

Curriculum Vitae (Last update: July 21, 2024)

Office address Martin Rolfs
 Humboldt University of Berlin
 Department of Psychology *eMail:* martin.rolfs@hu-berlin.de
 Unter den Linden 6 *Phone:* +49 (0)30-2093 6775 *Web:* www.martinrolfs.de
 10099 Berlin, Germany *Fax:* +49 (0)30-2093 6771 *Lab:* www.rolfslab.de

Personal information
Birthday & place: 5. November 1977, Rostock (DE)
Nationality: German
Family status: Married, two children (born in '06 and '18)

Research interests Active perception & cognition, Attention, Visual memory, Sensorimotor control & learning

Education

05.03 – 05.07	PhD from University of Potsdam (DE) [grade: <i>summa cum laude</i>] <i>Thesis:</i> In-between fixation and movement: On the generation of microsaccades and what they convey about saccade preparation <i>Supervisors:</i> Prof. Reinhold Kliegl & Prof. Ralf Engbert
04.00 – 04.03	Diplom (M.A. equivalent) in Psychology from University of Potsdam (DE) [grade: <i>excellent</i>] <i>Thesis:</i> Statistics of microsaccades in a crossmodal attentional cuing paradigm <i>Supervisors:</i> Dr. Ralf Engbert & Prof. Reinhold Kliegl
10.99 – 03.00	Studies abroad at the Universidad Complutense Madrid (ES) EU student exchange program Sokrates/Erasmus
10.97 – 09.99	Vordiplom (B.A. equivalent) in Psychology from University of Potsdam (DE)

Academic track

since 10.22	Humboldt-Universität zu Berlin (DE) Full Professor (W3) for <i>Experimental Psychology: Active perception and cognition</i> Department of Psychology
01.18 – 09.22	Humboldt-Universität zu Berlin (DE) Heisenberg Professor (W3) for <i>Experimental Psychology: Active perception and cognition</i> Department of Psychology
10.12 – 12.17	Humboldt-Universität zu Berlin (DE) Junior Research Group Leader (DFG Emmy Noether and Heisenberg programs) Department of Psychology & Bernstein Center for Computational Neuroscience
03.12 – 09.12	CNRS Université Aix-Marseille (FR) Postdoctoral research scientist (Marie Curie International Outgoing Fellow, <i>return phase</i>) Laboratoire de Psychologie Cognitive, lab of Dr. Eric Castet
03.10 – 02.12	New York University (US) Postdoctoral research scientist (Marie Curie International Outgoing Fellow, <i>outgoing phase</i>) Department of Psychology and Center for Neural Science, lab of Prof. Marisa Carrasco
03.08 – 03.10	CNRS Université Paris Descartes, Paris V (FR) Postdoctoral research scientist (Postdoc position) Laboratoire Psychologie de la Perception, lab of Prof. Patrick Cavanagh
05.07 – 03.08	University of Potsdam (DE) Postdoctoral research scientist (University position) Experimental Psychology, lab of Prof. Reinhold Kliegl
10.05 – 05.07	University of Potsdam (DE) Graduate research scientist (University position) Experimental Psychology, lab of Prof. Reinhold Kliegl
05.03 – 09.05	University of Potsdam (DE) Graduate research scientist (in DFG project, Gottfried Wilhelm Leibniz Prize) Experimental Psychology, lab of Prof. Reinhold Kliegl

Offers for faculty positions	2017	Humboldt-Universität zu Berlin (DE), Full Professor (W3) – accepted	
	2017	Universität Hamburg (DE), Associate Professor (W2) – declined	
	2016	University of California, Santa Barbara (US), Assistant Professor – declined	
Funding	2021 – 2024	DFG Research Grant, Co-PI with Anna Heuer (DE) <i>The function of (spatio-)temporal context in visual working memory</i> DFG grant, Heuer HE8207/1-2 (357,689€) & Rolfs R03579/11-2 (5,642€)	363,331€
	2021 – 2025	ERC Consolidator Grant (EU) <i>How visual action shapes active vision (VIS-A-VIS)</i> European Research Council grant 865715	2,000,000€
	2019 – 2022	DFG Research Grant, Co-PI with Sven Ohl (DE) <i>Action-based updating of visual memory</i> DFG grant, Ohl OH274/2-2 (360,560€) & Rolfs R03579/6-2 (5,372€)	365,932€
	2018 – 2021	DFG Research Grant, Co-PI with Anna Heuer (DE) <i>Temporal structure of visual events in working memory</i> DFG grant, Heuer HE8207/1-1 (324,052€) & Rolfs R03579/11-1 (4,900€)	328,952€
	2018 – 2022	DFG Research Grant (DE) <i>Attention and sensory integration in active vision of moving objects</i> DFG grant R03579/9-1	210,120€
	2017 – 2022	DFG Heisenberg Professorship (DE) <i>Experimental Psychology: Active perception and cognition</i> DFG grants R03579/8-1 & R03579/12-1	696,188€
	2017 – 2021	NIH R01, Co-Investigator with Katy Thakkar (Michigan State) (US) <i>Uncovering pathophysiological mechanisms of psychosis using oculomotor system</i> Subaward Rolfs RC107692HUMNIH of R01 grant, Thakkar 1R01MH112644-01A1	20,000€
	2016 – 2018	DFG Research Grant, Co-PI with Sven Ohl (DE) <i>The impact of action on the maintenance of items in visual memory</i> DFG grant, Ohl OH274/2-1 (312,152€) & Rolfs R03579/6-1 (2,400€)	314,552€
	2016 – 2017	DAAD-UA collaboration with Tamara Watson (Western Sydney) (DE/AU) <i>Steady vision: the role of discontinuity and disruption</i> DAAD grant, Rolfs (7,660€), UA grant, Watson (24,850A\$)	24,500€
	2015 – 2018	DFG-ANR collaboration with Thérèse Collins (Paris Descartes) (DE/FR) <i>DOMINION: Dynamics of oculomotor adaptation & its interaction with perception</i> DFG grant, Rolfs R03579/3-1 (287,000€) & ANR grant, Collins (193,000€)	480,000€
	2015	Bernstein Network & DFG International Scientific Events (DE) <i>Bernstein Sparks Workshop on Active Perceptual Memory</i> DFG grant R03579/5-1 (8,800€), Bernstein grant (7,500€)	16,300€
	2012 – 2017	DFG Emmy Noether Independent Junior Research Group (DE) <i>The architecture of attentional processes in active vision</i> DFG grant R03579/2-1	1,083,480€
	2010 – 2013	Marie Curie International Outgoing Fellowship (EU) <i>Appearance in Action</i> Framework Program 7 grant 235625	255,000€
	2006	DFG travel grant (DE) DFG grant R03579/1-1	1,000€
	Participation in major joint projects	2019 – 2025	Cluster of Excellence EXC 2002/1 (DE) <i>Science of Intelligence, www.scienceofintelligence.de</i> Research cluster involving 21 PIs (HU Berlin, TU Berlin, FU Berlin, Charité - Universitätsmedizin Berlin, MPI for Human Development, U Potsdam)

Awards and honors	2022	Harris Distinguished Visiting Professorship at Dartmouth College (Hanover, NH, USA)
	2021	Elected member of the Wilhelm-Wundt-Gesellschaft
	2019	Keynote lecture at <i>European Conference on Eye Movements</i> in Alicante, Spain
	2017	Heisenberg fellowship and professorship from the Deutsche Forschungsgemeinschaft (DFG)
	2014	Keynote lecture at <i>International Symposium on the Role of Eye Movements in Vision – Yarbus-100</i>
	2012	Emmy Noether fellowship from the Deutsche Forschungsgemeinschaft (DFG)
	2012	Top-cited article in 2009-2011 in <i>Vision Research</i> (<i>Microsaccades: Small steps on a long way</i>)
	2011	Viperlib Prize for best Demo Night presentation of the Vision Sciences Society
	2009	Marie Curie International Outgoing fellowship from the European Commission
	2008	Heinz Heckhausen Young Scientist Award by the German Psychological Society (DGPs)
	2008	Poster prize at the <i>Rovereto Attention Workshop 2008: Attention & Motor Control</i>
	2004	Travel award for the <i>1st Summerschool on Visual Neuroscience—From spikes to awareness</i> , Raichholzhausen Castle (DE)
	2003	Travel award for the <i>EuroConference on Computational Mechanisms for the Generation and Perception of Action in 3D Space</i> , Aquafredda di Maratea (IT)
2002	Travel award for the <i>EuroConference and EBBS workshop on Cognitive and Neural Bases of Visuomotor control</i> , La Londe (FR)	
1999	Stipend in the EU's Sokrates/Erasmus Program , Universidad Complutense Madrid (ES)	
Invited research visits (1 week or more)	08.22 – 12.22	Dartmouth College , Department of Psychological and Brain Sciences, Hanover, NH (US)
	02.17	Western Sydney University , School of Social Sciences and Psychology (AU)
	02.14	Université Paris Descartes , Laboratoire Psychologie de la Perception (FR)
	03.13	Université Paris Descartes , Laboratoire Psychologie de la Perception (FR)
	08.10	University of Potsdam , Cognitive Psychology group (DE)
	07.10	Harvard University , Vision Lab, Cambridge, MA (US)
	11.09	Université de Provence & CNRS , Laboratoire de Psychologie Cognitive (FR)
12.07	Université de Provence & CNRS , Laboratoire de Psychologie Cognitive (FR)	
Memberships	since 2021	Wilhelm-Wundt-Gesellschaft
	since 2017	Bernstein Association for Computational Neuroscience
	since 2015	German Association of University Professors and Lecturers (DHV)
	since 2010	Marie Curie Fellows Association (MCFA)
	since 2008	Vision Sciences Society (VSS)
	since 2007	German Psychological Society (DGPs)
since 2007	General Psychology Unit of the DGPs (FGAP)	

