, S. 67-68.

- Weigelt, M., **Rieger, M.**, Mechsner, F. & Prinz, W. (April, 2004). Target-related coordination underlies the control of bimanual actions. Annual Meeting of the Cognitive Neuroscience Society, San Francisco, USA. Weigelt, M., Rieger, M., Mechsner, F. & Prinz, W. (2004). Target-related coordination underlies the control of bimanual actions. *Journal of Cognitive Neuroscience*, 113-114.
- Weigelt, M., Danek, A., **Rieger, M.**, Mechsner, F. & Prinz (April, 2004). Target-related coordination underlies the control of bimanual actions: Evidence from healthy participants and patients. 46. Tagung experimentell arbeitender Psychologen (TeaP), Justus-Liebig-Universität, Gießen. In D. Kerzel, V. Franz & K. Gegenfurtner (Eds.), *Experimentelle Psychologie*, S. 279, Lengerich: Papst Science Publishers.
- Drost, U.C., **Rieger, M.**, Brass, M., Gunter, T.C. & Prinz, W. (2004, April). Bewegungsinduktion durch auditive Stimuli in Pianisten. 46. Tagung experimentell arbeitender Psychologen (TeaP), Justus-Liebig-Universität, Gießen. In D. Kerzel, V. H. Franz & K. R. Gegenfurtner (Eds.), *Experimentelle Psychologie. Beiträge zur 46. Tagung experimentell arbeitender Psychologen*, S. 64. Lengerich: Pabst.
- Rieger, M.**, Prinz, W. (2004, April). Kinematische Betonung von Bewegungszielen. 46. Tagung experimentell arbeitender Psychologen (TeaP), Justus-Liebig-Universität, Gießen. In D. Kerzel, V. H. Franz & K. R. Gegenfurtner (Eds.), *Experimentelle Psychologie. Beiträge zur 46. Tagung experimentell arbeitender Psychologen*, S. 64. Lengerich: Pabst.
- Rieger, M.**, Knoblich, G. & Prinz, W. (2003, November). Compensation for and adaptation to changes in the environment. 44th Annual Meeting of the Psychonomic Society, Vancouver, Canada.
- Drost, U.C., **Rieger, M.**, Brass, M., Gunter, T.C. & Prinz, W. (2003, November). Instrument-specific action-effect associations in experienced piano and guitar players. 44th Annual Meeting of the Psychonomic Society, Vancouver, Canada.
- Weigelt, M., Mechsner, F., **Rieger, M.** & Prinz, W. (2003, September). Stimulus congruency in the planning of bimanual movements. 13th Conference of the European Society for Cognitive Psychology (ESCoP XIII), Granada, Spain. In T. Bajo & J. Lupianez (Eds.), *Book of Abstracts: XIII Conference of the European Society of Cognitive Psychology (ESCOP)*, S. 310, Universidad de Granada, Granada, Spain.
- Rieger, M.**, Knoblich, G. & Prinz, W. (2003, September). Compensation of and adaptation to changes during continuous movements. 13th Conference of the European Society for Cognitive Psychology (ESCoP XIII), Granada, Spain. In T. Bajo & J. Lupianez (Hrsg.), *Book of Abstracts: XIII Conference of the European Society of Cognitive Psychology (ESCOP)*, Universidad de Granada, Granada, Spain.
- Drost, U.C., **Rieger, M.**, Brass, M., Gunter, T.C. & Prinz, W. (2003, September). Motor-related chord representations in musical experts. 13th Conference of the European Society for Cognitive Psychology (ESCoP XIII), Granada, Spain. In T. Bajo & J. Lupianez (Eds.), *Book of Abstracts: XIII Conference of the European Society of Cognitive Psychology*, S. 327. Granada: Editorial Universidad de Granada.
- Rieger, M.** (2003, July). A role for the right frontal lobes in the inhibition of ongoing responses? Joint meeting of the International Neuropsychological Society (INS) and the Gesellschaft für Neuropsychologie (GNP), Berlin.
- Töllner, T., Weigelt, M., **Rieger, M.** & Mechsner, F. (2003, March). Bimanuelle Bewegungen aus gleichen und unterschiedlichen Ausgangspositionen: Parametrisierung vs. Zielkodierung. 45. Tagung experimentell arbeitender Psychologen (TeaP), Kiel. In J. Goltz, F. Faul & R. Mausfeld (Eds.), *Experimentelle Psychologie*. S. 222. Lengerich: Papst Science Publisher.
- Rieger, M.**, Knoblich, G. & Prinz, W. (2003, March). Die Rolle visueller Bewegungseffekte – Veränderung von Zielposition und Gain in einem kontinuierlichen Adaptationsparadigma.

