

Curriculum vita (January, 2020).

Árni Kristjánsson

Professor of Psychology

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- Leading Research Fellow, National Research University Higher School of Economics, Moscow, Russian Federation.
- Associate member, Institute of Cognitive Neuroscience, University College London.

[Link to GOOGLE SCHOLAR profile](#)

1. Education:

2002: Phd - Harvard University, Massachusetts, USA – in “Cognition, Brain and Behavior”.
Advisor: Professor Ken Nakayama. Thesis: “A primitive memory system for the deployment of transient attention”.

1999: MA, Harvard University, Massachusetts, USA- in “Cognition, Brain and Behavior”.
Advisor: Professor Ken Nakayama. Thesis: “Rapid, unconscious learning of relations between objects”

1996: BA Department of Psychology, University of Iceland. Advisor: Professor Jørgen Pind.

2. Professional Career:

2018- Leading Research Fellow, Higher School of Economics, Moscow.

2015- Professor of Psychology, University of Iceland

2012-2015 Associate Professor of Psychology, University of Iceland

2008 - 2012 – Vice Chair and Associate Professor of Psychology at the University of Iceland

2006 - 2008 – Head of Department of Psychology at the University of Iceland

2004 - 2006 – Assistant Professor of Psychology at the University of Iceland

2004 Part time lecturer at the University of Iceland

2002 - 2004 Honorary research fellow at the Institute of Cognitive Neuroscience, University College London. Funded by the Human Frontiers Science Program

2001 - 2002 Part time lecturer at the University of Iceland

2000 - 2001 Head teaching fellow at Harvard University.

1999 - 2000 Teaching fellow at Harvard University

1998 (summer) Research assistant to Jørgen Pind, professor at the University of Iceland.

1998 (summer) Research assistant to Kristjan Árnason, professor at the University of Iceland.

1997 Research assistant to Jørgen Pind, professor at the University of Iceland.

3. Grants and awards:

1997 - Fulbright Doctoral award for study at Harvard University.

1997 – “Thor Thors” award for Doctoral study at Harvard University (from the “American-Scandinavian Society”).

2001 - Eliot award from Harvard University.

2002 –Long-term fellowship from the Human Frontiers Science Program, for post-doctoral work at the Institute of Cognitive Neuroscience, University College London.

2004 until present - Support from the Icelandic Research Fund

2004 until present - Support from the Research fund of the University of Iceland

2014-2017: Horizon 20/20 project grant from the European Research Council

2018 Innovation Radar Prize from the European Union

4. PhD's that have graduated from my lab

2019 - Manje Brinkhuis

2019 - Rebekka Hoffmann

2018 - Tómas Kristjánsson

2016 - Ólafía Sigurjónsdóttir

2014 - Ómar I. Jóhannesson

2012 - Ragnar P. Ólafsson

2009 - Styrmir Sævarsson

5. Ten Selected Publications in Peer Reviewed Scientific Journals

2019

Hansmann-Roth, S., Chetverikov, A. & **Kristjánsson, Á.** (in press). Representing color and orientation ensembles: Can observers learn multiple feature distributions? In the press in the *Journal of Vision*.

Kristjánsson, T., Thornton, I.M., Chetverikov, A. & **Kristjánsson, Á.** (in press). Dynamics of visual attention revealed in foraging tasks. In the press in *Cognition*.

Kristjánsson, Á. & Egeth., H. (in press). How feature integration theory integrated cognitive psychology, neurophysiology, and psychophysics. In the press in *Attention, Perception & Psychophysics*.

Sigurdardóttir, H. M., Hjartarson, K. H., Gudmundsson, G. L., & **Kristjánsson, Á.** (2019). Own-race and other-race face recognition problems without visual expertise problems in dyslexic readers. *Vision Research*, 158, 146-156. DOI: 10.1016/j.visres.2019.02.010.

Shurygina, O. **Kristjánsson, Á.** Tudge, L. & Chetverikov, A. (2019). Expectations and perceptual priming in a visual search task: Evidence from eye movements and behavior. In the Press in *Journal of Experimental Psychology: Human Perception and Performance*.

Kristjánsson, Á. & Ásgeirsson, Á.G. (2019). Attentional Priming: Recent insights and current controversies. *Current Opinion in Psychology*, 29,71-75.