Professional Services

Editorial work	since 2018	<i>Journal of Vision, Editorial Board Member</i>
Peer-reviewing activities	Manuscripts	<i>Attention, Perception, & Psychophysics; Behavioral Neuroscience; Brain Research; Cell Reports; Cognition; Communications Biology; Cortex; Current Biology; Current Directions in Psychological Science; eLife; Experimental Brain Research; Frontiers in Human Neuroscience; Frontiers in Systems Neuroscience; i-Perception; Journal of Cognition; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Eye Movement Research; Journal of Neurophysiology; Journal of Neuroscience; Journal of Vision; Multisensory Research; Nature Communications; Neuron; Philosophical Transactions of the Royal Society B: Biological Sciences; PLoS Biology; PLoS One; Proceedings of the National Academy of Sciences USA; Psychological Review; Psychological Science; Psychonomic Bulletin & Review; Psychophysiology; Reviews in the Neurosciences; Science Advances; Scientific Reports; Vision Research</i>
	Grants & Fellowships	<i>Cognitive Interaction Technology - Center of Excellence (CITEC); German Research Foundation (DFG); European Research Council (ERC); German-Israeli Foundation for Scientific Research and Development (GIF); Israel Science Foundation (ISF); Leverhulme Trust; National Science Foundation USA (NSF); Netherlands Organisation for Scientific Research (NWO); Swiss National Science Foundation (SNSF); Wellcome Trust</i>
	Conference abstracts	<i>Vision Sciences Society (VSS) 2020–2023; European Conference on Visual Perception (ECVP) 2016–2024; Psychologie und Gehirn (PuG) 2016; European Conference on Eye Movements (ECEM) 2013–2019; Meeting of the Applied Vision Association (AVA) 2013</i>
	Reg. reports	<i>Peer Community in Registered Reports (PCI RR)</i>
	Awards	<i>Brains for Brains Young Researcher Award 2014 - 2019; Jugend präsentiert Bundesfinale 2019; Preis der Justus-Liebig-Universität Gießen 2019; Deutschlandstipendium Naturwissenschaften 2023</i>
Organization of conferences, workshops, and symposia	05.24	Annual Meeting of the Vision Sciences Society (VSS) Annual conference with 1800–2000 participants, St. Petersburg, FL, (USA) Member of the Board of Directors
	07.23	European Summer School in Sensory Neuroscience Summer school funded by <i>CircleU</i> and <i>Science of Intelligence</i> , Pisa, (IT) Organizer, together with Paola Binda, Olivier Collignon, & Morten Storm Overgaard
	05.23	The Active Fovea Symposium at the <i>23rd Annual Meeting of the Vision Sciences Society</i> , St. Petersburg, FL, (USA) Organizer, together with Martina Poletti and Jude Mitchell
	07.22	Action-Perception Coupling Workshop at the <i>Berlin Summit on Robotics</i> , Berlin (DE) Organizer, together with Katherine Kuchenbecker
	07.19	Formal models of cognitive complexity Symposium with 80 participants to celebrate 25 years of Cognitive Science in Potsdam (DE) Member of organizing committee
	08.17	40th European Conference on Visual Perception (ECVP) Annual conference, 1200 participants in Berlin (DE) Spokesperson of organizing committee
	09.16	Workshop on Learning at the interface of vision and oculomotor control International Workshop with 50 participants at Humboldt-Universität zu Berlin (DE) Organizer, together with Carlos Cassanella, Florian Ostendorf & Thérèse Collins
	10.15	Bernstein Sparks Workshop on Active Perceptual Memory International Workshop with 90 participants at Humboldt-Universität zu Berlin (DE) Organizer, together with Sven Ohl & Henning Sprekeler
	08.11	Extra-retinal signals for active vision Symposium at the <i>European Conference on Eye Movements</i> , Marseille (FR) Organizer, together with Thérèse Collins

- 08.07 **Fixational eye movements: Correlates in perception, attention, & oculomotor control**
Symposium at the *European Conference on Eye Movements*, Potsdam (DE)
Organizer
- 08.07 **14th European Conference on Eye Movements**, Potsdam (DE), Local staff

**Referee/member
on dissertation or
habilitation
committees**

- 09.23 **Michelle Wyrobnik**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 08.23 **Polina Arbuzova**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 07.23 **Anna I. Thoma**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 07.23 **Lisa M. Kroell**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 06.23 **Marvin Maechler**, Dissertation at *Dartmouth College (US)*
- 01.23 **Dr. Antje Lorenz**, Habilitation at *Humboldt-Universität zu Berlin (DE)*
- 08.22 **Julia Baum**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 07.22 **Stefan Appelhoff**, Dissertation at *Freie Universität Berlin (DE)*
- 04.22 **Polina Iamshchinina**, Dissertation at *Freie Universität Berlin (DE)*
- 02.22 **Paul Zerr**, Dissertation at *Utrecht University (NL)*
- 12.21 **Shanna Coop**, Dissertation at *University of Rochester (US)*
- 05.21 **Anoushiravan Zahedi**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 11.20 **Richard Schweitzer**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 08.20 **Alexander Göttker**, Dissertation at *Justus-Liebig-Universität Gießen (DE)*
- 08.20 **Chang Yan**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 07.20 **Anna Ewa Pajkert**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 06.20 **Sunwoo Kwon**, Dissertation at *University of Rochester (US)*
- 02.20 **Rekha Varrier**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 11.19 **Dominik-Borna Ćepulić**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 10.19 **Kai Görden**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 08.19 **Charley Wu**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 03.19 **Raphael Wallroth**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 11.18 **Benedikt Ehinger**, Dissertation at *Universität Osnabrück (DE)*
- 11.18 **Jonas Dietrich**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 11.18 **Xenija Weißbecker-Klaus**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 09.18 **Kathrin Tertel**, Dissertation at *Freie Universität Berlin (DE)*
- 08.18 **Martin Maier**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 07.18 **Roy Amit**, Dissertation at *Tel Aviv University (IS)*
- 06.17 **Zampeta Kalogeropoulou**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 07.16 **Susann Meyberg**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 05.16 **Michaël Puntiroli**, Dissertation at *University of Geneva (CH)*
- 11.15 **Lyudmyla Kovalenko**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 11.15 **Seda Cavdaroglu**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 06.15 **Maroje Culinovic**, Dissertation at *Université Paris Descartes (FR)*
- 12.14 **Isabelle Bareither**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 09.14 **Felix Ball**, Dissertation at *Humboldt-Universität zu Berlin (DE)*
- 06.14 **Evelina Thunell**, Dissertation at *École polytechnique fédérale de Lausanne (CH)*
- 04.13 **Jorge Otero-Millan**, Dissertation at *Universidad de Vigo (ES)*
- 06.03 **Dr. Klaus Oberauer**, Habilitation at *University of Potsdam (DE)*

**Committee work
(current)**

- since 04.24 **Review Board Psychology** (Board Member) of the German Research Foundation (DFG)
- since 05.23 **Board of Directors** (Director) of the Vision Sciences Society
- since 02.23 **Department council** (Member), Department of Psychology, HU Berlin
- since 04.21 **Committee for faculty performance bonuses** (Chair), Faculty of Life Sciences, HU Berlin
- since 11.18 **Equal opportunity committee** (Chair), Cluster of Excellence *Science of Intelligence*
- since 09.18 **Historical cabinet** (Head of collections), Department of Psychology, HU Berlin
- since 05.18 **Ethics committee** (Vice-Chair), Department of Psychology, HU Berlin
- since 11.18 **Standing committee of good scientific practice** (Member), Charité - Universitätsmedizin Berlin

List of Publications

Journal articles (peer reviewed)

1. Roth, N., McLaughlin, J., Obermayer, K., & Rolfs (2024). Gaze behavior reveals expectations of potential scene changes. *Psychological Science*, in press.
2. Lehet, M., Rolfs, M., Bao, J., Fattal, J., & Thakkar, K.N. (2024). Pre-saccadic shifts of attention in individuals diagnosed with schizophrenia. *Brain and Behavior*, *14*, e3466.
3. Yao, B., Rolfs, M., Roberts, D., Fattal, J., Achtyes, E.D., Tso, I.F., Diwadkar, V.A., Kashy, D., Bao, J., & Thakkar, K.N. (2024). Abnormal Oculomotor Corollary Discharge Signaling as a Trans-diagnostic Mechanism of Psychosis. *Schizophrenia Bulletin*, sbad180.
4. 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.
5. Caziot, B., Rolfs, M., & Backus, B. (2023). Orienting attention across binocular disparity. *PNAS nexus*, *2*(10), pgad314.
6. Grzeczowski, L., Shi, Z., Rolfs, M., & Deubel, H. (2023). Perceptual learning across saccades: feature- but not location-specific. *Proceedings of the National Academy of Sciences, USA*, *120*(43), e2303763120.
7. Roth, N., Rolfs, M., Hellwich, O., & Obermayer, K. (2023). Objects guide human gaze behavior in dynamic real-world scenes. *PLoS Computational Biology*, *19*(10), e1011512.
8. Heuer, A. & Rolfs, M. (2023). Temporal and spatial reference frames in visual working memory are defined by ordinal and relational properties. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *49*(9), 1361-1375.
9. Battaje, A., Brock, O., & Rolfs, M. (2023). An interactive motion perception tool for kindergarteners (and vision scientists). *i-Perception*, *14*(2), 1-16.
10. Kroell, L.M. & Rolfs, M. (2022). Foveal vision anticipates defining features of eye movement targets. *eLife*, *11*, e78106.
11. Heuer, A. & Rolfs, M. (2022). A direct comparison of attentional orienting to spatial and temporal positions in visual working memory. *Psychonomic Bulletin & Review*, *29*, 182-190.
12. Rolfs, M. & Schweitzer, R. (2022). Coupling perception to action through incidental sensory consequences of motor behavior. *Nature Reviews Psychology*, *1*, 112-123.
13. White, A.L., Moreland, J., & Rolfs, M. (2022). Oculomotor freezing indicates conscious detection free of decision bias. *Journal of Neurophysiology*, *127*(2), 571-585.
14. Yao, B., Rolfs, M., McLaughlin, C., Isenstein, E.L., Guillory, S.B., Grosman, H., Kashy, D.A., Foss-Feig, J.H., & Thakkar, K.N. (2021). Oculomotor Corollary Discharge Signaling is related to Repetitive Behavior in Children with Autism Spectrum Disorder. *Journal of Vision*, *21*(8):9, 1-20.
15. Schweitzer, R. & Rolfs, M. (2021). Intra-saccadic motion streaks jump-start gaze correction. *Science Advances*, *7*, 30:eabf2218, 1-14.
16. Shurygina, O., Pooresmaeili, A., & Rolfs, M. (2021). Pre-saccadic attention spreads to stimuli forming a perceptual group with the saccade target, *Cortex*, *140*, 179-198.
17. Kroell, L.M. & Rolfs, M. (2021). The peripheral sensitivity profile at the saccade target reshapes during saccade preparation, *Cortex*, *139*, 12-26.
18. Heuer, A. & Rolfs, M. (2021). Incidental encoding of visual information in temporal reference frames in working memory. *Cognition*, *207*:104526, 1-9.
19. Heuer, A., Ohl, S., & Rolfs, M. (2020). Memory for action: A functional view of selection in visual working memory. *Visual Cognition*, *28*(5–8), 388-400.
20. Schweitzer, R. & Rolfs, M. (2020). Intra-saccadic motion streaks as cues to linking object locations across saccades. *Journal of Vision*, *20*(4):17, 1-24.
21. Schweitzer, R. & Rolfs, M. (2020). An adaptive algorithm for fast and reliable online saccade detection. *Behavior Research Methods*, *52*, 1122-1139.