45. Tagung experimentell arbeitender Psychologen, Kiel. In J. Golz., F. Faul & R. Mausfeld (Eds.), *Experimentelle Psychologie*. S. 207. Lengerich: Pabst Science Publisher.
- Drost, U.C., **Rieger, M.**, Brass, M. & Gunter, T.C. (2003, March). Handlungs-Effekt-Beziehungen bei Pianisten. 45. Tagung experimentell arbeitender Psychologen, Kiel. In J. Golz, F. Faul, & R. Mausfeld (Eds.), *Experimentelle Psychologie*, S. 75. Lengerich: Pabst Science Publishers.
- Weigelt, M., Mechsner, F., **Rieger, M.** & Prinz, W. (2003, March). Wie sich die Dimension des Stimulus auf die Planung bimanueller Bewegungen auswirkt. 45. Tagung experimentell arbeitender Psychologen, Kiel. In J. Golz, F. Faul & R. Mausfeld (Eds.), *Experimentelle Psychologie*. S. 151. Lengerich: Pabst Science Publisher.
- Mayer, G. & **Rieger, M.** (2002, Dezember). Aufmerksamkeitsdefizite und Depression bei Narkolepsie. DGPPN Jahreskongress, Berlin. In *Der Nervenarzt*, 2002 (Suppl. 1), 307.
- Rieger, M.** (2002, November). Die Aktivierung von Reaktionen bei Experten im Schreibmaschineschreiben. Workshop Ideomotorische Handlungskontrolle, Bamberg.
- Rieger, M.** & Elsner, B. (2002, November). Automatic activation of movements in typewriting experts. 43rd Annual Meeting of the Psychonomic Society, Kansas City.
- Rieger, M.** (2002, September). Automatische Aktivierung von Reaktionen bei Experten im Tippen. 43. Kongress der Deutschen Gesellschaft für Psychologie, Berlin.
- Drost, U. & **Rieger, M.** (2002, September). Effektbezogene Handlungssteuerung bei Musikern. 43. Kongress der Deutschen Gesellschaft für Psychologie, Berlin. In *Abstracts*, S. 174. Lengerich: Pabst Science Publishers.
- Rieger, M.**, Kandzia, W. & Prinz, W. (2002, March). Die Aktivierung von Handlungen durch ihre Effekte beim Tippen. 44. Tagung experimentell arbeitender Psychologen (TeaP), Chemnitz. In M. Baumann, A. Keinath & J.F. Krems (Eds.), *Experimentelle Psychologie*. Abstracts der 44. Tagung experimentell arbeitender Psychologen. Regensburg: S. Roderer Verlag.
- Rieger, M.** & Gauggel, S. (2000, Oktober). Die Beteiligung frontostriataler Schleifen an der Hemmung bereits initiiertter Reaktionen. 15. Jahrestagung der Gesellschaft für Neuropsychologie, Leipzig.
- Gauggel, S. & **Rieger, M.** (2000, Februar). Intentional inhibition of ongoing responses in patients with frontal, nonfrontal, and basal ganglia lesions. 10th Annual Rotman Research Institute Conference, 20.-24.2.2000, Toronto, Canada. In *Brain and Cognition*, 2001, 47, 333-336.
- Rieger, M.** & Gauggel, S. (1999, March). Inhibition of motor reactions in patients with frontal lesions. 1. Gemeinsame Jahrestagung DGNKN und DGNR, Hamburg. In *Neurologie & Rehabilitation*, 5 (2), 18; außerdem in K. R. H. von Wild, V. Hömberg & A. Ritz (Eds.). *Das schädelhirnverletzte Kind, Motorische Therapie, Qualitätsmanagement*. München: Zuckerschwerdt.
- Rieger, M.** & Gauggel, S. (1998, November). Resistance to interference and intellectual performance in brain-damaged patients. 13. Jahrestagung der Gesellschaft für Neuropsychologie, Kehl am Rhein.
- Gauggel, S. & **Rieger, M.** (1998, November). The ability to stop ongoing actions in brain-damaged patients. 13. Jahrestagung der Gesellschaft für Neuropsychologie, Kehl am Rhein.
- Rieger, M.** & Gauggel, S. (1998, October). Inhibitory performance in brain-damaged and control subjects. 41. Kongress der deutschen Gesellschaft für Psychologie, Dresden.
- Rieger, M.**, Mayer, G. & Gauggel, S. (1998, September). Selective impairment of attention in patients with narcolepsy and sleep apnea. 14th European Congress on Sleep Research, Madrid.
- Gauggel, S. & **Rieger, M.** (1998, July). Differences in inhibition in normal and brain-damaged subjects. 21st Annual Mid-Year Conference of the International Neuropsychological Society, Budapest, Hungary. In *Journal of the International Neuropsychological Society*, 4 (3), 215.