- Ólafsdóttir, I.M., Gestsdóttir, S. & **Kristjánsson, Á.** (2019). Visual foraging and executive functions: A developmental perspective. *Acta Psychologica*, 193, 203-213.
- Chetverikov, A., Hansmann-Roth, S., Tanrikulu, O.D. & **Kristjánsson, Á.** (2019). Feature distribution learning (FDL): a new method to study visual ensembles with priming of attention shifts. *Springer Neuromethods*.
- Kristjánsson, Á.**, Ólafsdóttir, I.M. & Kristjánsson, T. (2019). Visual foraging tasks provide new insights into the orienting of visual attention: Methodological considerations. *Springer Neuromethods*.

2018

- Jóhannesson, Ó.I., Tagu, J. & **Kristjánsson, Á.** (2018). Asymmetries of the visual system and their influence on visual performance and oculomotor dynamics. *European Journal of Neuroscience*. <https://doi.org/10.1111/ejn.14225>.
- Brinkhuis, M., Brascamp, J. & **Kristjánsson, Á.** (2018). Bistable perception is biased by search items but not by search priming. *iPerception*.
- Hoffmann, R., Valgeirsdóttir, V.V., Jóhannesson, Ó.I., Unnthorsson, R. & **Kristjánsson, Á.** (2018). Measuring relative vibrotactile spatial acuity: effects of tactor type, anchor points and tactile anisotropy. *Experimental Brain Research*. <https://doi.org/10.1007/s00221-018-5387-z>
- Hoffmann, R., Brinkhuis, M. **Kristjánsson, Á.** & Unnthorsson, R. (2018). Introducing a New Haptic Illusion to Increase the Perceived Resolution of Tactile Displays. *Proceedings of the 2nd International Conference on Computer-Human Interaction Research and Applications – Volume 1: CHIRA*, 45-53, 2018, Seville, Spain.
- Kristjánsson, T.** & Kristjánsson, Á (2018). Foraging through multiple target categories reveals the flexibility of visual working memory. *Acta Psychologica*, 183, 108-115.
- Hoffmann, R., Spagnol, S. **Kristjánsson, Á.** & Unnthorsson, R. (2018). Evaluation of an Audio-Haptic Sensory Substitution Device for Enhancing Spatial Awareness for the Visually Impaired. *Optometry and Vision Science*.
- Kristjánsson, T.**, Thornton, I.M., & Kristjánsson, Á. (2018). Time limits during visual foraging reveal flexible working memory templates. *Journal of Experimental Psychology: Human Perception and Performance*, 44(6), 827-835.
- Sigurdardóttir, H. M., Fridriksdóttir, L.E. *, Gudjonsdóttir, S. *, & **Kristjánsson, Á.** (2018). Specific problems in visual cognition of dyslexic readers: Face discrimination deficits predict dyslexia over and above discrimination of scrambled faces and novel objects. *Cognition*, 175, 157-168. *These authors contributed equally and are listed in alphabetical order.
- Jóhannesson, Ó.I., Edelman, J., Sigurpórsson, B.D. & **Kristjánsson, Á.** (2018). Effects of saccade training on express saccade proportions, saccade latencies and peak velocities: An investigation of nasal/temporal differences. In the press in *Experimental Brain Research*.
- Chetverikov, A., Kuvaldina, M., MacInnes, W. J., Jóhannesson, Ó. I., & **Kristjánsson, Á.** (2018). Implicit processing during change blindness revealed with mouse-contingent and gaze-contingent displays. *Attention, Perception, & Psychophysics*.

2017

- Chetverikov, A., Campana, G. & **Kristjánsson, Á** (2017). Set size manipulations reveal the boundary conditions of perceptual ensemble learning. *Vision Research*, 140, 144-156.
- Sigurdardottir, H. M., Danielsdottir, H. B.*, Gudmundsdottir, M.*, Hjartarson, K. H.*, Thorarinsdottir, E. A.*, & **Kristjánsson, Á**. (2017). Problems with visual statistical learning in developmental dyslexia. *Scientific Reports*, 7(1), 606. *These authors contributed equally and are listed in alphabetical order.
- Chetverikov, A., Campana, G. & **Kristjánsson, Á**. (2017). Representing color ensembles. *Psychological Science*. DOI: 10.1177/0956797617713787
- Kristjánsson, Á**, Chetverikov, A., & Brinkhuis, M. (2017). How functional are functional viewing fields?. *Behavioral and Brain Sciences*, 40.
- Jóhannesson*, Ó. I., Hoffmann*, R., Valgeirsdóttir, V. V., Unnpórsson, R., Moldoveanu, A., & **Kristjánsson, Á**. (2017). Relative vibrotactile spatial acuity of the torso. *Experimental Brain Research*, 1-11.
- Chetverikov, A., Campana, G., & **Kristjánsson, Á**. (2017). Learning features in a complex and changing environment: A distribution-based framework for visual attention and vision in general. *Progress in Brain Research*.
- Carlisle, N. B., & **Kristjánsson, Á**. (2017). How visual working memory contents influence priming of visual attention. *Psychological Research*, 1-7.
- Spagnol, S., Hoffmann, R., **Kristjánsson, Á**, & Avanzini, F. (2017). Effects of stimulus order on auditory distance discrimination of virtual nearby sound sources. *The Journal of the Acoustical Society of America*, 141(4), EL375-EL380.
- Jóhannesson, Ó.I., **Kristjánsson, Á** & Thornton, I.M. (2017). Are foraging patterns in humans related to working memory and inhibitory control? *Japanese Psychological Research*, 59, 152-166. doi: 10.1111/jpr.12152
- Chetverikov, A., Campana, G. & **Kristjánsson, Á**. (2017). Rapid learning of visual ensembles. *Journal of Vision*, 17(2):21, 1-15. DOI: 10.1167/17.2.21