22. Ohl, S. & Rolfs, M. (2020). Bold moves: Inevitable saccadic selection in visual short-term memory. *Journal of Vision*, 20(2):11, 1-14.
23. Valsecchi, M., Cassanello, C.R., Herwig, A., Rolfs, M., & Gegenfurtner, K.R. (2020). A comparison of the temporal and spatial properties of trans-saccadic perceptual re-calibration and saccadic adaptation. *Journal of Vision*, 20(4):2, 1-15.
24. Cassanello, C.R., Ostendorf, F., & Rolfs, M. (2019). A generative learning model for saccade adaptation. *PLoS Computational Biology*, 15(8), e1006695.
25. Schweitzer, R., Watson, T.L., Watson, J., & Rolfs, M. (2019). The joy of retinal painting: A build-it-yourself device for intrasaccadic presentations. *Perception*, 48, 1020-1025.
26. Kwon, S., Rolfs, M., & Mitchell, J.F. (2019). Pre-saccadic motion integration drives a predictive post-saccadic following response. *Journal of Vision*, 19(11):12, 1-19.
27. Thakkar, K.N. & Rolfs, M. (2019). Disrupted corollary discharge in schizophrenia: evidence from the oculomotor system. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 4, 773-781.
28. Yao, B., Neggers, S.F.W., Rolfs, M., Rösler, L., Thompson, I.A., Hopman, H.J., Ghermezi, L., Kahn, R.S., & Thakkar, K.N. (2019). Structural thalamofrontal hypoconnectivity is related to oculomotor corollary discharge dysfunction in schizophrenia. *Journal of Neuroscience*, 39(11), 2102-2113.
29. Rolfs, M., Murray-Smith, N., & Carrasco, M. (2018). Perceptual learning while preparing saccades. *Vision Research*, 152, 126-138.
30. Ohl, S. & Rolfs, M. (2018). Saccadic selection of stabilized items in visuospatial working memory. *Consciousness and Cognition*, 64, 32-44.
31. van Heusden, E., Rolfs, M., Cavanagh, P., & Hogendoorn, H. (2018). Motion extrapolation for eye movements predicts perceived motion-induced position shifts. *Journal of Neuroscience*, 38, 8243-8250.
32. Balsdon, T., Schweitzer, R., Watson, T.L., & Rolfs, M. (2018). All is not lost: Post-saccadic contributions to the perceptual omission of intra-saccadic streaks. *Consciousness and Cognition*, 64, 19-31.
33. Ohl, S., Kuper, C., & Rolfs, M. (2017). Selective enhancement of orientation tuning before saccades. *Journal of Vision*, 17(13):2, 1-11.
34. Kalogeropoulou, Z., & Rolfs, M. (2017). Saccadic eye movements do not disrupt the deployment of feature-based attention. *Journal of Vision*, 17(8):4, 1-15.
35. Ohl, S., & Rolfs, M. (2017). Saccadic eye movements impose a natural bottleneck on visual short-term memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 43, 736-748.
36. Thakkar, K.N., Diwadkar, V.A., & Rolfs, M. (2017). Oculomotor prediction: a window into the psychotic mind. *Trends in Cognitive Sciences*, 21, 344-356.
37. Kalogeropoulou, Z., Jagadeesh, A.V., Ohl, S., & Rolfs, M. (2017). Setting and changing feature priorities in visual short-term memory. *Psychonomic Bulletin & Review*, 24, 453-458.
38. White, A.L. & Rolfs, M. (2016). Oculomotor inhibition covaries with conscious detection. *Journal of Neurophysiology*, 116, 1507-1521.
39. Cassanello, C.R., Ohl, S., & Rolfs, M. (2016). Saccadic adaptation to a systematically varying disturbance. *Journal of Neurophysiology*, 116, 336-350.
40. Szinte, M., Jonikaitis, D., Rolfs, M., Cavanagh, P., & Deubel, H. (2016). Presaccadic motion integration between current and future retinal locations of attended objects. *Journal of Neurophysiology*, 116, 1592-1602.
41. Rolfs, M. (2015). Attention in active vision: A perspective on perceptual continuity across saccades. (Invited keynote contribution to the Yarbus-100 Special Issue) *Perception*, 44, 900-919.
42. Rösler, L., Rolfs, M., van der Stigchel, S., Neggers, S.F.W., Cahn, W., Kahn, R.S., & Thakkar, K.N. (2015). Failure to use corollary discharge to remap visual target locations is associated with psychotic symptom severity in schizophrenia. *Journal of Neurophysiology*, 114, 1129-1136.
43. White, A.L., Rolfs, M., & Carrasco, M. (2015). Stimulus competition mediates the joint effects of spatial and feature-based attention. *Journal of Vision*, 15(14):7, 1-21.

44. Szinte, M., Carrasco, M., Cavanagh, P., & Rolfs, M. (2015). Attentional tradeoffs maintain the tracking of moving objects across saccades. *Journal of Neurophysiology*, *113*, 2220–2231.
45. Rolfs, M., Lawrence, B., & Carrasco, M. (2013). Reach preparation enhances visual performance and appearance. *Philosophical Transactions of the Royal Society B: Biological Sciences*, *368*, 20130057.
46. Rolfs, M., Dambacher, M., & Cavanagh, P. (2013). Visual adaptation of the perception of causality. *Current Biology*, *23*, 250–254.
47. White, A.L., Rolfs, M., & Carrasco, M. (2013). Adaptive deployment of spatial and feature-based attention before saccades. *Vision Research*, *85*, 26–35.
48. Jonikaitis, D., Szinte, M., Rolfs, M., & Cavanagh, P. (2013). Allocation of attention across saccades. *Journal of Neurophysiology*, *109*, 1425–1434.
49. Rolfs, M., & Carrasco, M. (2012). Rapid simultaneous enhancement of visual sensitivity and perceived contrast during saccade preparation. *Journal of Neuroscience*, *32*, 13744–13752.
50. Rolfs, M., Jonikaitis, D., Deubel, H., & Cavanagh, P. (2011). Predictive remapping of attention across eye movements. *Nature Neuroscience*, *14*, 252–256.
51. Rolfs, M., Knapen, T., & Cavanagh, P. (2010). Global saccadic adaptation. *Vision Research*, *50*, 1882–1890.
52. Knapen, T., Rolfs, M., Wexler, M., & Cavanagh, P. (2010). The reference frame of the tilt aftereffect. *Journal of Vision*, *10*(1):8, 1–13.
53. Laubrock, J., Kliegl, R., Rolfs, M., & Engbert, R. (2010). When do microsaccades follow attention? *Attention, Perception, & Psychophysics*, *72*, 683–694.
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Book chapters

1. Schweitzer, R. & Rolfs, M. (2022). Definition, modeling and detection of saccades in the face of post-saccadic oscillations. In: *Eye-tracking: background, methods and applications* (ed. S. Stuart). SpringerNature Neuromethods.

Commentaries and News & Views

1. Rolfs, M. & Hübner, C. (2024). Blink and you see it. *Proceedings of the National Academy of Sciences, USA*, *121*(16) e2404021121.
2. Rolfs, M. & Ohl, S. (2021). Moving fast and seeing slow? The perceptual consequences of vigorous movement. *Behavioral and Brain Sciences*, *44*, e131.
3. Kroell, L. M. & Rolfs, M. (2020). Book review of "van der Stigchel, S. How Attention Works", *Perception*, *49*(7), 796–797.
4. Ohl, S., & Rolfs, M. (2017). Chances and challenges for an active visual search perspective. *Behavioral and Brain Sciences*, *40*, e150.
5. Rolfs, M. (2016). Seeing causality with the motor system? *Current Biology*, *26*, R1183–R1185.
6. Rolfs, M. & Dambacher, M. (2016). What draws the line between perception and cognition? *Behavioral and Brain Sciences*, *39*, e257.
7. Rolfs, M. & Szinte, M. (2016). Remapping attention pointers: Linking physiology and behavior. *Trends in Cognitive Sciences*, *20*, 399–401.
8. Rolfs, M. & Ohl, S. (2011). NeuroForum: Visual suppression in the superior colliculus around the time of microsaccades. *Journal of Neurophysiology*, *105*, 1–3.
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Conference presentations

1. Yao, B., Rolfs, M., Slate, R., Roberts, D., Fattal, J., Achtyes, E. D., Tso, I. F., Diwadkar, V. A., Kashy, D., Bao, J., & Thakkar, K. N. (May 2024). Abnormal oculomotor corollary discharge signaling as a trans-diagnostic mechanism of psychosis. Symposium talk at the *24th Annual Meeting of the Vision Sciences Society (VSS)*, St. Pete Beach (FL), USA.
2. Grzeczowski, L., Shi, Z., Rolfs, M., & Deubel, H. (March 2024). Generalized perceptual learning with eye movements. Talk at the *4th International Symposium on Visual Physiology, Environment & Perception*, Warsaw, Poland.
3. Klanke, J.-N., Ohl, S. & Rolfs, M. (March 2024). In pursuit of saccade awareness. Talk at the *66th TeaP (Tagung experimentell arbeitender Psychologen)*, Regensburg, Germany.
4. Grzeczowski, L., Steiner, O., Gross, M., & Rolfs, M. (September 2023). Reward modulates saccadic main sequence and presaccadic attention. Poster at the *Seeing and Acting Workshop: Functional and Neural Perspectives*, Coimbra, Portugal.

