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Research interests Eye movements, Visual memory, Attention, Psychophysics, Causality, Statistics

Education	<p>10.09 – 11.13 PhD from University of Potsdam (DE) <i>Thesis:</i> Small eye movements during fixation: The case of postsaccadic fixation and preparatory influences <i>Supervisors:</i> Prof. Reinhold Kliegl & Prof. Stephan A. Brandt</p> <p>10.05 – 09.09 Diplom (M.A. equivalent) in Psychology from University of Potsdam (DE) <i>Thesis:</i> Parafoveal-on-foveal effects in reading: A corpus analysis examining the effect of word category in reading <i>Supervisor:</i> Prof. Reinhold Kliegl</p> <p>08.07 – 07.08 University of California, Berkeley (US) International exchange student</p> <p>10.03 – 09.05 Vordiplom (B.A. equivalent) in Psychology from University of Potsdam (DE)</p> <p>08.02 – 09.03 Social Year Abroad, Orbe, Alsace (FR)</p>
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Academic track	<p>since 04.24 Humboldt-Universität zu Berlin (DE) Junior research group leader (Heisenberg program) Mind in Action Lab (mindinaction.de) Department of Psychology</p> <p>05.16 – 03.24 Humboldt-Universität zu Berlin (DE) Principal investigator (DFG Project OH274/2-1, and OH274/2-2, <i>Eigene Stelle</i>)</p> <p>since 09.20 New York University, Berlin (DE) Lecturer in Perception and Cognition (Fall semester)</p> <p>05.20 – 08.20 Parental leave (full time)</p> <p>04.17 – 08.17 Parental leave (full time)</p> <p>07.13 – 04.16 Humboldt-Universität zu Berlin (DE) Postdoctoral research scientist Active Vision and Cognition, Prof. Martin Rolfs</p> <p>05.14 – 09.14 Parental leave (full time)</p> <p>01.13 – 06.13 Universitätsklinik Charité (DE) Graduate research scientist (Berlin School of Mind and Brain) Department of Neurology, Prof. Stephan A. Brandt</p> <p>10.12 – 12.12 University of Potsdam (DE) Graduate research scientist (Berlin School of Mind and Brain) Experimental Psychology, Prof. Reinhold Kliegl</p> <p>10.09 – 09.12 University of Potsdam, Universitätsklinik Charité (DE) Graduate research scientist (Scholarship by Berlin School of Mind and Brain) Supervision by Prof. Reinhold Kliegl and Prof. Stephan A. Brandt</p> <p>01.08 – 06.08 University of California, Berkeley (US) Research internship (Prof. Mark D'Esposito, Dr. Andrew S. Kayser)</p> <p>07.06 – 09.06 Max-Planck-Institute for Human Development (DE) Research internship (Supervision by Dr. Rui Mata)</p> <p>09.05 – 08.07 University of Potsdam (DE) Student research assistant (Prof. Reinhold Kliegl)</p>
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**Preprints and
Manuscripts in
Revision**

1. Klanke, J.-N., **Ohl, S.**, & Rolfs, M. Sensorimotor awareness requires intention: Evidence from minuscule eye movements. *bioRxiv*.
2. Rolfs, M., Schweitzer, R., Castet, E., Watson, T. L., & **Ohl, S.** Lawful kinematics link eye movements to the limits of high-speed perception. *Nature Communications*.

**Publications
(peer-reviewed)**

1. **Ohl, S.** & Rolfs, M. (2025). Visual routines for detecting causal interactions are tuned to motion direction. *eLife*, 13:RP93454.
2. **Ohl, S.**, Kroell, L. M. & Rolfs, M. (2024) Saccadic selection in visual working memory is robust across the visual field and linked to saccade metrics: Evidence from 9 experiments and more than 100,000 trials. *Journal of Experimental Psychology: General*, 153(2), 544-563.
3. Klotzsche, F., Gaebler, M., Villringer, A., Sommer, W., Nikulin, V., & **Ohl, S.** (2023). Visual short-term memory related EEG components in a virtual reality setup. *Psychophysiology*, 00, e14378.
4. Rolfs, M. & **Ohl, S.** (2021). Moving fast and seeing slow? The perceptual consequences of vigorous movement. *Behavioral and Brain Sciences*, 44, e131.
5. Heuer, A., **Ohl, S.** & Rolfs, M. (2020). Memory for action: A functional view of selection in visual working memory. *Visual Cognition*, 1-13.
6. **Ohl, S.** & Rolfs, M. (2020). Bold moves: Inevitable saccadic selection in visual short-term memory. *Journal of Vision*, 20 (2):11.
7. Kunzendorf, S., Klotzsche, F., Akbal, M., Villringer, A., **Ohl, S.**, & Gaebler, M. (2019). Active information sampling varies across the cardiac cycle. *Psychophysiology*, e13322.
8. **Ohl, S.** & Rolfs, M. (2018). Saccadic selection of stabilized items in visuospatial working memory. *Consciousness and Cognition*, 64, 32-44.
9. **Ohl, S.**, Kuper, C., & Rolfs, M. (2017). Selective enhancement of orientation tuning before saccades. *Journal of Vision*, 17 (13):2, 1-11.
10. **Ohl, S.** & Rolfs, M. (2017). Chances and challenges for an active visual search perspective. *Behavioral and Brain Sciences*, 40, e150.
11. **Ohl, S.**, & Rolfs, M. (2017). Saccadic eye movements impose a natural bottleneck on visual short-term memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 43, 736-748.
12. **Ohl, S.**, & Kliegl, R. (2016). Revealing the time course of signals influencing the generation of secondary saccades using Aalen's additive hazards model. *Vision Research*, 124, 52-58.
13. Kalogeropoulou, Z., Jagadeesh, A., **Ohl, S.**, & Rolfs, M. (2016). Setting and changing feature priorities in Visual Short-Term Memory. *Psychonomic Bulletin & Review*, 24, (2), 453-458.
14. Cassanello, C., **Ohl, S.**, & Rolfs, M. (2016). Saccadic adaptation to a systematically varying disturbance. *Journal of Neurophysiology*, 116 (2), 336-350.
15. **Ohl, S.**, Wohltat, C., Kliegl, R., Pollatos, O., & Engbert, R. (2016). Microsaccades are coupled to heartbeat. *The Journal of Neuroscience*, 36 (4), 1237-1241.
16. Bahnmann, M., Hamel, J., De Beukelaer, S., **Ohl, S.**, Kehrner, S., Audebert, H. J., Kraft, A., & Brandt, S. A. (2015). Compensatory eye and head movements of patients with homonymous hemianopia in the naturalistic setting of a driving simulation. *Journal of Neurology*, 2:262, 316-325.
17. Hamel, J., De Beukelaer, S., Kraft, A., **Ohl, S.**, Audebert, H. J., & Brandt, S. A. (2013). Age-related changes in visual exploratory behavior in a natural scene setting. *Frontiers in Psychology*, 4:339, 1-12.
18. **Ohl, S.**, Brandt, S. A., & Kliegl, R. (2013). The generation of secondary saccades without postsaccadic visual feedback. *Journal of Vision*, 13 (5):11, 1-13.
19. Hamel, J., Kraft, A., **Ohl, S.**, De Beukelaer, S., Audebert, H. J., & Brandt, S. A. (2012). Driving Simulation in the Clinic: Testing visual exploratory behavior in daily life activities in patients with visual field defects. *Journal of Visualized Experiments*, 67, e4427.

20. **Ohl, S.**, Brandt, S. A., & Kliegl, R. (2011). Secondary (micro-)saccades: The influence of primary saccade end point and target eccentricity on the process of postsaccadic fixation. *Vision Research*, 23-24, 2340-2347.
21. Rolfs, M. & **Ohl, S.** (2011). Visual suppression in the superior colliculus around the time of microsaccades. *Journal of Neurophysiology*, 105, 1-3.

Funding

2024 – 2027	DFG Heisenberg Programme (DFG Grant OH274/5-1) <i>Vision and memory in action</i> (Funding can potentially be extended by another 24 months (213,000 Euro))	389,790 Euro
2024 – 2027	DFG Research Grant (DFG Grant OH274/4-1) <i>The elements of causal perception</i>	251,503 Euro
2019 – 2022	DFG Research Grant (DFG Grant OH274/2-2) <i>Action-based updating of visual short-term memory</i>	360,560 Euro
2016 – 2019	DFG Research Grant (DFG Grant OH274/2-1) <i>The impact of action on the maintenance of items in visual memory</i>	312,152 Euro
2015	Bernstein Network Computational Neuroscience Sparks Workshop on Active Visual Memory	7,500 Euro
2009 – 2012	PhD Scholarship Berlin School of Mind and Brain	51,840 Euro
08.07 – 07.08	FULBRIGHT travel grant (for studies at UC Berkeley)	
08.07 – 07.08	Scholarship for studies abroad at UC Berkeley	
06.06 – 10.08	Scholarship from Studienstiftung des Deutschen Volkes	

Honors

04.24	Heisenberg Fellowship
08.22	SR Research Early Career Award for the best talk at ECEM 2022
10.12 – 12.12	Scholarship from the University of Potsdam
08.07 – 07.08	FULBRIGHT travel grant (for studies at UC Berkeley)
08.07 – 07.08	Scholarship for studies abroad at UC Berkeley (German National Academic Foundation)
06.06 – 10.08	Scholarship from Studienstiftung des Deutschen Volkes (German National Academic Foundation)

Invited talks (since 2024)

11.24	CCNB Seminar, Freie Universität Berlin (DE) by invitation from Dr. Timo Torsten Schmidt
10.24	Kolloquium, Allgemeine Psychologie, Justus-Liebig-Universität Gießen (DE) by invitation from Prof. Karl Gegenfurtner
05.24	Invited Presentation, Rademaker Lab, Ernst Strüngmann Institute, Frankfurt (DE) by invitation from Dr. Rosanne Rademaker
02.24	BEACON Seminar, Experimental Psychology, University of Oxford (UK) by invitation from Prof. Dejan Draschkow

Organization

10.2015	Organization of 7th Bernstein Sparks Workshop: Active Perceptual Memory Co-organized with Dr. Martin Rolfs & Professor Henning Sprekeler Funded by Bernstein Network, DFG and Humboldt-University of Berlin http://www.nncn.de/en/news/events/active-perceptual-memory
since 08.2018	Ethics committee Department of Psychology
since 08.2019	PhD committee Department of Psychology 08.19, Charley Wu, <i>Humboldt-Universität zu Berlin</i> 11.19, Steffen Kluckow, <i>Humboldt-Universität zu Berlin</i> 02.23, Anna-Lisa Döring, <i>Humboldt-Universität zu Berlin</i> 03.23, Shadi Bagherzadeh-Azbari, <i>Humboldt-Universität zu Berlin</i> 08.23, Polina Arbuzova, <i>Humboldt-Universität zu Berlin</i> 09.24, Anna Eiserbeck, <i>Humboldt-Universität zu Berlin</i> 12.24, Felix Töpfer, <i>Charité — Universitätsmedizin Berlin</i> 02.25, Angeliki Charalampaki, <i>Humboldt-Universität zu Berlin</i> 02.25, Marika Constant, <i>Humboldt-Universität zu Berlin</i>

Teaching

09.24 – 12.24	Cognition (15 sessions, 180 min each) New York University Berlin
10.23 – 02.24	Lecture Allgemeine Psychologie I: Denken und theoretische Grundlagen der Allgemeinen Psychologie (14 weeks) Humboldt-Universität zu Berlin
10.23 – 02.24	Research methods: Experiment (14 weeks) Humboldt-Universität zu Berlin
09.23 – 12.23	Perception (15 sessions, 180 min each) New York University Berlin
04.23 – 07.23	Research methods: Experiment (14 weeks) Humboldt-Universität zu Berlin
04.23 – 07.23	Seminar: Fundaments of the Mind (14 weeks) Humboldt-Universität zu Berlin
10.22 – 02.23	Lecture Allgemeine Psychologie I: Denken und theoretische Grundlagen der Allgemeinen Psychologie (14 weeks) Humboldt-Universität zu Berlin
09.22 – 12.22	Perception (14 sessions, 165 min each) New York University Berlin
09.21 – 12.21	Perception (14 sessions, 165 min each) New York University Berlin
09.20 – 12.20	Perception (30 sessions, 75 min each) New York University Berlin
10.18 – 02.19	Research methods: Observation (14 weeks, 2 hours per week) Humboldt-Universität zu Berlin
04.18 – 07.18	Perception (Guest lecturer, 2 weeks) Humboldt-Universität zu Berlin
04.18 – 07.18	Research methods: Experiment (Teaching assistant) Humboldt-Universität zu Berlin
12.17	Ringvorlesung Cognitive Science (Guest lecturer, 1 week) Humboldt-Universität zu Berlin
09.16 – 01.17	Descriptive Statistics and Probability Theory (14 weeks - 3 hours per week) at Hochschule Fresenius - University of Applied Sciences, Berlin
09.16 – 01.17	Excercises in Descriptive Statistics and Probability Theory (14 weeks - 1 hour per week) at Hochschule Fresenius - University of Applied Sciences, Berlin
09.15 – 01.16	Descriptive Statistics and Probability Theory (14 weeks - 3 hours per week) at Hochschule Fresenius - University of Applied Sciences, Berlin
09.15 – 01.16	Excercises in Descriptive Statistics and Probability Theory (14 weeks - 1 hour per week) at Hochschule Fresenius - University of Applied Sciences, Berlin

Reviewing

Journals	Attention, Perception & Psychophysics Behavior Research Methods Cerebral Cortex Cognition Cognitive Psychology Communications Psychology Consciousness & Cognition Current Research in Neurobiology eLife eNeuro Experimental Brain Research Journal of Experimental Psychology: General Journal of Experimental Psychology: Human Perception and Performance Journal of Experimental Psychology: Learning, Memory and Cognition Journal of Neurophysiology Journal of Vision Memory & Cognition Nature Communications Nature Human Behaviour PeerJ PlosOne Proceedings of the National Academy of Sciences Progress in Neurobiology Psychological Research Psychonomic Bulletin & Review Psychophysiology Scientific Reports The Journal of Neuroscience Vision Research Visual Cognition
Grants	Deutsche Forschungsgemeinschaft (DFG) Israel Science Foundation (ISF) National Science Foundation (NSF) Deutschlandstipendium (2024 – 2025) Doctoral fellowships at Berlin School of Mind & Brain Berlin (ECN) Doctoral fellowships at Einstein Center for Neurosciences Berlin (ECN) Postdoc Network <i>Cognitive Conflicts during Media Use</i>

Supervision

PhD Students

since 03.19	Felix Klotzsche (PhD Student, <i>MPI for Human Cognitive and Brain Sciences</i>)
since 08.24	Laura van Zantwijk (PhD Student, <i>Humboldt-Universität zu Berlin</i>)
since 10.24	Inchara Manjunatha (PhD Student, <i>Berlin School of Mind and Brain</i>)

Thesis supervision

since 02.25	Mathilda Maier (Bachelor's Thesis, <i>Humboldt-Universität zu Berlin</i>)
since 02.25	Leonard Kempgens (Bachelor's Thesis, <i>Humboldt-Universität zu Berlin</i>)
since 01.25	Ben Sommer (Master's Thesis, <i>Humboldt-Universität zu Berlin</i>)
06.24 – 01.25	Lina Schulz (Bachelor's Thesis, <i>Humboldt-Universität zu Berlin</i>)
04.24 – 12.24	Anna Seiler (Bachelor's Thesis, <i>Humboldt-Universität zu Berlin</i>)
04.24 – 10.24	Lisa Reinhold (Bachelor's Thesis, <i>Humboldt-Universität zu Berlin</i>)
04.23 – 10.23	Ben Sommer (Bachelor's Thesis, <i>Humboldt-Universität zu Berlin</i>)
09.21 – 09.22	Laura Wirth (Master's Thesis, <i>Humboldt-Universität zu Berlin</i>)
03.20 – 09.20	Lara Mbaye (Bachelor Thesis, <i>Medical School Berlin</i>)
01.19 – 09.19	Luca Schulze Buschoff (Bachelor Thesis, <i>Universität Osnabrück</i>)
11.18 – 06.20	Susie Bryan (Master's Thesis, <i>Freie Universität Berlin</i>)
10.18 – 09.19	Susan Kang (Master's Thesis, <i>Freie Universität Berlin</i>)
11.17 – 02.19	Bea Keweloh (Bachelor Thesis, <i>Freie Universität Berlin</i>)
06.17 – 09.17	Jan Klanke (Master's Thesis, <i>Berlin School of Mind & Brain</i>)

Student assistants

since 05.24	Siri Tappesser (<i>Humboldt-Universität zu Berlin</i>)
10.21 – 05.23	Antonia Keller (<i>Humboldt-Universität zu Berlin</i>)
02.21 – 05.23	Annick Langlois (<i>Freie Universität Berlin</i>)
10.21 – 09.22	Laura Wirth (<i>Humboldt-Universität zu Berlin</i>)
07.21 – 09.22	Mara Doering (<i>Humboldt-Universität zu Berlin</i>)
02.21 – 05.21	Jakob Erhard (<i>Humboldt-Universität zu Berlin</i>)
03.20 – 10.20	Lara Mbaye (Bachelor Thesis, <i>Medical School Berlin</i>)
03.20 – 09.20	Alice Rollini (<i>Humboldt-Universität zu Berlin</i>)
02.20 – 01.21	Tobias Richter (<i>Humboldt-Universität zu Berlin</i>)
10.17 – 03.19	Olga Shurygina (<i>Berlin School of Mind & Brain</i>)
06.17 – 09.19	Jan Klanke (<i>Berlin School of Mind & Brain</i>)
04.16 – 09.17	Clara Kuper (<i>Freie Universität Berlin</i>)

Internships & lab rotations

05.21 – 08.21	Serena Luckhoff (<i>Rutgers University, New Jersey</i>)
10.19 – 03.20	Anna Melkonyan (<i>Bernstein Center for Computational Neuroscience, Berlin</i>)
08.19 – 12.19	Adu Matory (<i>Bernstein Center for Computational Neuroscience, Berlin</i>)
08.18 – 10.18	Luca Schulze Buschoff (<i>Universität Osnabrück</i>)
05.18 – 07.18	Reema El-Kaiali (<i>NYU Abu Dhabi</i>)
04.16 – 09.17	Nicole Kostosky (Internship, <i>Washington & Jefferson College Pennsylvania</i>)

Presentations

1. **Ohl, S.**, & Rolfs, M. (May, 2024). What Newton did not know about Newton's cradle: Separating visual routines for cause and effect. *Annual Meeting of the Vision Sciences Society*, St. Pete Beach (FL), USA.
2. Klotzsche, F., Gaebler, M., Villringer, A., Sommer, W., Nikulin, V., & **Ohl, S.** (May, 2024). Assessing and comparing eye tracking performance in virtual-reality headsets: A test battery. *Psychologie und Gehirn, PuG*, Hamburg, Germany.
3. Klotzsche, F., Kastrinogiannis, A., Gaebler, M., & **Ohl, S.** (March, 2024). Assessing and comparing eye tracking performance in virtual-reality headsets: A test battery. *11th MindBrainBody Symposium*, Berlin, Germany.
4. Klanke, J.-N., **Ohl, S.**, & Rolfs, M. (March, 2024). In pursuit of saccade awareness. *Tagung experimentell arbeitender Psychologen*, Regensburg, Germany.

5. **Ohi, S.**, & Rolfs, M. (May, 2023). Feature-selective mechanisms that underlie the perception of causality. Annual Meeting of the Vision Sciences Society, VSS.
6. Klanke, J.-N., **Ohi, S.**, & Rolfs, M. (May, 2023). Different levels of awareness for spontaneous, involuntary, and voluntary microsaccades. Annual Meeting of the Vision Sciences Society, VSS.
7. **Ohi, S.** (August, 2022). What the variations in saccade metrics and visual memory across the visual field tell about saccadic selection in visual working memory. Presented at the *European Conference on Eye Movements*, Leicester, UK.
8. Klanke, J.-N., **Ohi, S.**, & Rolfs, M. (May, 2022). Seeing the unconscious? Limited awareness for involuntary microsaccades. Annual Meeting of the Vision Sciences Society, VSS.
9. **Ohi, S.**, & Rolfs, M. (May, 2021). Visual adaptation reveals a direction-specific tuning in causal perception and a transfer across speeds. *Tagung experimentell arbeitender Psychologen*, Virtual/Jena, Germany.
10. Wirth, L., Shurygina, O., Rolfs, M., & **Ohi, S.** (March, 2022). Support for spatial rather than object-based saccadic selection in visual short-term memory. *Tagung experimentell arbeitender Psychologen*, Virtual/Jena, Germany.
11. **Ohi, S.**, & Rolfs, M. (May, 2021). Causality detection in the visual system is tuned to motion direction. Annual Meeting of the Vision Sciences Society, v-VSS.
12. Klotzsche, F., Gaebler, M., Villringer, A., Sommer, W., Nikulin, V., & **Ohi, S.** (May, 2021). Contralateral delay activity and induced alpha power are modulated by memory load independently of stimulus eccentricity in a virtual reality setup. Annual Meeting of the Vision Sciences Society, v-VSS.
13. Klanke, J.-N., **Ohi, S.**, & Rolfs, M. (May, 2021). Accurate perception of stimuli briefly stabilized on the retina during microsaccades. Annual Meeting of the Vision Sciences Society, v-VSS.
14. Rolfs, M., Schweitzer, R., & **Ohi, S.** (May, 2021). Lawful kinematics of saccades predict the limits of high-speed motion perception. Annual Meeting of the Vision Sciences Society, v-VSS.
15. Klanke, Jan-Nikolas, **Ohi, S.**, & Rolfs, M. (August, 2019). Rendering the invisible visible during microsaccades. *European Conference on Eye Movements*, Alicante, Spain.
16. **Ohi, S.**, & Rolfs, M. (May, 2019). Time-dependent saccadic selection in analogue and categorical visual short-term memory tasks. *19th Annual Meeting of the Vision Sciences Society*, St. Pete Beach (FL), USA.
17. **Ohi, S.** (August, 2018). Secondary saccades beyond error correction. *European Conference on Visual Perception*, Trieste, Italy.
18. Keweloh, B, **Ohi, S.**, & Rolfs, M. (August, 2018). From icons to categories: The format of visual memory representations is task-dependent. *European Conference on Visual Perception*, Trieste, Italy.
19. **Ohi, S.**, & Rolfs, M. (August, 2017). Multiple saccades enhance spatial specificity of resource allocation in visual short-term memory. *European Conference on Visual Perception*, Berlin, Germany.
20. Kunzendorf, S., Klotzsche, F., Akbal, M., Villringer, A., **Ohi, S.**, & Gaebler, M. (August, 2017). The influence of cardiac signals on visual sampling and memory performance. *European Conference on Visual Perception*, Berlin, Germany.
21. Kuper, C., **Ohi, S.**, & Rolfs, M. (August, 2017). Perceptual orientation tuning before saccades. *European Conference on Visual Perception*, Berlin, Germany.
22. Kunzendorf, S., Klotzsche, F., Akbal, M., Villringer, A., **Ohi, S.**, & Gaebler, M. (June, 2017). The influence of cardiac signals on visual sampling and memory performance. *Aegina Summer School 2017 – The Social Brain*, Aegina, Greece.
23. Rolfs, M., **Ohi, S.**, Schweitzer, R., Castet, E., & Watson, T.L. (May, 2017). Object motion thresholds are amplitude-contingent and tuned to specifically eliminate retinal motion produced by saccades. *17th Annual Meeting of the Vision Sciences Society*, St. Pete Beach (FL), USA.
24. Watson, T.L., Schweitzer, R., Castet, E., **Ohi, S.**, & Rolfs, M. (May, 2017). Intrasaccadic localisation is consistently carried out in world-centered coordinates. *17th Annual Meeting of the Vision Sciences Society*, St. Pete Beach (FL), USA.
25. **Ohi, S.**, & Rolfs, M. (March, 2017). Saccades impose priorities on visual short-term memory independently of memory load. *Tagung experimentell arbeitender Psychologen*, Dresden, Germany.

26. Kunzendorf, S., Akbal, M., Klotzsche, F., Villringer, A., **Ohl, S.**, & Gaebler, M. (March, 2017). The influence of cardiac signals on visual sampling and memory performance. *6th Mind, Brain, & Body Symposium*, Berlin, Germany.
27. Kuper, C., **Ohl, S.**, & Rolfs, M. (September, 2016). Perceptual orientation tuning before saccades. *12th Bernstein Conference*, Berlin, Germany.
28. **Ohl, S.**, & Rolfs, M. (May, 2016). Saccades inevitably protect visual memory traces. *16th Annual Meeting of the Vision Sciences Society*, St. Pete Beach (FL), USA.
29. Kalogeropoulou, Z., Jagadeesh, A., **Ohl, S.**, & Rolfs, M. (May, 2016). Shifting feature-based attention in visual short-term memory. *16th Annual Meeting of the Vision Sciences Society*, St. Pete Beach (FL), USA.
30. **Ohl, S.** (March, 2016). Bodily influence on visuomotor functioning: Coupling of heartbeat and microsaccades. *Mind, Brain, & Body Symposium*, Berlin, Germany.
31. **Ohl, S.**, & Rolfs, M. (October, 2015). Saccades inadvertently determine the content of visual short-term memory. *Active Perceptual Memory Workshop*, Berlin, Germany.
32. Kalogeropoulou, Z., **Ohl, S.**, & Rolfs, M. (October, 2015). Changing priorities in Visual Short-Term Memory. *Active Perceptual Memory Workshop*, Berlin, Germany.
33. **Ohl, S.**, & Rolfs, M. (August, 2015). Saccadic influences on vision beyond early stages of sensory encoding. *European Conference on Eye Movements*, Vienna, Austria.
34. **Ohl, S.**, & Rolfs, M. (March, 2015). Separating influences of sensory stimulation and memory load in a visual short-term memory task. *Tagung experimentell arbeitender Psychologen*, Hildesheim, Germany.
35. Kalogeropoulou, Z., **Ohl, S.**, & Rolfs, M. (August, 2014). Tuning in: How attention to motion direction shapes visual sensitivity across time. *European Conference on Visual Perception*, Belgrade, Serbia.
36. Rolfs, M., & **Ohl, S.** (May, 2014). Moved here and forgot there: Saccades deteriorate visual short-term memory for non-target locations. *14th annual meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
37. Cassanello, C., **Ohl, S.**, & Rolfs, M. (May, 2014). Saccadic plasticity induced by a periodic disturbance of visual feedback. *14th annual meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
38. **Ohl, S.**, & Rolfs, M. (April, 2014). Saccades deteriorate visual short term memory for non-target locations *Tagung experimentell arbeitender Psychologen*, Giessen, Germany.
39. Cassanello, C., **Ohl, S.**, & Rolfs, M. (April, 2014). Saccadic adaptation following a periodic disturbance of visual feedback. *Tagung experimentell arbeitender Psychologen*, Giessen, Germany.
40. De Beukelaer, S., Hamel, J., Bahnemann, M., **Ohl, S.**, Kehler, S., Audebert, J., Kraft, A., & Brandt, S. A. (March, 2014). Classification of visual exploratory behavior in patients with homonymous hemianopia. Poster presented at the *58. Jahrestagung der Deutschen Gesellschaft für Klinische Neurophysiologie und funktionelle Bildgebung (DGKN)*.
41. **Ohl, S.**, Brandt, S. A., & Kliegl, R. (August, 2013). Immediate preparatory influences on microsaccades before saccade onset to endogenously vs. exogenously defined targets. Poster presented at the *European Conference on Visual Perception*, Bremen, Germany.
42. **Ohl, S.**, Brandt, S. A., & Kliegl, R. (March, 2013). The generation of secondary (micro-)saccades in the absence of post-saccadic visual feedback. *Tagung experimentell arbeitender Psychologen*, Vienna, Austria.
43. **Ohl, S.**, Brandt, S. A., & Kliegl, R. (September, 2012). Post-saccadic location judgements after presentation of multiple target-like objects. Poster presented at the *European Conference on Visual Perception*, Alghero, Italy.
44. Hamel, J., Kraft, A., **Ohl, S.**, De Beukelaer, S., Audebert, J., & Brandt, S. A. (April, 2012). Die Fahrsimulation in der Klinik: Ein Testverfahren für visuelles Explorationsverhalten von Patienten mit Hemianopsoie im Alltag. Poster presented at the *56. Jahrestagung der Deutschen Gesellschaft für Klinische Neurophysiologie und funktionelle Bildgebung (DGKN)*.
45. De Beukelaer, S., Hamel, J., Kraft, A., **Ohl, S.**, Audebert, J., & Brandt, S. (April, 2012). Veränderung visueller Strategien und des Fahrverhaltens im Alter. Poster presented at the *56. Jahrestagung der Deutschen Gesellschaft für Klinische Neurophysiologie und funktionelle Bildgebung (DGKN)*.
46. **Ohl, S.**, Brandt, S. A., & Kliegl, R. (August, 2011). Target eccentricity and saccadic error influence the latency, amplitude and orientation of secondary (micro-)saccades. Presented at the *European Conference on Eye Movements*, Marseille, France.

47. **Ohl, S.**, & Kliegl, R. (March, 2009). Parafoveal-on-foveal effects in reading vary as a function of word category.
Tagung experimentell arbeitender Psychologen, Jena, Germany.