- Rieger, M.** & Gauggel, S. (April, 1998). Inhibitory aftereffects in the stop-signal-task. 40. Tagung experimentell arbeitender Psychologen, Marburg. In H. Lachnit, A. Jacobs & F. Rösler (Eds.), *Experimentelle Psychologie*, S. 281-282. Lengerich: Pabst Science Publishers.
- Gauggel, S. & **Rieger, M.** (1998, April). Inhibition of motor reactions and interference control in brain-damaged and control subjects. 40. Tagung experimentell arbeitender Psychologen, Marburg. In H. Lachnit, A. Jacobs & F. Rösler (Eds.), *Experimentelle Psychologie*, S. 85-86. Lengerich: Pabst Science Publishers.
- Gauggel, S. & **Rieger, M.** (1997, November). Vergleich verschiedener experimenteller Paradigmen zur Untersuchung von Inhibitionsprozessen. 12. Jahrestagung der Gesellschaft für Neuropsychologie, Bad Wildungen.
- Rieger, M.**, Mayer, G. & Gauggel, S. (1997, November). Aspekte der Aufmerksamkeit: Unterschiede zwischen Patienten mit Narkolepsie und Schlaf-Apnoe. 12. Jahrestagung der Gesellschaft für Neuropsychologie, Bad Wildungen.
- Rieger, M.**, Mayer, G. & Gauggel, S. (1996, Oktober). Aspekte der Aufmerksamkeit: Unterschiede zwischen Narkoleptikern und Schlafapnoikern. 4. Kongress der Deutschen Gesellschaft für Schlafmedizin, Erfurt.
- Rieger, M.**, Mayer, G. & Gauggel, S. (1996, October). Aspekte der Aufmerksamkeit: Unterschiede zwischen Narkolepsie-Kranken und Schlafapnoe-Patienten. Jahrestagung der Deutschen Narkolepsie Gesellschaft, Finsterbergen.
- Nuerk, H.C., **Rieger, M.** & Czeschlik, T. (1992, June). „Shyness“ and „Sociability“: Factor structure and group comparisons in German students. 6th European Conference on Personality of the EAPP, Groningen, Netherlands.

Teaching Experience

Summer 21

- Lecture: General Psychology 2: Learning and Memory, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.

Winter 20/21

- Lecture: General Psychology 1: Perception, UMIT, Hall in Tirol.
- Lecture: General Psychology 3: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice: Design and analysis of psychological experiments
- Practice: Project (Master)
- Seminar: Colloquium - Own Research (Master)
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Summer 20

- Lecture: General Psychology 2: Learning and Memory, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.

Winter 19/20

- Lecture: General Psychology 1: Perception, UMIT, Hall in Tirol.
- Lecture: General Psychology 3: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice: Design and analysis of psychological experiments

- Practice: Project (Master)
- Seminar: Colloquium - Own Research (Master)
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Summer 19

- Lecture: General Psychology 2: Learning and Memory, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.

Winter 18/19

- Lecture: General Psychology 1: Perception, UMIT, Hall in Tirol.
- Lecture: General Psychology 3: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice: Design and analysis of psychological experiments
- Practice: Project (Master)
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Summer 18

- Lecture: General Psychology 2: Learning and Memory, UMIT, Hall in Tirol.
- Lecture: General Psychology 4: Motivation and Emotion, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.

Winter 17/18

- Lecture: General Psychology 1: Perception, UMIT, Hall in Tirol.
- Lecture: General Psychology 3: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice: Design and analysis of psychological experiments
- Practice: Project (Master)
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Summer 17

- Lecture: General Psychology 2: Learning and Memory, UMIT, Hall in Tirol.
- Lecture: General Psychology 4: Motivation and Emotion, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.

Winter 16/17

- Lecture: General Psychology 1: Perception, UMIT, Hall in Tirol.
- Lecture: General Psychology 3: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice: Design and analysis of psychological experiments
- Practice: Project (Master)
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Summer 16

- Lecture: General Psychology 2: Learning and Memory, UMIT, Hall in Tirol.

- Lecture: Cognition and Emotion 2: Motivation and Emotion, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Winter 15/16

- Lecture: General Psychology 1: Perception, UMIT, Hall in Tirol.
- Lecture: Cognition and Emotion 1: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice: Design and analysis of psychological experiments
- Practice: Project (Master)
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Summer 15

- Lecture: Cognition and Neuropsychology 2: Learning and Memory, UMIT, Hall in Tirol.
- Lecture: Cognition and Emotion 2: Motivation and Emotion, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Winter 14/15

- Lecture: Cognition and Neuropsychology 1: Perception, UMIT, Hall in Tirol.
- Lecture: Cognition and Emotion 1: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice: Design and analysis of psychological experiments
- Practice: Project (Master)
- Colloquium: Current research results, UMIT, Hall in Tirol
- Results Seminar (PhD study program), UMIT, Hall in Tirol.

Summer 14

- Lectures: Cognition and Emotion 2: Motivation and Emotion, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.

Winter 13/14

- Lecture: Cognition and Emotion 1: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice (2 courses): Design and analysis of psychological experiments 2
- Practice: Project (Master)

Summer 13

- Lectures (2 courses): Cognition and Emotion 2 2: Motivation and Emotion, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Practice: Project (Master), UMIT, Hall in Tirol.
- Single Lecture: Mental Training, UMIT, Hall in Tirol (nutritional science).

Winter 12/13

- Lectures (2 courses): Cognition and Emotion 1: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Practice: Design and analysis of psychological experiments 2
- Practice: Project (Master)

Summer 12

- Lecture: Cognition and Emotion 2 2: Motivation and Emotion, UMIT, Hall in Tirol.
- Lecture: Biological Psychology 2, UMIT, Hall in Tirol.
- Lecture: General Psychology and Neuropsychology 2, UMIT, Hall in Tirol.
- Seminar: Executing and presenting scientific research, UMIT, Hall in Tirol.

Winter 11/12

- Lecture: Motivation and Emotion, UMIT, Hall in Tirol.
- Lecture: Thinking, Problem Solving, Language, UMIT, Hall in Tirol.
- Seminar: Working scientifically, UMIT, Hall in Tirol.

Summer 2011

- Seminars (3 parallel Courses) “Cognitive Psychology”, Johann Wolfgang Goethe-University, Frankfurt/Main. (34 students in each course respectively)
- Seminar “Cognitive Psychology: Perception, Cognition, Action”, Johann Wolfgang Goethe-University, Frankfurt/Main. (34 students)

Winter 10/11

- Lectures “Perception and Attention”, Johann Wolfgang Goethe-University, Frankfurt/Main. (130 students)
- Seminar “Cognitive Psychology: Mental imagery”, Johann Wolfgang Goethe-University, Frankfurt/Main. (36 students)
- Seminar „Research in Cognitive Psychology: Motor Cognition”, Johann Wolfgang Goethe-University, Frankfurt/Main. (12 students)
- Seminar „Cognitive Psychology: Cognition and Language”, Johann Wolfgang Goethe-University, Frankfurt/Main. (10 students)

Summer 2010

- Seminars (3 parallel Courses) “Cognitive Psychology”, Johann Wolfgang Goethe-University, Frankfurt/Main. (30, 25, 25 students in the 3 courses respectively)
- Seminar “Cognitive Psychology: Perception, Cognition, Action”, Johann Wolfgang Goethe-University, Frankfurt/Main. (30 students)

Winter 09/10

- Lectures “Cognitive Psychology”, Johann Wolfgang Goethe-University, Frankfurt/Main. (100 students)
- Seminar “Cognitive Psychology: Perception, Cognition, Action”, Johann Wolfgang Goethe-University, Frankfurt/Main.(30 students)

- Seminar „Research in Cognitive Psychology: Motor Cognition“, Johann Wolfgang Goethe-University, Frankfurt/Main. (6 students)
- Seminar „Exam Preparation Course: Cognitive Psychology“, Johann Wolfgang Goethe-University, Frankfurt/Main. (25 students)

Summer 09

- Seminar „Biopsychology of sleep“, Martin-Luther-University Halle-Wittenberg (30 students)

Winter 08/09

- Lectures „Biological Psychology“, Martin-Luther-University Halle-Wittenberg (60 students)
- Exercise Course „Biological Psychology“, Martin-Luther-University Halle-Wittenberg (60 students)

Term1 08/09

- Lectures: “Brain in Action”, MsC Courses, University College London (15 students)
- Lectures: “Action”, 2nd yr, University College London (80 students)
- Lecture: ‘Emotion’ (in Concepts in Methods), 1st yr, University College London (80 students)
- Lab Course, ‘Somatic Sensation’, 2nd yr, University College London (80 students)
- Seminar group, 2nd yr, University College London (10 students)

Term2 07/08

- Lectures: “Introduction to Psychology for Biologists”, 1st yr, University College London (60 students)
- Lectures: “Brain in Action”, 3rd yr, University College London (30 students)
- Seminar group, 2nd yr, University College London (10 students)

Winter 07/08

- Lectures „Biological Psychology, Martin-Luther-University Halle-Wittenberg (60 students)
- Exercise Course „Biological Psychology, Martin-Luther-University Halle-Wittenberg (60 students)

Summer 07

- Seminar „Biopsychology of sleep“, Martin-Luther-University Halle-Wittenberg (30 students)

Winter 06/07

- Lectures „Biological Psychology II, Martin-Luther-University Halle-Wittenberg (90 students)
- Lectures „Biological Psychology“, Martin-Luther-University Halle-Wittenberg (60 students)

Summer 06

- Lectures „Biological Psychology I“, Martin-Luther-University Halle-Wittenberg (90 students)

Winter 05/06

- Seminar „Neurobiology of sleep“, Martin-Luther-University Halle-Wittenberg (30 students)

Summer 04

- Research colloquium „General and experimental psychology“, LMU Munich (30 participants)
- Seminar „Introduction to general psychology“, TU Munich (30 students)

Winter 03/04

- Research colloquium „General and experimental psychology“, LMU Munich (30 participants)
- Seminar „Research Methods: Qualitative and quantitative methods“, LMU Munich (30 students)

Summer 03

- Seminar „Introduction to psychology“, TU Munich (30 students)

Summer 02

- Lectures „Statistics“, LMU Munich (100 students)
- Exercise Course „Statistics“, LMU Munich (100 students)
- Seminar „Application of cognitive paradigms in neuropsychology“, KU Eichstaett-Ingolstadt (25 students)

Winter 01/02

- Lectures „Statistics“, LMU Munich (100 students)
- Exercise Course „Statistics“, LMU Munich (100 students)

Winter 00/01

- Seminar „Strategies in neuropsychological rehabilitation“, Marburg (25 students)

Summer 98

- Seminar „Gender Studies“, Marburg (10 students)

Summer 98

- Seminar „Inhibition deficits in mental disorders“, Marburg (15 students)

Winter 97/98

- Seminar „Cognitive and clinical neuropsychology“, Marburg (30 students)

(Co)-Advisor of PhD Projects

Ongoing

Carla Breuer: Sense of agency in clinical populations

Completed

Victoria Bart: To move or not to move: The contribution of different forms of inhibition to motor imagery. Dissertation. December 2020. Hall in Tyrol.

Stephan Dahm: Forward Models in Motor Imagery. Dissertation 2017, Hall in Tyrol.

Enno Kohlhoff. Chronotype and performance in the attention network task. Dissertation. September, 2014. Leipzig.

Andrea Walter. The role of goal representations in action control. Dissertation. November 2013, Leipzig.

Nadine Diersch. Action prediction in the aging mind. Dissertation. May, 2013, Leipzig.

Sandra Dietrich. Coordination of Unimanual Continuous Movements with External Events. Dissertation. June, 2011, Leipzig

Christiane Hauser. Interactions between sentence comprehension and concurrent action: The role of movement effects and timing. Dissertation. December, 2010, Leipzig.

Julia Körner. Identification of factors contributing to driver workload. Dissertation. July 2006. Munich.

Ulrich Christian Drost. Sensory-Motor-Coupling in Musicians. Dissertation. February 2005. Munich.

Matthias Weigelt. Target-related Coupling in Bimanual Coordination. Dissertation. June 2004. Munich.

Examination Experience

Summer 2006-Winter 2009/10: Examiner for Biological Psychology, Martin-Luther University Halle-Wittenberg.

2008: Bachelor and Master Examination, University College London

Winter 2009-Summer 2012: Examiner for Cognitive Psychology, Johann-Wolfgang Goethe-University, Frankfurt/Main

Since Winter 2011: UMIT, Hall in Tirol

A handwritten signature in black ink that reads "Martina Rieger". The script is cursive and fluid, with the first name "Martina" written in a larger, more prominent hand than the last name "Rieger".

Univ-Prof. Dr. Martina Rieger

Hall in Tirol, 28.05.2021