5. Grzeczowski, L., Steiner, O., Gross, M., & Rolfs, M. (August 2023). Increasing saccadic vigor with reward: effects on main sequence, latency and presaccadic attention. Talk at the *45th European Conference on Visual Perception*, Paphos, Cyprus.
6. Stein, A., Grzeczowski, L. & Rolfs, M. (August 2023). Robust storage for a large variety of stimulus features across saccades, but not across peripheral-to-foveal retinal shifts during fixation. Poster at the *45th European Conference on Visual Perception*, Paphos, Cyprus.
7. Nörenberg, W., Schweitzer, R., & Rolfs, M. (August 2023). Temporal recalibration of sensorimotor contingencies of saccades can result from visual information alone. Talk at the *45th European Conference on Visual Perception*, Paphos, Cyprus.
8. Ince, M., Hübner, C., & Rolfs, M. (August 2023). High-speed motion informs object correspondence in the quartet motion paradigm. Poster at the *45th European Conference on Visual Perception*, Paphos, Cyprus.
9. Godinez, A., Battaje, A., Brock, O., & Rolfs, M. (May 2023). Probing perceptual mechanism of shape-contingent color after-images via interconnected recursive filters. Poster at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
10. Roth, N., McLaughlin, J., Obermayer, K., & Rolfs, M. (May 2023). Looking for potential action: Differences in exploration behavior of static and (potentially) dynamic scenes. Poster at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
11. Grzeczowski, L., Stein, A. & Rolfs, M. (May 2023). Robust and saccade-specific feature blanking effect for a wide range of spatial frequencies, sizes and eccentricities. Poster at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
12. Hübner, C., & Rolfs, M. (May 2023). Is trans-retinal integration exclusive to saccades? Poster at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
13. Steiner, O., Grzeczowski, L., Gross, M., & Rolfs, M. (May 2023). Influence of reward on saccadic vigor and pre-saccadic attention. Poster at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
14. Kroell, L.M., & Rolfs, M. (May 2023). Motion signals at the target of saccadic eye movements modulate presaccadic foveal perception and drive predictive gaze responses. Talk at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
15. Kroell, L.M., & Rolfs, M. (May 2023). Foveal vision anticipates defining features of eye movement targets: converging evidence from human psychophysics. Symposium talk at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
16. Ohl, S., & Rolfs, M. (May 2023). Feature-selective mechanisms that underlie the perception of causality. Poster at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
17. Klanke, J.-N., Ohl, S., & Rolfs, M. (May 2023). Different levels of awareness for spontaneous, involuntary, and voluntary microsaccades. Poster at the *23rd Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
18. Kuper, C. & Rolfs, M. (April 2023). Salient events at movement target locations inhibit rapid sequential hand movements - even if they are task-irrelevant. Poster at the *2023 Meeting of the Society for the Neural Control of Movement (NCM)*, Victoria, Canada.
19. Shurygina, O. & Rolfs, M. (August 2022). Saccade kinematics reflect object-based attention in realistic but not in simplified stimuli. Poster at the *44th European Conference on Visual Perception*, Nijmegen, Netherlands.
20. Grzeczowski, L., Stein, A. & Rolfs, M. (August 2022). Robust feature blanking effect for a wide range of spatial frequencies. Talk at the *44th European Conference on Visual Perception*, Nijmegen, Netherlands.
21. Wirth, L., Shurygina, O., Rolfs, M., & Ohl, S. (August 2022). Target-location rather than target-object specific saccadic selection in visual working memory. Poster at the *44th European Conference on Visual Perception*, Nijmegen, Netherlands.
22. Muscinelli, F.M., Roth, N., Shurygina, O., Obermayer, K., & Rolfs, M. (August 2022). Object-based spread of attention affects fixation duration during free viewing. Poster at the *44th European Conference on Visual Perception*, Nijmegen, Netherlands.

23. Kuper, C. & Rolfs, M. (July 2022). Behaviorally relevant, but not any salient events, inhibit rapid hand movements. Talk at the *2022 Meeting of the Society for the Neural Control of Movement (NCM)*, Dublin, Ireland.
24. Rolfs, M., Schweitzer, R., & Ohl, S. (May 2022). Investigating incidental sensory consequences of eye movements to understand perception. Talk at the *32nd CVS Symposium on Active Vision*, Rochester (NY), USA.
25. Hübner, C. & Rolfs, M. (May 2022). No effect of saccade-like visual motion on integration and segregation of peripheral and foveal information during fixation. Poster at the *32nd CVS Symposium on Active Vision*, Rochester (NY), USA.
26. Kroell, L.M. & Rolfs, M. (May 2022). Foveal vision anticipates defining features of eye movement targets. Poster at the *32nd CVS Symposium on Active Vision*, Rochester (NY), USA.
27. Schweitzer, R., Doering, M. & Rolfs, M. (May 2022). Subjective appearance of natural motion smear during saccades. Poster at the *32nd CVS Symposium on Active Vision*, Rochester (NY), USA.
28. Grzeczowski, L. & Rolfs, M. (May 2022). Stimulus blanking improves orientation discrimination of foveal and peripheral stimuli. Talk at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
29. Heuer, A. & Rolfs, M. (May 2022). Predictable object motion is extrapolated to support visual working memory for surface features. Poster at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
30. Ince, M. & Rolfs, M. (May 2022). Object motion at saccadic speeds biases the ambiguous motion quartet. Poster at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
31. Klanke, J.-N. & Rolfs, M. (May 2022). Seeing the unconscious? Limited awareness for involuntary microsaccades. Talk at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
32. Kroell, L. & Rolfs, M. (May 2022). Foveal prediction of saccade target features alters visual resolution in the center of gaze. Poster at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
33. Nörenberg, W., Schweitzer, R. & Rolfs, M. (May 2022). Rapid learning of systematic sensory delays around saccades. Poster at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
34. Schweitzer, R., Watson, T., Balsdon, T. & Rolfs, M. (May 2022). The sources of peri-saccadic mislocalization: Evidence from the perception of intra-saccadic motion streaks. Poster at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
35. Shurygina, O. & Rolfs, M. (May 2022). Eye movement characteristics reflect object-based attention. Talk at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
36. Roth, N., Rolfs, M., & Obermayer, K. (May 2022). Scanpath prediction in dynamic real-world scenes based on object-based selection. Talk at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
37. Balestrieri, E., Schweitzer, R., Kroell, L., Rolfs, M., & Busch, N. (May 2022). Spontaneous alpha-band oscillations modulate stimulus-specific features representation. Poster at the *22th Annual Meeting of the Vision Sciences Society (VSS)*, St. Petersburg (FL), USA.
38. Roth, N., Rolfs, M., & Obermayer, K. (May 2022). ScanDy: Simulating realistic human scanpaths in dynamic real-world scenes. Talk at the *MODVIS 2022: Computational and Mathematical Models in Vision*, St. Petersburg (FL), USA.
39. Rolfs, M., Schweitzer, R., & Ohl, S. (May 2021). Lawful kinematics of saccades predict the limits of high-speed motion perception. Poster at the *21th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.
40. Heuer, A. & Rolfs, M. (May 2021). Metrical properties of spatial and temporal reference frames in visual working memory. Poster at the *21th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.
41. Klanke, J.-N., Ohl, S. & Rolfs, M. (May 2021). Perceived timing of stimuli briefly stabilized on the retina during microsaccades. Poster at the *21th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.
42. Kroell, L. M. & Rolfs, M. (May 2021). Predictive enhancement of saccade target features in the pre-saccadic center of gaze. Talk at the *21th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.
43. Kuper, C. & Rolfs, M. (May 2021). Go-/ no-go decisions based on gradually revealed visual information. Poster at the *21th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.
44. Ohl, S. & Rolfs, M. (May 2021). Causality detection in the visual system is tuned to motion direction. Poster at the *21th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.

45. Shurygina, O. & Rolfs, M. (May 2021). Visual sensitivity and reaction time measures show no evidence for purely exogenous object-based attention. Poster at the *21th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.
46. Doering, M., Rolfs, M., & Schweitzer, R. (May 2021). Masking the smeared perception of natural scenes tachistoscopically presented during saccades: A follow-up on Campbell & Wurtz (1978). Poster at the *21th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.
47. Yao, B., Rolfs, M., Slate, R., Fragoso, D., Achtyes, E. D., Tso, I. F., Diwadkar, V. A., Kashy, D. A., & Thakkar, K. N. (April 2021). Oculomotor corollary discharge abnormalities: A trans-diagnostic marker of psychosis? Talk at the *Schizophrenia International Research Society*, Virtual Conference.
48. Kroell, L. M. & Rolfs, M. (June 2020). The peripheral sensitivity profile reshapes during saccade preparation. Poster at the *20th Annual Meeting of the Vision Sciences Society (VSS)*, Virtual Conference.
49. Yao, B., Slate, R., Rolfs, M., Achtyes, E., Tso, I. F., Diwadkar, V., Kashy, D., & Thakkar, K. N. (September 2019). Diagnostic specificity of oculomotor corollary discharge abnormalities in schizophrenia. Poster at the *33rd Annual Meeting of the Society for Research in Psychopathology (SRP)*, Buffalo, NY.
50. Cassanello, C.R., Ostendorf, F., & Rolfs, M. (August, 2019). Differences in learning between global and vector-specific saccadic adaptation. Talk at the *20th European Conference on Eye Movements*, Alicante, Spain.
51. Klanke, J.-N., Ohl, S., & Rolfs, M. (August, 2019). Rendering the invisible visible during microsaccades. Poster at the *20th European Conference on Eye Movements*, Alicante, Spain.
52. Schweitzer, R., & Rolfs, M. (August, 2019). Formation of world-centered perception of intra-saccadic motion streaks. Poster at the *20th European Conference on Eye Movements*, Alicante, Spain.
53. Shurygina, O., & Rolfs, M. (July, 2019). Spread of attention towards stimuli grouped with a saccade target. Poster at the *Symposium on Cognitive and Motor Processes in Spatial Attention*, Durham, UK.
54. Heuer, A., & Rolfs, M. (May, 2019). Representing the spatiotemporal structure of visual events: Spatial and temporal frames of reference in working memory. Poster at the *19th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
55. Ohl, S., & Rolfs, M. (May, 2019). Time-dependent saccadic selection in analogue and categorical visual short-term memory tasks. Poster at the *19th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
56. Schweitzer, R., & Rolfs, M. (May, 2019). Rapid and robust online saccade detection. Poster at the *19th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
57. Shurygina, O., & Rolfs, M. (May, 2019). Reflexive pre-saccadic selection of stimuli perceptually grouped with saccade targets. Talk at the *19th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
58. Kwon, S., Rolfs, M., & Mitchel, J. (May, 2019). Pre-saccadic attention to motion initiates predictive ocular following. Poster at the *19th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
59. Yao, B., McLaughlin, C., Isenstein, E. L., Grosman, H., Guillory, S. B., Layton, C. F., Falade, I., Rolfs, M., Foss-Feig, J. H., & Thakkar, K. N. (May 2019). Clinical correlates of corollary discharge signaling in children with autism spectrum disorder. Poster at the *2019 International Society for Autism Research Annual Meeting (INSAR)*, Montreal, Canada.
60. Keweloh, B., Ohl, S. & Rolfs, M. (August, 2018). From icons to categories: The format of visual memory representations is task dependent. Poster at the *41st European Conference on Visual Perception*, Trieste, Italy.
61. Suárez, P., White, A.L. & Rolfs, M. (August, 2018). Eye movements as predictors of visual detection. Poster at the *41st European Conference on Visual Perception*, Trieste, Italy.
62. Valsecchi, M., Cassanello, C., Herwig, A., Rolfs, M., & Gegenfurtner, K. (August, 2018). Trans-saccadic learning rapidly recalibrates peripheral size perception. Talk at the *41st European Conference on Visual Perception*, Trieste, Italy.
63. Kwon, S., & Rolfs, M., Mitchel, J. (May, 2018). Pre-saccadic motion integration drives pursuit for saccades to motion apertures. Poster at the *18th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
64. Schweitzer, R., Watson, T., Balsdon, T., & Rolfs, M. (May, 2018). From retinal to world-centered perception of intra-saccadic motion streaks: Evidence for high-fidelity eye position information during saccades. Poster at the *18th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.

65. Schweitzer, R. & Rolfs, M. (March, 2018). Localization of objects across saccades based on intra-saccadic motion streaks. Talk at the *60th TeaP (Tagung experimentell arbeitender Psychologen)*, Marburg, Germany.
66. Thakkar, K., Rolfs, M., Brascamp, J., Rösler, L., Schall, J., & Park, S. (September, 2017). Visuomotor prediction abnormalities in the schizophrenia spectrum. Talk at the *31st Annual Meeting of the Society for Research in Psychopathology*, Denver (CO), USA.
67. Yao, B., Rösler, L., Rolfs, M., Neggers, S.F.W., & Thakkar, K. (September, 2017). Neural underpinning of altered corollary discharge in schizophrenia. Poster at the *31st Annual Meeting of the Society for Research in Psychopathology*, Denver (CO), USA.
68. Ohl, S. & Rolfs, M. (August, 2017). Multiple saccades enhance spatial specificity of resource allocation in visual short-term memory. Poster at the *40th European Conference on Visual Perception*, Berlin, Germany.
69. Schweitzer, R. & Rolfs, M. (August, 2017). Intra-saccadic large-field motion modulates the perception of trans-saccadic apparent motion. Poster at the *40th European Conference on Visual Perception*, Berlin, Germany.
70. Kuper, C., Ohl, S., & Rolfs, M. (August, 2017). Perceptual orientation tuning before saccades. Poster at the *40th European Conference on Visual Perception*, Berlin, Germany.
71. Valsecchi, M., Cassanello, C.R., Herwig, A., Rolfs, M., & Gegenfurtner, K.R. (August, 2017). Exploring the temporal dynamics of trans-saccadic perceptual re-calibration. Talk at the *19th European Conference on Eye Movements*, Wuppertal, Germany.
72. Rolfs, M., Ohl, S., Schweitzer, R., Castet, E., & Watson, T. (May, 2017). Object motion thresholds are amplitude-contingent and tuned to specifically eliminate retinal motion produced by saccades. Talk at the *17th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
73. Schweitzer, R. & Rolfs, M. (May, 2017). Intra-saccadic motion streaks as a cue to the localization of objects across eye movements. Talk at the *17th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
74. Cassanello, C.R., Ostendorf, F., & Rolfs, M. (May, 2017). State-equation learning model for saccade adaptation. Poster at the *17th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
75. Watson, T., Schweitzer, R., Castet, E., Ohl, S., & Rolfs, M. (May, 2017). Object motion thresholds are amplitude-contingent and tuned to specifically eliminate retinal motion produced by saccades. Talk at the *17th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
76. Kalogeropoulou, Z. & Rolfs, M. (March, 2017). Mechanisms of feature-based attention in visual short-term memory. Poster at the *59th TeaP (Tagung experimentell arbeitender Psychologen)*, Dresden, Germany.
77. Ohl, S. & Rolfs, M. (March, 2017). Saccades impose priorities on visual short-term memory independently of memory load. Talk at the *59th TeaP (Tagung experimentell arbeitender Psychologen)*, Dresden, Germany.
78. Cassanello, C.R., Ostendorf, F., Collins, T., & Rolfs, M. (March, 2017). State equation description of sensorimotor learning underlying saccadic adaptation. Poster at the *59th TeaP (Tagung experimentell arbeitender Psychologen)*, Dresden, Germany.
79. Kuper, C., Ohl, S., & Rolfs, M. (September, 2016). Perceptual orientation tuning before saccades. Poster at the *Bernstein Conference 2016*, Berlin, Germany.
80. Ohl, S. & Rolfs, M. (May, 2016). Saccades inevitably protect visual memory traces. Poster at the *16th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
81. Cassanello, C.R., Ostendorf, F., & Rolfs, M. (May, 2016). Oculomotor entraining and persistent baseline drift in saccadic adaptation to a sinusoidal disturbance. Talk at the *16th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
82. Kalogeropoulou, Z., Jagadeesh, A.V., Ohl, S. & Rolfs, M. (May, 2016). Shifting feature-based attention in visual short-term memory. Poster at the *16th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
83. Wolf, K. & Rolfs, M. (March, 2016). The illusion of life: Parameters, measures, and effects of perceptual animacy. Poster at the *Mind, Brain & Body Symposium*, Berlin, Germany.
84. Ohl, S. & Rolfs, M. (October, 2015). Saccades inadvertently determine the content of visual short-term memory. Poster at the *Bernstein Sparks Workshop on Active Perceptual Memory*, Berlin, Germany.

85. Kalogeropoulou, Z., Ohl, S. & Rolfs, M. (October, 2015). Changing priorities in visual short-term memory. Poster at the *Bernstein Sparks Workshop on Active Perceptual Memory*, Berlin, Germany.
86. Rösler, L., Rolfs, M., van der Stigchel, S., Neggers, S.F.W., Cahn, W., Kahn, R.S., & Thakkar, K.N. (September, 2015). Failure to use corollary discharge to remap visual target locations is associated with psychotic symptom severity in schizophrenia. Poster at the *5th European Conference on Schizophrenia Research*, Berlin, Germany.
87. Rolfs, M., Cassanello, C.R., Harwood, M., & Collins, T. (August, 2015). Subthreshold post-saccadic errors decelerate oculomotor learning. Talk at the *38th European Conference on Visual Perception*, Liverpool, UK.
88. Ohl, S. & Rolfs, M. (August, 2015). Saccadic influences on vision beyond early stages of sensory encoding. Talk at the *18th European Conference on Eye Movements*, Vienna, Austria.
89. Cassanello, C., Ohl, S., & Rolfs, M. (May, 2015). Global saccadic plasticity induced by a periodic disturbance of visual feedback. Poster at the *NeuroCog 2015*, Buenos Aires, Argentina.
90. White, A.L. & Rolfs, M. (May, 2015). A common detection mechanism for perception and oculomotor control. Poster at the *15th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
91. Cassanello, C., Ohl, S., & Rolfs, M. (April, 2015). Global saccadic plasticity induced by a periodic disturbance of visual feedback. Poster at the *Workshop Internacional Programa RAICES*, Buenos Aires, Argentina.
92. Ohl, S. & Rolfs, M. (March, 2015). Separating influences of sensory stimulation and memory load in a visual short-term memory task. Talk at the *57th TeaP (Tagung experimentell arbeitender Psychologen)*, Hildesheim, Germany.
93. Rolfs, M. (September, 2014). Attention in active vision, then and now. Keynote lecture at the *International Symposium on the Role of Eye Movements in Vision — Yabus-100*, Nizhny Novgorod, Russia.
94. Rolfs, M. & Castet, E. (August, 2014). Reduced perisaccadic sensitivity to both luminance and chromatic contrast. Poster at the *37th European Conference on Visual Perception*, Belgrade, Serbia.
95. White, A.L., Ohl, S., & Rolfs, M. (August, 2014). A direct comparison of perceptual and oculomotor contrast sensitivity. Talk at the *37th European Conference on Visual Perception*, Belgrade, Serbia.
96. Kalogeropoulou, Z., Ohl, S., & Rolfs, M. (August, 2014). Tuning in: How attention to motion direction shapes visual sensitivity across time. Poster at the *37th European Conference on Visual Perception*, Belgrade, Serbia.
97. Rolfs, M. (June, 2014). Attentive processes in active vision and cognition. Welcome-to-Berlin lecture at the *Berlin Neuroscience Forum*, Liebenwalde, Germany.
98. Rolfs, M. & Ohl, S. (May, 2014). Moved here and forgot there: Saccades deteriorate visual short-term memory for non-target locations. Poster at the *14th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
99. Cassanello, C., Ohl, S., & Rolfs, M. (May, 2014). Saccadic plasticity induced by a periodic disturbance of visual feedback. Poster at the *14th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
100. White, A.L., Rolfs, M., & Carrasco, M. (May, 2014). Stimulus competition modulates the joint effects of spatial and feature-based attention on visual sensitivity. Talk at the *14th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
101. Szinte, M., Jonikaitis, D., Rolfs, M., Cavanagh, P., & Deubel, H. (May, 2014). Pre-saccadic motion integration between current and remapped locations. Talk at the *14th Annual Meeting of the Vision Sciences Society*, St. Petersburg (FL), USA.
102. Cassanello, C., Ohl, S., & Rolfs, M. (April, 2014). Saccadic adaptation following a periodic disturbance of visual feedback. Talk at the *56th TeaP (Tagung experimentell arbeitender Psychologen)*, Gießen, Germany.
103. Ohl, S. & Rolfs, M. (April, 2014). Saccades deteriorate visual short term memory for non-target locations. Talk at the *56th TeaP (Tagung experimentell arbeitender Psychologen)*, Gießen, Germany.
104. Rolfs, M. & Ohl, S. (March, 2014). Saccades determine the fate of fragile content in visual memory. Poster at the *Closing Conference of the ZiF Research Group Competition and Priority Control in Mind and Brain*, Bielefeld, Germany.
105. Rolfs, M., Murray-Smith, N., & Carrasco, M. (August, 2013). Perceptual learning through remapping: How presaccadic updating affects visual processing. Talk at the *36th European Conference on Visual Perception*, Bremen, Germany.

106. Szinte, M., Jonikaitis, D., Rolfs, M., Cavanagh, P., & Deubel, H. (October, 2013). Pre-saccadic spatiotemporal motion integration. Poster at the *Rovereto Attention Workshop: Attention and Motor Control*, Rovereto, Italy.
107. Caziot, B., Rolfs, M., & Backus, B. (August, 2013). The orienting of attention across binocular disparity. Talk at the *36th European Conference on Visual Perception*, Bremen, Germany.
108. Szinte, M., Rolfs, M., Carrasco, M., & Cavanagh, P. (May, 2013). Remapping of attentionally tracked locations. Talk at the *13th Annual Meeting of the Vision Sciences Society*, Naples (FL), USA.
109. Carrasco, M., Rolfs, M., & Murray-Smith, N. (December, 2012). Perceptual learning transfers to the location of predictive remapping. Talk at the *Perceptual Learning Workshop 2012*, Japan.
110. White, A.L., Rolfs, M., & Carrasco, M. (October, 2012). The dynamics of spatial and feature-based attention during saccade preparation. Talk at *Neuroscience 2012*, New Orleans, USA.
111. Rolfs, M. (October, 2012). Perceptual benefits of predictive remapping. Talk at the *Opening Conference of the Zif Research Group Competition and Priority Control in Mind and Brain*, Bielefeld, Germany.
112. Rolfs, M., Murray-Smith, N., & Carrasco, M. (September, 2012). Perceptual learning at the location of predictive remapping. Talk at the *35th European Conference on Visual Perception*, Alghero, Italy.
113. Rolfs, M., Lawrence, B., & Carrasco, M. (May, 2012). Changes in visual performance and appearance before manual reach movements. Poster at the *12th Annual Meeting of the Vision Sciences Society*, Naples (FL), USA.
114. Szinte, M., Jonikaitis, D., Rolfs, M., & Cavanagh, P. (May, 2012). Allocation of attention across saccades. Talk at the *12th Annual Meeting of the Vision Sciences Society*, Naples (FL), USA.
115. White, A.L., Rolfs, M., & Carrasco, M. (August, 2011). Pre-saccadic attention for motion stimuli. Poster at the *33rd European Conference on Visual Perception*, Toulouse, France.
116. Rolfs, M. & Carrasco, M. (August, 2011). Perceptual consequences of presaccadic attention shifts. Talk at the *16th European Conference on Eye Movements*, Marseille, France.
117. Tandonnet, C., Rolfs, M., & Vitu, F. (August, 2011). Influence of temporal target expectation on saccade initiation. Talk at the *16th European Conference on Eye Movements*, Marseille, France.
118. Rolfs, M. & Carrasco, M. (May, 2011). Saccades gradually increase the perceived contrast of their targets. Talk at the *11th Annual Meeting of the Vision Sciences Society*, Naples (FL), USA.
119. Dambacher, M., Rolfs, M. & Cavanagh, P. (May, 2011). Visual adaptation of causality. Poster at the *11th Annual Meeting of the Vision Sciences Society*, Naples (FL), USA.
120. Rolfs, M. (March, 2011). Functional correlates of predictive remapping. Talk at the *53rd TeaP (Tagung experimentell arbeitender Psychologen)*, Halle, Germany.
121. Rolfs, M. & Carrasco, M. (February, 2011). Dynamics of performance & perceived contrast at the targets of saccades. Talk at the *CPS / CAPnet Winter Meeting 2011*, Sainte-Adlé, Canada.
122. Rolfs, M., Jonikaitis, D., Deubel, H., & Cavanagh, P. (August, 2010). Behavioural evidence for the remapping of saccade target locations. Talk at the *33rd European Conference on Visual Perception*, Lausanne, Switzerland.
123. Rolfs, M., Jonikaitis, D., Deubel, H., & Cavanagh, P. (May, 2010). Predictive Updating Of Attention To Saccade Targets. Talk at the *10th Annual Meeting of the Vision Sciences Society*, Naples (FL), USA.
124. Rolfs, M., Collins, T., Deubel, H., & Cavanagh, P. (August, 2009). Accurate remapping of saccade targets to non-foveal locations. Talk at the *32nd European Conference on Visual Perception*, Regensburg, Germany.
125. Knapen, T., Rolfs, M., Wexler, M., & Cavanagh, P. (August, 2009). Orientation and motion aftereffects are in retinotopic not world coordinates. Poster at the *32nd European Conference on Visual Perception*, Regensburg, Germany.
126. Rolfs, M., Knapen, T., & Cavanagh, P. (May, 2009). Shrinking the oculomotor world using global saccadic adaptation. Talk at the *9th Annual Meeting of the Vision Sciences Society*, Naples (FL), USA.
127. Knapen, T., Rolfs, M., & Cavanagh, P. (May, 2009). The coordinate system of the motion aftereffect is retinotopic. Talk at the *9th Annual Meeting of the Vision Sciences Society*, Naples (FL), USA.
128. Kliegl, R., Rolfs, M., Laubrock, J., & Engbert, R. (November, 2008). When microsaccades follow spatial attention. Talk at the *49th Annual Meeting of the Psychonomic Society*, Chicago, USA.

129. Rolfs, M., Knapen, T., & Cavanagh, P. (October, 2008). The coordinate system of the motion aftereffect. Poster at the *Rovereto Attention Workshop: Attention and Motor Control*, Rovereto, Italy.
130. Rolfs, M. & Vitu, F. (August, 2008). Differential effects of target onset and target uncertainty on saccade latency distributions in the gap and overlap tasks. Talk at the *31st European Conference on Visual Perception*, Utrecht, Netherlands.
131. Kinder, A., Rolfs, M. (March, 2008). Implizites Lernen von Positionssequenzen. Talk at the *50th TeaP (Tagung experimentell arbeitender Psychologen)*, Marburg, Germany.
132. Rolfs, M. & Vitu, F. (August, 2007). Spatial predictability decreases the impact of target onset in the gap task. Talk at the *30th European Conference on Visual Perception*, Arezzo, Italy.
133. Rolfs, M. (August, 2007). In-between fixation and movement: Towards a common-field model of microsaccade and saccade generation. Talk at the *14th European Conference on Eye Movements*, Potsdam, Germany.
134. Kliegl, R., Rolfs, M., Laubrock, J., & Engbert, R. (March, 2007). The functional role of microsaccades for attention: Evidence from RTs. Talk at the *2nd Munich Visual Search Symposium*, Ammersee, Germany.
135. Laubrock, J., Engbert, R., Rolfs, M., & Kliegl, R. (March, 2007). Microsaccades as a measure of spatial attention shifts: A current controversy. Talk at the *49th TeaP (Tagung experimentell arbeitender Psychologen)*, Trier, Germany.
136. Rolfs, M. & Vitu, F. (August, 2006). On the limited role of target onset in the gap task: Support for the motor-preparation account. Talk at the *29th European Conference on Visual Perception*, St. Petersburg, Russia.
137. Rolfs, M., Engbert, R., & Kliegl, R. (April, 2006). Micro-saccadic inhibition. Talk at the *48. TeaP (Tagung experimentell arbeitender Psychologen)*, Mainz, Germany.
138. Kinder, A., Rolfs, M., & Kliegl, R. (April, 2006). Wie veraendern sich Blickbewegungen durch Sequenzlernen? Eine neue Variante der seriellen Reaktionszeitaufgabe. Talk at the *48th TeaP (Tagung experimentell arbeitender Psychologen)*, Mainz, Germany.
139. Rolfs, M., Laubrock, J., & Kliegl, R. (August, 2005). Shortening and Prolongation of Saccade Latencies Following Microsaccades. Poster at the *13th European Conference on Eye Movements*, Bern, Switzerland.
140. Rolfs, M., Engbert, R., & Kliegl, R. (August, 2004). Perception and motor control: The link between fixational eye movements and postural sway. Poster at the *27th European Conference on Visual Perception*, Budapest, Hungary.
141. Rolfs, M., Engbert, R., & Kliegl, R. (June, 2004). Microsaccades as a mirror of visual and auditory attention. Poster at the *5th Annual Meeting of the International Multisensory Research Forum*, Barcelona, Spain.
142. Rolfs, M., Engbert, R., & Kliegl, R. (April, 2004). Mikrosakkaden als Fenster in die Prozesse verdeckter Aufmerksamkeit. Talk at the *46th TeaP (Tagung experimentell arbeitender Psychologen)*, Gießen, Germany.
143. Rolfs, M., Engbert, R., & Kliegl, R. (April, 2003). Microsaccades correlate with audiovisual shifts of attention. Poster at the *EuroConference on Computational Mechanisms for the Generation and Perception of Action in 3D Space*, Aquafredda di Maratea, Italy.
144. Rolfs, M., Engbert, R., & Kliegl, R. (March, 2003). Modulation von Mikrosakkadenstatistiken bei cross-modalem Cuing. Poster at the *45th TeaP (Tagung experimentell arbeitender Psychologen)*, Kiel, Germany.
145. Rolfs, M., Engbert, R., & Kliegl, R. (September, 2002). Modulation of microsaccade statistics in a cross-modal attentional cuing experiment. Poster at the *43. Kongress der Deutschen Gesellschaft fuer Psychologie*, Berlin, Germany.
146. Rolfs, M., Engbert, R., & Kliegl, R. (September, 2002). Modulation of microsaccade statistics in a cross-modal attentional cuing experiment. Poster at the *EuroConference and EBBS workshop on Cognitive and Neural Bases of Visuomotor control*, La Londe, France.

Invited talks

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| 06.24 | Physikalisches Kolloquium, Department of Physics, TU Chemnitz (DE)
by invitation from Prof. Wolfgang Einhäuser-Treyer |
| 12.23 | Department of Psychology, University of Bielefeld (DE)
by invitation from Prof. Werner X. Schneider |
| 12.23 | Cybernetics Seminar at Max Planck Institute for Biological Cybernetics, Tübingen (DE)
by invitation from Prof. Zhaoping Li |
| 12.23 | Institute of Sport Science, Friedrich Schiller University Jena (DE)
by invitation from Prof. Rouwen Cañal Bruland |

- 02.23 **Departments of Neurology, Neuroscience, Ophthalmology, Johns Hopkins University,** Baltimore, MD (US)
by invitation from David S. Zee, MD
- 11.22 **Department of Psychology, Northeastern University,** Boston, MA (US)
by invitation from Prof. MiYoung Kwon
- 10.22 **Center for Vision Research, York University Toronto,** ON (US)
by invitation from Prof. Patrick Cavanagh
- 09.22 **Department of Psychological and Brain Sciences, Dartmouth College,** Hanover, NH (US)
by invitation from Prof. Viola Störmer
- 09.22 **Department of Experimental Psychology, University of Groningen** (NL)
by invitation from Prof. Sebastiaan Mathôt
- 05.22 **Symposium on Active Vision at the University of Rochester,** NY (US)
by invitation from Dr. Michele Rucci & Dr. Martina Poletti & Dr. Jude Mitchell
- 04.22 **Department of Psychology, Paris Lodron Universität Salzburg** (AUT)
by invitation from Prof. Tobias Heed
- 02.22 **Department of Psychology, Birkbeck, University at London** (UK)
by invitation from Prof. Richard Cook
- 11.21 **Department of Psychology, Vrije University of Amsterdam** (NL)
by invitation from Prof. Freek van Ede
- 07.21 **Colloquium of the Wilhelm-Wundt-Society** (DE)
by invitation from Prof. Rolf Ulrich and Prof. Barbara Kaup, Inaugural lecture
- 03.21 **Workshop Intelligence and Abilities, Science of Intelligence & Human Abilities** (DE)
by invitation from Dr. Dimitri Coelho Mollo and Dr. Sanja Dembić
- 07.20 **Department of Psychology, Justus-Liebig-University of Gießen** (DE)
by invitation from Prof. Karl Gegenfurtner
- 02.20 **Max Planck Institute for Human Development,** Berlin (DE)
by invitation from Dr. Thorsten Pachur and Prof. Ralph Hertwig
- 12.19 **Department of Psychology, University of Bielefeld** (DE)
by invitation from Prof. Tobias Heed
- 10.19 **Nikon lecture at the School of Optometry at the University of Montreal** (CAN)
by invitation from Prof. Aarlenne Khan
- 10.19 **Centre for Neuroscience Studies at Queen's University in Kingston, ON** (CAN)
by invitation from the CNS Seminar Committee (lead by Dr. Doug Munoz)
- 08.19 **Keynote at the 20th European Conference on Eye Movements,** Alicante (ES)
by invitation from the ECEM 2019 Organizing Committee
- 07.19 **Symposium on Cognitive and Motor Processes in Spatial Attention,** Durham (UK)
by invitation from Dr. Dan Smith
- 07.19 **Symposium "Formal models of cognitive complexity" at the University of Potsdam** (DE)
by invitation from Prof. Reinhold Kliegl
- 06.19 **Academy Colloquium of the Royal Netherlands Academy of Arts & Sciences (KNAW)** (NL)
by invitation from Prof. Chris Olivers and Prof. Stefan van der Stigchel
- 04.19 **Department of Psychology, Julius-Maximilians-Universität Würzburg** (DE)
by invitation from Prof. Anne Böckler-Raettig
- 01.19 **Seminar of the Department of Neurobiology, Universität Tübingen** (DE)
by invitation from Dr. Gregor Hardieß und Prof. Hanspeter A. Mallot
- 12.18 **Otto Creutzfeldt Center, Westfälische Wilhelms-Universität Münster** (DE)
by invitation from Prof. Niko Busch
- 11.18 **Institute of Cognitive Science, University of Osnabrück** (DE)
by invitation from the Institute of Cognitive Science
- 10.18 **Keynote at 'Jugend präsentiert' Bundeskongress 'Visuelles Wissen', Berlin** (DE)
by invitation from the Berlin-Brandenburg Academy of Sciences
- 07.18 **Center for Cognitive Neuroscience, Freie Universität Berlin** (DE)
by invitation from Dr. Timo Torsten Schmidt

- 06.18 **International Neuropsychology Symposium, Cassis (FR)**
by invitation from Prof. Hans-Otto Karnath
- 02.18 **Bristol Vision Institute, Bristol (UK)**
by invitation from Dr. Casimir Ludwig
- 02.18 **Leopoldina Symposium on 'Stability and Change', Berlin (DE)**
by invitation from Prof. Bernhard Hommel
- 11.17 **Leopoldina-INSA Symposium 'The Challenge to Learn', Hyderabad (IN)**
by invitation from the Deutsche Akademie der Naturforscher Leopoldina
- 08.17 **Post-ICON Symposium, Vrije University of Amsterdam (NE)**
by invitation from Prof. Tomas Knapen & Dr. Sara Jahfari
- 04.17 **Helmholtz lecture at Helmholtz Institute, Utrecht University (NE)**
by invitation from Prof. Nathan van der Stoep & Prof. Stefan van der Stigchel
- 02.17 **School of Psychology, University of New South Wales, Sydney (AU)**
by invitation from Prof. Colin Clifford
- 02.17 **Keynote at CPCN workshop of University of Queensland, North Stradbroke Island (AU)**
by invitation from Prof. Derek Arnold
- 02.17 **MARCS Institute for Brain, Behaviour and Development, Western Sydney University (AU)**
by invitation from Dr. Tamara Watson
- 10.16 **Symposium at OSA Fall Vision Meeting, University of Rochester, NY (US)**
by invitation from Prof. Dujie Tadin
- 10.16 **Department of Psychology & Center for Neural Science, New York University, NY (US)**
by invitation from Prof. Marisa Carrasco
- 06.16 **Berlin School of Mind & Brain Retreat, Humboldt-Universität zu Berlin (DE)**
by invitation from Graduate Students
- 04.16 **Perceptual User Interfaces Group, Max Planck Institute for Informatics, Saarbrücken (DE)**
by invitation from Dr. Andreas Bulling
- 04.16 **Laboratoire Psychologie de la Perception, Université Paris Descartes – CNRS (FR)**
by invitation from Prof. Thérèse Collins
- 03.16 **Laboratoire Psychologie de la Perception, Université Paris Descartes – CNRS (FR)**
by invitation from Dr. Andrei Gorea
- 01.16 **Department of Psychological & Brain Sciences, Boston University, MA (US)**
by invitation from Prof. Chantal Stern
- 01.16 **Department of Psychology, UC San Diego, CA (US)**
by invitation from Prof. John Serences
- 01.16 **Department of Psychological and Brain Sciences, UC Santa Barbara, CA (US)**
by invitation from Prof. Miguel Eckstein
- 06.15 **International Graduate School "The brain in action", University of Gießen (DE)**
by invitation from Prof. Katja Fiehler
- 05.15 **Department of Psychology & Center for Neural Science, New York University, NY (US)**
by invitation from Prof. Marisa Carrasco
- 03.15 **U4 Workshop Extra-retinal influences on vision, University of Göttingen (DE)**
by invitation from Prof. Annekathrin Schacht & Prof. Gilles Pourtois
- 09.14 **Keynote at the Yarbus-100 meeting, Russian Academy of Sciences, Nizhny Novgorod (RU)**
by invitation from the Yarbus-100 Organizing Committee
- 07.14 **Laboratoire Psychologie de la Perception, Université Paris Descartes – CNRS (FR)**
by invitation from Prof. Patrick Cavanagh
- 07.14 **Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig (DE)**
by invitation from Prof. Arno Villringer
- 06.14 **Brain Mind Institute, École polytechnique fédérale de Lausanne (CH)**
by invitation from Prof. Michael Herzog
- 01.14 **Courant Research Center Text structures, Georg-August-University Göttingen (DE)**
by invitation from Prof. Annekathrin Schacht
- 12.12 **Bernstein Center for Computational Neuroscience, Humboldt-Universität zu Berlin (DE)**
by invitation from Prof. Klaus Obermayer, Inaugural lecture

- 12.12 **Department of Psychology, Humboldt-Universität zu Berlin (DE)**
by invitation from Prof. Hartmut Wandke, Inaugural lecture
- 10.12 **ZiF Research Group Competition and Priority Control in Mind and Brain, Bielefeld (DE)**
by invitation from Prof. Werner X. Schneider
- 06.12 **Department of Psychology, University of Bielefeld (DE)**
by invitation from Prof. Werner X. Schneider
- 04.12 **Department of Psychology, University of Marburg (DE)**
by invitation from Prof. Rainer Schwarting & Prof. Anna Schubö
- 04.12 **Department of Psychology, University of Hamburg (DE)**
by invitation from Prof. Brigitte Röder & Prof. Volker Franz
- 11.11 **Graduate Center for Vision Research, State University of New York, NY (US)**
by invitation from Prof. Ben Backus & Prof. Robert McPeck
- 03.11 **Felix Wichmann lab, Technical University Berlin (DE)**
by invitation from Dr. Simon Barthelmé
- 02.11 **Barrow Neurological Institute, Phoenix, AZ (US)**
by invitation from Dr. Susana Martinez-Conde
- 01.11 **Brain Trauma Foundation, New York City, NY (US)**
by invitation from Prof. Jamshid Ghajar
- 07.10 **Active Perception Lab, Boston University, MA (US)**
by invitation from Prof. Michele Rucci
- 11.09 **Laboratoire de Psychologie Cognitive, Université de Provence & CNRS (FR)**
by invitation from Dr. Françoise Vitu
- 05.09 **General Psychology group, University of Potsdam (DE)**
by invitation from Prof. Reinhold Kliegl
- 06.08 **General Psychology Group, Ludwig-Maximilian-Universität München (DE)**
by invitation from Dr. Frank Bauer
- 12.07 **Institut de Neurosciences Cognitives de la Méditerranée – CNRS (FR)**
by invitation from Dr. Eric Castet
- 12.07 **Laboratoire de Psychologie Cognitive, Université de Provence – CNRS (FR)**
by invitation from Dr. Françoise Vitu
- 10.07 **Laboratoire Psychologie de la Perception, Université Paris V – CNRS (FR)**
by invitation from Prof. Patrick Cavanagh

Teaching Competence & Experience

Teaching at Humboldt-Universität zu Berlin	since 2018	Lecture "Sensation and perception" Lecturer (14 sessions, 90 min each), undergraduate level, including exams and re-exams <i>Topics:</i> Sensory physiology and psychology of perception
	since 2018	Colloquium "General Psychology: Active Perception and Cognition" Lecturer (14 sessions, 90 min each), graduate level
	since 2013	Lecture series "Cognitive Science" Organizer (15 sessions, 90 min each) and/or Lecturer (1 session each time, 90 min), graduate level <i>Topics:</i> Perception of data visualizations, Attention, Visual memory, Active Vision
	since 2023	Advanced Methods and Analyses: Eye Tracking Lecturer (4 lectures, 4 seminar sessions, and student projects), graduate level
	WS '19, '20	Seminar "Effective visual communication of data: Theory & Practice" Lecturer (7 sessions, 180 min each), graduate level
	SS '18 – '20 WS '21	Lab course in Experimental Psychology Lecturer (14 sessions, 90 min each), undergraduate level
	WS '13, 18, '19	Seminar "Psychophysics and Neuroscience of active vision" Lecturer (15 sessions, 90 min each), graduate level
	WS '15, '20	"Experimental Lecture" of the Bernstein Graduate School Guest lecturer (1 session each time, 90 min), graduate level
	WS '14	Lecture "Biological Psychology I" Lecturer (15 sessions, 90 min each), undergraduate level, including exams and re-exams <i>Topics:</i> Neuroanatomy, Neurophysiology, Neurotransmitters, Development, Evolution
Teaching at Dartmouth College	Fall '22	PSYC165 "Best practices in eye tracking" Lecturer (18 sessions, 120 min each, including project work), graduate level
Teaching at New York University Berlin	Fall '15 – '17	Lecture PSYCH-UA 9022 "Perception" Lecturer (15 sessions, 165 min each), undergraduate level, including mid-term and final exams <i>Topics:</i> Sensory physiology and psychology of perception
Teaching at New York University	Fall '11	Seminar COSEM-UA.109 "How we see" Guest lecturer for Prof. Marisa Carrasco (2 sessions, 90 min each), undergraduate level <i>Topics:</i> Perceptual organization & object recognition
	Summer '11	Lecture PSYCH-UA.22 "Perception" Lecturer (24 sessions, 90 min each), undergraduate level, including mid-term and final exams <i>Topics:</i> Sensory physiology and psychology of perception
Teaching at University of Potsdam	WS '05 – '07 SS '06 – '07	Lab course in Experimental Psychology Lecturer (12-14 sessions, 180 min each), undergraduate level <i>Topics:</i> Unconscious cuing, Perception of causality, Implicit learning, Subjective gaze
	SS '06	Seminar "Focussing Attention: Current Topics in Attention Research" Lecturer (12 sessions, 90 min each), undergraduate level
	WS '04	Seminar "Mathematical models of cognitive processes" Tutor for Dr. Ralf Engbert, graduate level
	Courses and certificates in didactics	2015
	2020	Research-oriented teaching and learning in seminars Introductory workshop (16 hours) in Berlin (DE), bologna.lab of HU Berlin

Supervision & Mentoring

Post-doctoral associates

since 07.24	Julie Ouerfelli-Éthier , postdoctoral position at <i>Science of Intelligence</i> cluster
since 07.23	Lisa M. Kroell , postdoctoral position at <i>HU Berlin</i>
since 07.23	Joan Ongchoco , postdoctoral fellowship of the <i>Alexander von Humboldt Foundation</i>
since 03.21	Nina Hanning , postdoctoral position at <i>Science of Intelligence</i> cluster
since 01.21	Lukasz Grzeczowski , postdoctoral position in <i>ERC Consolidator grant</i>
since 09.18	Anna Heuer , Temporary Position for Principal Investigators from the <i>DFG</i>
10.20 – 02.24	Richard Schweitzer , now Postdoctoral Fellow at <i>CIMeC Rovereto (IT)</i>
07.13 – 03.24	Sven Ohl , now Heisenberg-Fellow at <i>HU Berlin (DE)</i>
10.21 – 12.23	Angelica Godinez , now Postdoctoral Fellow at <i>UC Berkeley (US)</i>
05.21 – 04.23	Carolin Hübner , now Head of Perception Research at <i>TU Chemnitz</i>
01.13 – 12.18	Carlos R. Cassanello , now Research Fellow am <i>University of Nottingham (UK)</i>
01.14 – 11.14	Alexander L. White , now Assistant Professor at <i>Barnard College - Columbia University (US)</i>

PhD Students (direct supervision)

since 10.24	Inchara Manjunatha , <i>Berlin School of Mind & Brain (DE)</i> <i>Topic:</i> TBD
since 02.21	Melis Ince , <i>Humboldt-Universität zu Berlin (DE)</i> <i>Topic:</i> Continuity of objects in active vision
since 01.21	Wiebke Nörenberg , <i>Humboldt-Universität zu Berlin (DE)</i> <i>Topic:</i> The role of sensory consequences of visual actions in causality and agency
since 10.19	Olga Shurygina , <i>Exzellenzcluster Science of Intelligence (DE)</i> <i>Topic:</i> Object-based attention in dynamic visual scenes
since 10.19	Jan-Nikolas Klanke , <i>Berlin School of Mind & Brain (DE)</i> <i>Topic:</i> The role of volition and awareness in sense of agency
since 10.19	Clara Kuper , <i>Berlin School of Mind & Brain (DE)</i> <i>Topic:</i> Perceptual decisions under uncertainty for fast motor responses
10.18 – 07.23	Lisa Kröll , <i>Humboldt-Universität zu Berlin (DE)</i> <i>Topic:</i> Foveal vision before the eyes move: Perceptual correlates of predictive visual processing in the center of gaze 🏆 awarded PhD Award Adlershof 2023
05.16 – 11.20	Richard Schweitzer , <i>Berlin School of Mind & Brain (DE)</i> <i>Topic:</i> Perceptual and motor consequences of intrasaccadic perception 🏆 awarded Humboldt Prize 2021 for best dissertation at Humboldt-Universität zu Berlin and the Lieselotte Pongratz-Promotionspreis 2022 of the German Academic Scholarship Foundation
03.19 - 01.20	Frederik Geweke , <i>Einstein Center for Neurosciences Berlin (DE)</i> <i>Topic:</i> Real-time tracking of neural population responses during saccade preparation (discontinued)
02.13 – 06.17	Zampeta Kalogeropoulou , <i>Bernstein Center for Computational Neuroscience Berlin (DE)</i> <i>Topic:</i> Feature-based attention in active vision

PhD Students (co-supervision)

since 2024	Luca Kämmer , PhD co-supervision at <i>Justus-Liebig-Universität Gießen (DE)</i>
since 2024	Gökberk Günaydin , PhD co-supervision at <i>Einstein Center for Neurosciences (DE)</i>
since 2023	Clara Lejeune , PhD supervision committee at <i>Berlin School of Mind & Brain (DE)</i>
since 2022	Oliver Steiner , PhD co-supervision at <i>Berlin School of Mind & Brain (DE)</i>
since 2022	Milena Musial , PhD supervision committee at <i>Humboldt-Universität zu Berlin (DE)</i>
since 2021	Amit Rawal , PhD supervision committee at <i>Ernst Strüngmann Institute in Frankfurt (DE)</i>
since 2021	Leonardo Pettini , PhD supervision committee at <i>Max Planck School of Cognition (DE)</i>
since 2019	Lynn Schmittwilken , PhD supervision committee at <i>Exzellenzcluster Science of Intelligence (DE)</i>
since 2019	Aravind Battaje , PhD co-supervision at <i>Exzellenzcluster Science of Intelligence (DE)</i>
since 2019	Nicolas Roth , PhD co-supervision at <i>Exzellenzcluster Science of Intelligence (DE)</i>
since 2018	Daniela Palleschi , PhD supervision committee at <i>Einstein Center for Neurosciences (DE)</i>
08.22 – 06.23	Marvin Maechler , PhD co-supervision at <i>Dartmouth College (US)</i>
03.17 – 06.20	Sunwoo Kwon PhD co-supervision at <i>University of Rochester (US)</i>

Thesis supervision

since 02.24	Jakob Dötter , Master's thesis at <i>Humboldt-Universität zu Berlin (DE)</i>
since 02.24	Arne Stein , Bachelor's thesis at <i>University of Groningen (NL)</i>
since 01.24	Mia Ritter , Bachelor's thesis at <i>Humboldt-Universität zu Berlin (DE)</i>
since 01.24	Siri Tappesser , Bachelor's thesis at <i>Humboldt-Universität zu Berlin (DE)</i>
since 11.23	Antonia Keller , Bachelor's thesis at <i>Humboldt-Universität zu Berlin (DE)</i>
since 09.23	Thomas Symank , Bachelor's thesis at <i>Humboldt-Universität zu Berlin (DE)</i>

Former undergraduate theses (Bachelor): Liv Möller, Lisa Hoffmann, Ben Sommer, Armin Israel, Tobias Richter, Nick Fritz, Mara Döring, Emilia Rehse, Linda Kerbl, David Steins, Karl Käther, Bea Keweloh, Clara Kuper

Former graduate theses (Master and Diploma): Claudia Engler, Oliver Steiner, Annick Langlois, Laura Wirth, Flora Muscinelli, Hannes Hösterey, Susan Kang, Jan-Nikolas Klanke, Julius Krumbiegel, Olga Shurygina, Luke Pendergrass, Kerstin Wolf, Hakan Karsilar, Heiko Böttcher, Marthe Plöger

🏆 Flora Muscinelli received the Rolf-Niedermeier-Preis 2022 for exceptional Master's thesis

🏆 Julius Krumbiegel received the Humboldt Prize 2020 for exceptional academic work by students

Student research assistants & interns

since 06.24	Ronja Buchin , undergraduate RA from <i>Humboldt-Universität zu Berlin (DE)</i>
since 06.24	Almila Naz Esen , graduate RA from <i>Freie Universität Berlin (DE)</i>
since 11.23	Marida Zhupa , undergraduate RA from <i>Freie Universität Berlin (DE)</i>
since 10.23	Frederike Fischer , undergraduate RA from <i>Humboldt-Universität zu Berlin (DE)</i>
since 11.21	Antonia Keller , undergraduate RA from <i>Humboldt-Universität zu Berlin (DE)</i>
since 07.21	Mara Doering , undergraduate RA from <i>Humboldt-Universität zu Berlin (DE)</i>
since 04.19	Tobias Richter , graduate RA from <i>Humboldt-Universität zu Berlin (DE)</i>

Former RAs: Elira Vetter, Jen DiMascio-Donohue, Annick Langlois, Arne Stein, Nick Fritz, Laura Wirth, Carmen Haake, Maren Eberle, Laura Freire Lyra, Lea Krätzig, Amelie von Werder, Jakob Erhard, Lara Mbaye, Alice Rossini, Jan-Nikolas Klanke, Hannah Wnendt, Julius Krumbiegel, Olga Shurygina, Polina Arbutova, Clara Kuper, Luke Pendergrass, Stefan Uhrig, Kerstin Wolf, Franca Utz, Alma Hertwig

Former interns: Sonja Djuric, Marshall Mykietyshyn, Laura van Zantwijk, Marida Zhupa, Sofia Frantisakova, Ben Sommer, Helene Ackermann, Almila Naz Esen, Ezgi Temel, Claire Sturgill, Jasper McLaughlin, Igor Kotliarov, Liashchenko Yelyzaveta, Ilaria Sartorio, Arne Stein, Phuc Nguyen, Neha Binish, Ülkü Tonbuloglu, Doruk Yiğit Erigüç, Adu Matory, Maria Iudina, Ge Tang, Paola Suárez, Akshay Jagadeesh, Polina Arbutova, Nick Murray-Smith, Sarah Lucy Charlesworth Poe, Hakan Karsilar

Additional mentoring

2021 – 2024	Madeleine Gross , Fulbright Scholar from <i>University of California, Santa Barbara (US)</i>
2021	Ştefania Cionca , Lab rotation from <i>Einstein Center for Neurosciences (DE)</i>
2019	Kai Standvoß , Lab rotation from <i>Einstein Center for Neurosciences (DE)</i>
2019	Gáspár Lukács , Dissertation at <i>University of Vienna (AUT)</i>
2019	Lucas House , Dissertation at <i>Université du Québec à Montréal (CAN)</i>
2019	Greta Häberle , Lab rotation from <i>Einstein Center for Neurosciences (DE)</i>
2018	Frederik Geweke , Lab rotation from <i>Einstein Center for Neurosciences (DE)</i>
2017	Tarryn Balsdon , Collaborative project with <i>Western Sydney University (AU)</i>
2015	Anastasiia Umanets , Dissertation at <i>Humboldt-Universität zu Berlin (DE)</i>
2014 – 2015	Barbara Haupt , Dissertation at <i>Humboldt-Universität zu Berlin (DE)</i>