2016

- Ólafsdóttir, I.M., Kristjánsson, T., Gestsdóttir, S., Jóhannesson, Ó.I., **Kristjánsson, Á**. (2016). Understanding visual attention in childhood: Insights from a new visual foraging task. *Cognitive Research: Principles and Implications*.
- Kristjánsson, Á**, Moldoveanu, A., Jóhannesson, Ó., Balan, O., Spagnol, S., Valgeirsdóttir, V. V., & Unnpórsson, R. (in press). Designing sensory-substitution devices: Principles, pitfalls and potential. *Restorative Neurology and Neuroscience*.
- Kristjánsson, Á**, Chetverikov, A. & Brinkhuis, M. (in press). How functional are functional viewing fields? In the press in *Behavioural & Brain Sciences*.
- Kristjánsson, Á** (in press). The slopes remain the same: A reply to Wolfe (2016). In the press in *i-Perception*.
- Chetverikov, A. & **Kristjánsson, Á**. (2016). On the joys of perceiving: Affect as feedback for perceptual predictions. *Acta Psychologica*, 169(2016), 1-10.
- Chetverikov, A., Campana, G. & **Kristjánsson, Á**. (2016). Building ensemble representations: How the shape of preceding distractor distributions affects visual search. *153*(2016), 196-210.
- Jóhannesson, Ó. I., Balan, O., Unnthorsson, R., Moldoveanu, A., & **Kristjánsson, Á**. (2016). The Sound of Vision Project: On the Feasibility of an Audio-Haptic Representation of the Environment, for the Visually Impaired. *Brain Sciences*, 6(3), 20.
- Kristjánsson, Á**. (2016). Priming of visual search facilitates attention shifts: Evidence from object-substitution masking. *Perception*, 45(3), 255-264.

Jóhannesson, Ó. I., Thornton, I. M., Smith, I. J., Chetverikov, A., & **Kristjánsson, Á.** (2016). Visual Foraging With Fingers and Eye Gaze. *i-Perception*, 7(2), 2041669516637279.

2015

Kristjánsson, Á. (2015). Reconsidering Visual Search. *i-Perception*, 6(6), 2041669515614670.

Brinkhuis, M. A. B., **Kristjánsson, Á.**, & Brascamp, J. W. (2015). Evidence for distinct mechanisms underlying attentional priming and sensory memory for bistable perception. *Journal of Vision*, 15(11), 1-15.

Ásgeirsson, Á. G., **Kristjánsson, Á.**, & Bundesen, C. (2015). Repetition priming in selective attention: A TVA analysis. *Acta Psychologica*, 160, 35-42.

Sigurdardottir, H.M, Ívarsson, E., Kristinsdóttir, K. & **Kristjánsson, Á.** (2015). Impaired Recognition of Faces and Objects in Dyslexia: Evidence for Ventral Stream Dysfunction? *Neuropsychology* 29(5), 739-750.

Sævarsson, S. & **Kristjánsson, Á.** (2015). Voluntary movement deficits of eyes and limbs: Neuroanatomy and diagnosis. In (D. Emmans, A. Laihinen, eds.), *Comparative Neuropsychology and Brain Imaging* (pp. 133-151). Zurich: LIT Verlag.

Kruijne, W., Brascamp, J.W., **Kristjánsson, Á.** & Meeter, M. (2015). Can a single short-term mechanism account for priming of pop-out? *Vision Research*, 115, 17-22.

Chetverikov, A., & **Kristjánsson, Á.** (2015). History effects in visual search as reflected in reaction times, choice biases, and liking. *Attention, Perception & Psychophysics*, 77, 402-412.

Sigurjónsdóttir, Ó., Sigurdardóttir, S., Björnsson, A.S. & **Kristjánsson, Á.** (2015). Barking up the wrong tree in attentional bias modification? Comparing the sensitivity of four tasks to attentional biases. *Journal of Behavior Therapy and Experimental Psychiatry*, 48, 9-16.

Chetverikov, A., Jóhannesson, Ó., & **Kristjánsson, Á.** (2015). Blaming the victims of your own mistakes: How visual search accuracy influences evaluation of stimuli. *Cognition & Emotion*, 29, 1091-1106.

Sigurjónsdóttir, Ó., Björnsson, A.S., Ludvigsdóttir, & **Kristjánsson, Á.** (2015). Money talks in attention bias modification: Reward in a dot-probe task affects attentional biases. *Visual Cognition*, 23, 118-132.

2014

Kristjánsson, Á. & Jóhannesson, Ó.I. (2014). How priming in visual search affects response time distributions: Analyses with ex-Gaussian fits. *Attention, Perception & Psychophysics*, 76 (8), 2199-2211.

Ólafsson, R.P., Snorrason, Í., Bjarnason, R.K., Emmelkamp, P.M.G, Ólason, D.P., & **Kristjánsson, Á.** (2014). Replacing intrusive thoughts: Investigating thought control in relation to OCD symptoms. *Journal of Behavior Therapy and Experimental Psychiatry*, 46, 506-515.

Kristjánsson, Á., Jóhannesson, Ó.I. & Thornton, I.M. (2014). Common Attentional Constraints in Visual Foraging. *PLOS ONE* 9 (6), e100752.

Ásgeirsson, Á.G., **Kristjánsson, Á.** & Bundesen, C. (2014). Independent priming of location and color in identification of briefly presented letters. *Attention, Perception & Psychophysics*, 76, 40-48.

Kristjánsson, T., Thorvaldsson, T.P. & **Kristjánsson, Á.** (2014). Divided Multimodal Attention: Sensory Trace and Context Coding Strategies in Spatially Congruent Auditory and Visual Presentation. *Multisensory Research*, 27, 91-110.

Ásgeirsson, Á. G., & **Kristjánsson**, Á. (2014). Random reward priming is task-contingent: the robustness of the 1-trial reward priming effect. *Frontiers in Psychology*, 5, 309.

2013

Kristjánsson, Á., Heimisson, P.R., Róbertsson, G.F. & Whitney, D. (2013). Attentional priming releases crowding. *Attention, Perception & Psychophysics*, 75, 7, 1323-1329.

Kristjánsson, Á., Saevarsson, S. & Driver, J. (2013). The boundary conditions of priming of visual search: From passive viewing through task-relevant working memory load. *Psychonomic Bulletin & Review*, 20, 514-521.

Antoniades, C., Ettinger, U., Gaymard, B., Gilchrist, I., **Kristjánsson**, Á., Kennard, C., Leigh, J., Noorani, I., Pouget, P., Smyrnis, N., Tarnowski, A., Zee, D. & Carpenter, R.H.S. (2013) An internationally standardised antisaccade protocol for clinical use. *Vision Research*, 84, 1-5.

Lamy, D., & **Kristjánsson**, Á. (2013). Is goal-directed attentional guidance just intertrial priming? A review. *Journal of Vision*, 13(3): 14, 1-19

Ólafsson, R.P., Emmelkamp, P.M.G., Gunnarsdóttir, E.R., Snæbjörnsson, T., Olason, D.T. & **Kristjánsson**, Á. (2013). Suppressing disgust related thoughts and performance on a subsequent behavioral avoidance task: Implications for OCD. *Behaviour Research and Therapy*, 51, 152-160.

Kristjánsson, Á. (2013). The case for causal influences of action videogame play upon vision and attention. *Attention, Perception and Psychophysics*, 75, 667-672.

Jóhannesson, Ó., Ingvarsdóttir, K.Ó. & **Kristjánsson**, Á. (2013). Searching for bumps and ellipses on the ground and in the sky: No advantage for the ground plane. *Vision Research*, 92, 26-32.

Jóhannesson, Ó. I., Haraldsson, H.M., & **Kristjánsson**, Á. (2013). Modulation of antisaccade costs through manipulation of target-location probability: Only under decisional uncertainty. *Vision Research*, 93, 62-73.

Ólafsson, R.P., Arngrímsson, J.B., Árnason P. Kolbeinsson, T., Emmelkamp, P.M.G., **Kristjánsson**, Á. & