Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

Employment

Associate Professor, York University, Toronto	*July 2025 – present*
Assistant Professor, York University, Toronto	*July 2019 – June 2025*
Research Associate, Stanford University	*September 2018 – June 2025*
Post-doctoral Scholar, Stanford University	*September 2013 – August 2018*
Doctoral Student, Dartmouth College	*September 2008 – August 2013*
Graduate Volunteer Researcher, Dartmouth College	*October 2007 – June 2008*

Education

PhD, Cognitive Neuroscience, Dartmouth College, Hanover NH	*September 2008 – August 2013*
BSc in Psychology, University of Copenhagen, Denmark	*September 2004 – July 2007*

Funding

Vista research grant 2023-2025 (PI, awarded $50,000):
Marmoset Responses to Mid-level Visual Features investigated with Natural and Artificial Stimuli

NSERC RTI 2023 (Co-Investigator, awarded $97,000):
Enhanced Neuroimaging Infrastructure for Innovative Visual Neuroscience

Catalyzing Interdisciplinary Research Clusters 2022-2025 (Co-Applicant, awarded $450,000):
Translating Brain Signals Across Scales, Species, Sex, and Lifespan

NSERC Discovery Grant 2020-2026 (PI, awarded $132,500):
Symmetry as a cue to object and scene representations in human visual cortex

York University Junior Faculty Fund & Minor Research Grant 2020 (PI, awarded $5000):
Symmetry in Natural Vision

York University Minor Research Grant 2024 (PI, awarded $3000):
The Computation of Configural Shape in Human Visual Cortex

Service

Centre for Vision Research, Member of Steering Committee (director: Rob Allison, 2020-)

Centre for Vision Research, Seminar Coordinator (2022-)

Centre for Vision Research, Member of Communications Committee (2020-)

Graduate Area Coordinator, Brain, Behaviour and Cognitive Science, Psychology Department (2024-)

Elected Member of Psychology Department Exec Committee (2023-)

Faculty recruitment committee member (2022, 2023, 2024)

Faculty of Health Senator (2020-2023)

Contributor to JsPsych, a JavaScript library for running behavioral experiments online (2020-)

External Grant Reviewer, NSERC Discovery Grant Program

Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

Ad Hoc Reviewer for Peer Reviewed Journals:

Nature Communications • eLife • Psychological Science • Journal of Neuroscience • NeuroImage • Communications Biology • Scientific Reports • Scientific Data • Journal of Vision • Cognition • Attention, Perception and Psychophysics • Vision Research • Perception • Neuropsychologia • Brain Structure and Function • Cognitive Processing • Frontiers of Psychology • PLOS one • Art and Perception • 3D Research

Teaching

NRSC 2200: Neuroscience Laboratory Techniques, Winter 2021, Winter 2022, Winter 2023, Winter 2024

PSYC 2240: Biological Bases of Behavior, Fall 2020, Summer 2023, Fall 2024

PSYC 4260: Seminar in Sensation and Perception, Fall 2021, Fall 2024

PSYC 6273: Computer Programming for Experimental Psychology, Winter 2020

Mentorship

Graduate supervision

† = Recipient of VISTA Master's Scholarship
‡ = Recipient of Connected Minds' Master's Scholarship
* = Successfully defended PhD Dissertation/Master's Thesis

†	2025-	Aida Golshan, MSc, Biology *Title TBD*
	2025-	Alejandro Gonzales Garcia, MSc, Biology *Title TBD*
‡	2024-	Isimeme Okonofua, MSc, Biology *Title TBD*
	2023-	Shadi Ahmari, MSc, Biology *Comparing psychophysical thresholds for contrast detection and detection of intact and perspective-distorted symmetry in novel naturalistic 3D objects*
†	2023-	Yara Iskandar, MSc, Psychology *Relating Symmetry Sensitivity to Receptive Field Properties in Visual Cortex*
*†	2023-	Shama Samet, MSc, Psychology *Investigating Local and Configural Shape Processing with Steady-State Visual Evoked Potentials*
	2022-2024	Sara Chaparian, MSc, Biology *Relating Variability in Scalp EEG to Variability in Cortical Morphology*
*	2022-2024	Shenoa Ragavaloo, MA, Psychology *Brain responses to symmetries in naturalistic, novel 3D objects*
*†	2020-2022	Rachel Moreau, MA, Psychology *Differentiating Visual Search Efficiencies for Symmetry Type and Texture Regularity*

Graduate Committee Membership

* = Successfully defended PhD Dissertation/Master's Thesis

	2024-	Ph.D. Thesis: P. Georgiadis (Supervisor: Doug Crawford, Biology)
	2023-	M.A. Thesis: Yashi Rawat (Supervisor: Liya Ma, Psychology)
	2021-	Ph.D. Dissertation: Rebecca Whiley (Supervisor: Chris Bergevin, Biology)
	2019-2024	Ph.D. Dissertation: Naail Khan (Supervisor: Dale Stevens, Psychology)
	2021-	Ph.D. Dissertation: Raphael Gastrock (Supervisor: Denise Henriques, Kinesiology)
*	2023-2025	M.A. Thesis: Matt MacDonald-Dale (Supervisor: Jennifer Steeves, Psychology)

Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

*	2023-2024	M.A. Thesis: Niousha Pordavoody (Supervisor: Douglas Crawford, Psychology)
*	2021-2023	M.A. Thesis: Remy Cohan (Supervisor: Jennifer Steeves, Psychology)
*	2020-2021	M.A. Thesis: Jay Patel (Supervisor: Richard Murray, Psychology)
*	2019-2021	M.A. Thesis: Raphael Gastrock (Supervisor: Denise Henriques, Kinesiology)

Oral Examination Committee Membership

* = Successfully defended Ph.D. Dissertation/M.A. Thesis

	2025	PhD Committee Chair Aysha N. Kinakool Vayalippath (Supervisor: Jennifer Steeves, Psychology)
*	2025	PhD External Examiner Elena Karakashevska (Supervisor: Alexis Makin, Psychology, University of Liverpool)
*	2025	PhD Committee Chair Zoha Ahmad (Supervisor: Erez Freud, Psychology)
*	2025	MA Committee Chair: Ashley Funkhauser (Supervisor: Nikolaus Troje, Psychology)
*	2025	PhD Committee Chair: Zoha Ahmad (Supervisor: Erez Freud, Biology)
*	2024	MSc Internal, Arm's Length Teodora Neagu (Supervisor: Laurie Wilcox, Biology)
*	2024	MA Committee Chair: Tenzin Chosang (Supervisor: James Elder, Psychology)
*	2023	MA Committee Chair: Maria Orlando (Supervisor: Shayna Rosenbaum, Psychology)
*	2021	PhD Committee Chair: Bianca Baltaretu (Supervisor: Doug Crawford, Psychology)
*	2021	MSc Internal, Arm's Length: Fengbo Lan (Supervisor: Rob Allison, CS and Engineering)

UG RAs: Christopher Lee (2020-2022) • Linda Godley (2020-2021) • Rachel Lysenko (2020-2022) • Shaya Samet (2022-2023) • Yara Iskandar (2022-2023) • Amanda Di Pietrantonio (2022-2023) • Nikan Movahedi (2022-) • Jasman Kahlon (2023-2024) • Arya Bhosale (2023) • Samuel Mongrain (2025)

UG Honor's Theses and Capstone Projects:
Rita Hdaki (Bio, 2022) • Shaya Samet (Psych, 2022) • Aisha Salifu (Bio, 2024) • Jasman Kahlon (Psych, 2024) Jacob Leboeuf (Neuroscience, 2024) • Aurore Maloh (Psych, 2025) • Kate Tarasick (Neuroscience, 2025) Chi Dao (Psych, 2025)

Other mentorship:

York Stem Fellowship Indicium, supervising 4 BA students (2020-2021)

Research Experiences for Diversity and Inclusion (REDI) program at the Department of Psychology, supervising 2 BA students (2023)

Peer-reviewed Publications

Shams, M, **Kohler**, PJ & Cavanagh, P (under review). Different Effects of Flash-Grab and Frame Stimuli on Position Shift and Shape Distortion. *Journal of Vision.*

Reitelbach, C, **Kohler**, PJ, Oyibo, K and Ehlers, J (under review). Optimizing SSVEP for Brain-Computer Interfaces: The influence of viewing distance, stimulus size and luminance. *Behavioural Brain Research*.

Maechler, MR, Choe, E, Cavanagh, P, **Kohler**, PJ, Tse, PU (2025). Hemifield Specificity of Attention Response Functions During Multiple Object Tracking. *Journal of Neuroscience 45*(19), 1-12.

Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

Moreau, R, Alp, N, Clarke, A, Freud, E & **Kohler**, PJ (2025). Visual search efficiency is modulated by symmetry type and texture regularity. *Journal of Vision 25*(7), 1-13.

Shams, M, **Kohler**, PJ & Cavanagh, P (2024). Deconstructing the Frame Effect. *Journal of Vision 24*(11), 8, 1-10.

Kohler, PJ, Vedak, S & Gilmore, RO (2022). Perceptual Similarities among Wallpaper Group Exemplars. *Symmetry 14*(5)*,* 857.

Boswell, A., **Kohler**, PJ, McCarthy, JD & Caplovitz, GP (2021). Perceived group size is determined by the centroids of the component elements. *Journal of Vision 21*(13), 1.

Sievers, B, Parkinson, C, **Kohler**, PJ, Hughes, J, Fogelson, S & Wheatley, T (2021). Visual and auditory brain areas share a representational geometry for perceiving emotion. *Current Biology*, 31, 1–12

Audurier, P, Héjjà-Brichard, Y, De Castro, V, **Kohler**, PJ, Norcia, AM, Durand, J-B & Cottereau, BR (2021). Symmetry processing in the macaque visual cortex. *Cerebral Cortex*. 32(10):2277-2290

Kohler, PJ & Clarke, A. (2021). The human visual system preserves the hierarchy of 2-dimensional pattern regularity. *Proceedings of the Royal Society B: Biological Sciences, 288, 20211142.*

Norcia, AM, Lee, A, Meredith, W, **Kohler**, PJ, Pei, F, Ghassan, S, Libove, R, Phillips, J & Hardan, AY (2021). A case-control study of visual, auditory and audio-visual sensory interactions in children with Autism Spectrum Disorder. *Journal of Vision, 21*(4), 5.

Van Rinsveld, A, Guillaume, M, **Kohler**, PJ, Schiltz, C, Gevers, W & Content, A (2020). The neural signature of numerosity by Separating numerical and continuous magnitude extraction in visual cortex with frequency-tagged EEG. *Proceedings of the National Academy of Sciences, 117*(11), 5726-5732*.*

Barzegaran, E, Bosse, S, **Kohler**, PJ & Norcia, AM (2019). EEGSourceSim: A framework for realistic simulation of EEG scalp data using MRI-based forward models and biologically plausible signals and noise. *Journal of Neuroscience Methods, 328,* 108377*.*

Kohler, PJ, Cottereau, BR & Norcia, AM (2019). Image Segmentation Based on Relative Motion and Relative Disparity Cues in Topographically Organized Areas of Human Visual Cortex. *Scientific Reports, 9*(1), 9308.

Manning C, Kaneshiro B, **Kohler** PJ, Duta M, Scerif G & Norcia AM (2019) Neural dynamics underlying coherent motion perception in children and adults. *Developmental Cognitive Neuroscience, 38,* 100670*.*

Kohler, PJ, Meredith, WJ and Norcia, AM (2018). Revisiting the functional significance of binocular cues for perceiving motion in depth. *Nature Communications, 9*(1), 3511.

Alp, N, **Kohler**, PJ, Kogo, N, Wagemans, J and Norcia, AM (2018). Measuring Integration Processes in Visual Symmetry with Frequency-Tagged EEG. *Scientific Reports 8*(1), 6969.

Kanayet, F, Mattarella-Micke, A, **Kohler**, PJ, Norcia, AM, McCandliss, B and McClelland, JM (2018). Distinct representations of magnitude and spatial position within parietal cortex during number-space mapping. *Journal of Cognitive Neuroscience, 30*(2), 200-218.

Kohler, PJ, Cottereau, BR and Norcia, AM (2018). Dynamics of Perceptual Decisions About Symmetry in Visual Cortex. *NeuroImage, 167,* 316-330.

Norcia, AM, Pei, F & **Kohler**, PJ (2017). Evidence for long-range spatio-temporal interactions in infant and adult visual cortex. *Journal of Vision, 17*(6), 12.

Kohler, PJ, Cavanagh, P, & Tse, PU (2017). Motion-induced position shifts activate early visual cortex. *Frontiers in Neuroscience, 11*(168).

Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

Kohler, PJ, Clarke, A, Yakovleva, A, Liu, Y & Norcia, AM (2016). Representation of maximally regular textures in human visual cortex. *Journal of Neuroscience, 36*(3), 714 –729.

McCarthy, JD, **Kohler**, PJ, Tse, PU & Caplovitz, GP (2015). Extrastriate Visual Areas Integrate Form Features over Space and Time to Construct Representations of Stationary and Rigidly Rotating Objects. *Journal of Cognitive Neuroscience, 27*(11), 2158-2173.

Kohler, PJ, Cavanagh, P, & Tse, PU (2015). Motion-induced position shifts are influenced by global motion, but dominated by component motion. *Vision Research, 110*, 93-99.

Schlegel, A, Alexander, P, Fogelson, SV, Li, X, Lu, Z, **Kohler**, PJ, Riley, E, Tse, PU, & Meng, M (2015). The artist emerges: Visual art learning alters neural structure and function. *NeuroImage, 105*, 440-451.

Kohler, PJ, Caplovitz, GP & Tse, PU (2014). The global slowdown effect: Why does perceptual grouping reduce perceived speed? *Attention, Perception and Psychophysics, 76*(3), 780-792.

Fogelson, SV, **Kohler**, PJ, Miller, KJ, Granger, R, and Tse, PU (2014). Unconscious neural processing differs with method used to render stimuli invisible. *Frontiers in Psychology, 5*(601).

Schlegel, AS, **Kohler**, PJ, Fogelson, SV, Alexander, P, Konuthula, D & Tse, PU (2013). Network structure and dynamics of the mental workspace. *Proceedings of the National Academy of Sciences, 110*(40), 16277-16282.

Kohler, PJ, Fogelson, SV Reavis, EA, Meng, M, Guntupalli, JS, Hanke, M, Halchenko, YO, Connolly, AC, Haxby, JV & Tse, PU (2013). Pattern classification precedes regional-average hemodynamic response in early visual cortex. *NeuroImage, 78,* 249–260.

Reavis, EA, **Kohler**, PJ, Caplovitz, CP, Wheatley, T & Tse, PU (2013). Effects of attention on visual experience during monocular rivalry. *Vision Research, 83,* 76-81.

Parkinson, C, **Kohler**, PJ, Sievers, B & Wheatley, T (2012). Associations between auditory pitch and visual elevation do not depend on language: Evidence from a remote population. *Perception, 47*(7), 854-861.

Porter, KB, Caplovitz, GP, **Kohler**, PJ, Ackerman, CM & Tse, PU (2011). Rotational and translational motion interact independently with form. *Vision Research, 51*(23), 2478-2487.

Kohler, PJ, Caplovitz, GP, Hsieh, P-J, Sun, J & Tse, PU (2010). Motion fading is driven by perceived, not actual angular velocity. *Vision Research, 50*(11), 1086–1094.

Kohler, PJ, Caplovitz, GP & Tse, PU (2009). The whole moves less than the spin of its parts. *Attention, Perception & Psychophysics, 71*(4), 675-679.

Mala, H, Castro, MR, Knippel, J, **Kohler**, PJ, Lassen, P & Mogensen, J (2008). Therapeutic effects of a restraint procedure on posttraumatic place learning in fimbria-fornix transected rats. *Brain Research, 1217,* 221-231.

Book Chapters

Caplovitz, GP Hsieh, P-J, **Kohler**, PJ & Porter, KB (2017). The Spinning Ellipse Speed Illusion. In *Oxford Compendium of Visual Illusions* (pp. 170-173): Oxford University Press.

Tse, PU, Reavis, EA, **Kohler**, PJ, Caplovitz, GP, & Wheatley, T (2013). How Attention can Alter Appearances. In *Handbook of Experimental Phenomenology* (pp. 291-315): John Wiley & Sons, Ltd.

Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

Presentations

Conference Talks

2025 June
"The Contribution of Configural Shape to Object Recognition is Processed by a Late-Onset Mechanism Likely Localized in Right Temporal Cortex"
student-led talk *The Canadian Action and Perception Network Satellite*, Toronto, ON

2024 May
"Does perspective-distortion modulate the temporal tuning of symmetry responses?"
student-led talk *Vision Sciences Society*, St. Petersburg, FL

2024 January
"Investigating local and configural shape processing with steady-state visual evoked potentials"
Annual Interdisciplinary Conference, Jackson Hole, WY

2023 May "Spatial Mechanisms Mediating Visual Responses to Symmetries in Textures"
student-led talk *Vision Sciences Society*, St. Petersburg, FL
Recipient of the VSS travel award

2021 May "Differential processing of reflection and rotation symmetries in visual textures"
student-led talk *Vision Sciences Society*, St. Petersburg, FL

2018 May "Characterizing late-developing binocular motion mechanisms in human visual cortex"
Vision Sciences Society, St. Petersburg, FL

2017 May "Neural responses to motion in 2 and 3 dimensions"
Vision Sciences Society, St. Petersburg, FL

2015 May "Parametric responses to rotation symmetry in mid-level visual cortex"
Vision Sciences Society, St. Petersburg, FL

2012 May "Neural correlates of perceptually bistable motion-based grouping"
Vision Sciences Society, Naples, FL

Invited Talks

2025 November "Visual Responses to Symmetries in Textures and Objects"
University of Toronto, "Ebbinghaus Empire" Talk Series

2024 October "Visual Responses to Symmetries in Textures and Objects"
University of Illinois Urbana-Champaign, Attention & Perception Talk Series

2023 June "Visual Responses to Symmetries in Objects and Textures"
Iranian Neuroscience Society

2022 July "Visual Neuroscience: Symmetry as a case study"
CVR Summer School 2022, York University, Toronto

2021 July "Symmetry and Visual Perception"
CVR Summer School 2021, York University, Toronto

2021 April "Symmetries in Visual Textures"
keynote, *Visual Properties Driving Visual Preference* workshop, University of Liverpool, UK

2019 March "The role of motion in organizing visual perception"
Department of Psychology, York University, Toronto

Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

2019 February — "Exploring perceptual organization with steady-state EEG" Department of Neuroscience, Psychology and Behaviour, University of Leicester, UK

2018 February — "Symmetry as a fundamental feature dimension in mid-level vision" Department of Psychology, York University, Toronto

2017 July — "Steady-state visual evoked potentials in EEG experiments" Core Outreach Workshop, University of Lincoln, Nebraska

2016 February — "Texture regularity processing in human visual cortex" NASA Ames Research Center, Moffett Field, CA

2015 December — "Perceptual organization at multiple stages of cortical processing" Danish Centre For Magnetic Resonance, Hvidovre, Denmark

2015 August — "Perceptual organization at multiple stages of cortical processing" Cognitive Neuroscience Research Unit, Aalborg, Denmark

2015 August — "Perceptual organization at multiple stages of cortical processing" Department of Psychology, Lund University, Sweden

2015 August — "Perceptual organization at multiple stages of cortical processing" Fraunhofer Heinrich Hertz Institute, Berlin, Germany

2014 January — "The Influence of Local and Global Motion on Shifts in Perceived position" Institut de Neurosciences de la Timone, Marseille, France

2014 January — "Probing the neural underpinnings of Motion-induced Position Shifts" Université Paris Descartes, France

Posters

Georgiadis, P, Freud, E, **Kohler**, PJ & Crawford, D (2025). EEG-Based Neural Representations of Visually Guided Reaching and Placement Movements. Poster at *European Conference on Visual Perception*, Mainz, Germany.

Macdonald-Dale, MC, Moro, SS, Gorbet, DJ, Cohan, R, **Kohler**, PJ & Steeves, JKE (2025). Increased population receptive field size in early visual cortex following the loss of one eye. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Shams, M, Maloh, A, **Kohler**, PJ & Cavanagh, P (2025). Investigating Attentional Repulsion as a Mechanism for Anisotropic Position Shifts around Moving Objects. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Samet, SS, Kahlon, J, Baker, N, Freud, E, Elder, JH & **Kohler**, PJ (2025). The Contribution of Configural Shape to Object Recognition Is Processed by a Late-Onset Mechanism Likely Localized in Right Temporal Cortex. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Kohler, PJ, Samet, S, Kahlon, J, Baker, N, Freud, E & Elder, JH (2024). Investigating Configural and Local Shape Processing with Steady State Visual Evoked Potentials. Poster at *European Conference on Visual Perception*, Aberdeen, Scotland.

Shams, M, Cutler, J, **Kohler**, PJ, & Cavanagh, P (2024). Comparing Shape Distortion in in Frame Effect and Flash-Grab Effect. Poster at *European Conference on Visual Perception*, Aberdeen, Scotland.

Iskandar, S, Lee, C, Bosse, S & **Kohler**, PJ (2024). Spatial Tuning of Visual Responses to Symmetries in Textures. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Ragavaloo, S, Movahedi, N & **Kohler**, PJ (2024). Brain Responses to Symmetries in Naturalistic Novel Three-Dimensional Objects. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

Samet, S, Kahlon, J, Elder, JH, Baker, N, Freud, E & **Kohler**, PJ (2024). Investigating Configural and Local Shape Processing with Steady State Visual Evoked Potentials. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Shams, M, Maloh, A, **Kohler**, PJ & Cavanagh, P (2024). Attentional Effect in Motion-Induced Position Shift. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Chaparian, S, Schall, J & **Kohler**, PJ (2024). Relating Variability in Scalp EEG to Variability in Cortical Morphology. Poster at *Lake Ontario Visionary Establishment*, Niagara Falls, Ontario.

Movahedi, N, Ragavaloo, S & **Kohler**, PJ (2024). Does perspective-distortion modulate the temporal tuning of symmetry responses? Poster at *Lake Ontario Visionary Establishment*, Niagara Falls, Ontario.

Ragavaloo, S, Movahedi, N & **Kohler**, PJ (2024). Brain Responses to Symmetries in Naturalistic Novel Three-Dimensional Objects. Poster at *Lake Ontario Visionary Establishment*, Niagara Falls, Ontario.

Samet, S, Khalon, J, Elder, JH, Baker, N, Freud, E & **Kohler**, PJ (2024). Investigating Configural Processing with SSVEPs. Poster at *Lake Ontario Visionary Establishment*, Niagara Falls, Ontario.

Ragavaloo, S & **Kohler**, PJ (2023). Brain Responses to Symmetries in Naturalistic Novel Three-Dimensional Objects. Poster at *Neuroscience*, Washington, DC.

Kohler, PJ, Samet, S, Iskandar, Y & Pierce, L (2023). Brain Responses to Symmetry during Early Infancy. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Samet, S, Iskandar, Y, Fukuda, K, Freud, E & **Kohler**, PJ (2023). Symmetry Benefits Working Memory Representations of Object Orientation. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Shams, M, Di Pietrantonio, A, Hatton, M, **Kohler**, PJ & Cavanagh, P (2023). Object-based Attention Measured with SSVEPs. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Iskandar, Y, Samet, S, Lee, C, Bosse, S & **Kohler**, PJ (2023). Spatial Mechanisms Mediating Visual Responses to Symmetries in Textures. Poster at *Lake Ontario Visionary Establishment*, Niagara Falls, Ontario.

Ragavaloo, S & **Kohler**, PJ (2023). Brain Responses to Symmetries in Naturalistic Novel Three-Dimensional Objects. Poster at *Lake Ontario Visionary Establishment*, Niagara Falls, Ontario.

Samet, S, Iskandar, Y, Freud, E & **Kohler**, PJ (2023). Symmetry Benefits Working Memory Representations of Object Orientation. Poster at *Lake Ontario Visionary Establishment*, Niagara Falls, Ontario. *Winner of the 2nd best poster prize at the LOVE conference 2023!*

Padilla, D, Stajduhar, A, & **Kohler**, PJ (2023). Similarity Sorting of Novel 2-D and 3-D Objects. Poster at *Lake Ontario Visionary Establishment*, Niagara Falls, Ontario.

Shams, M, **Kohler**, PJ & Cavanagh, P (2022). Flash Localization in the Vicinity of a Moving Object. Poster at *European Conference on Visual Perception*, Nijmegen, Netherlands.

Kohler, PJ, Norcia, AM & McCandliss, B (2019). Steady-state visual evoked potentials reveal parietal contributions to abstract numerosity. Poster at *Neuroscience*, Chicago, IL.

Kohler, PJ, Barzegaran, E, Davis, BE & Norcia, AM (2019). Encoding- and decision-related brain activity during a motion judgment task. Poster at *Vision Sciences Society,* St. Petersburg, FL.

Kohler, PJ, Norcia, AM & McCandliss, B (2019). Assessing Parietal Contributions to Abstract Numerosity with Steady State Visual Evoked Potentials (SSVEPs). Poster at *Cognitive Neuroscience Society*, San Francisco, CA.

Peter J. Kohler, PhD
pjkohler@yorku.ca | York University, Toronto | https://www.kohlerlab.com

Kohler, PJ, Cottereau, BR & Norcia, AM (2016). Cortical areas encoding visual segmentation cues from relative motion and relative disparity. Poster at *FENS Forum of Neuroscience*, Copenhagen, Denmark.

Kohler, PJ, Cottereau, BR & Norcia, AM (2016). Identifying cortical areas involved in perceptual decisions about symmetry. Poster at *Vision Sciences Society*, St. Petersburg, FL.

Kohler, PJ & Norcia, AM (2015). Does SNR of visually evoked BOLD responses change with rapid multiplexed fMRI? Poster at *Cognitive Neuroscience Society*, San Francisco, CA.

Kohler, PJ, Harder, LH, & Tse, PU (2013). The influence of local and global motion on perceived position. Poster at *Vision Sciences Society*, Naples, FL.

Kohler, PJ, Cavanagh, CEP, & Tse, PU (2012). The influence of motion integration on shifts in perceived position. Poster at *European Conference on Visual Perception*, Alghero, Italy.

Kohler, PJ, Fogelson, SF, Reavis, EA & Tse, PU (2011). The neural basis of lightness constancy in the visual system. Poster at *Vision Sciences Society,* Naples, FL.

Kohler, PJ, Zafer, M, Reavis, EA, & Tse, PU (2010). The Ebbinghaus illusion requires consciousness of the inducers. Poster at *Association for the Scientific Study of Consciousness 14*, Toronto, Canada.

Kohler, PJ, Fogelson, SV, Reavis, EA, Guntupalli, JS & Tse, PU (2010). The Relationship Between Multivariate Pattern Classification Accuracy and Hemodynamic Response Level in Visual Cortical Areas. Poster at *Vision Sciences Society*, Naples, FL.

Kohler, PJ, Caplovitz, GP & Tse, PU (2009). The whole moves less than the spin of its parts. Poster at *Vision Sciences Society*, Naples, FL.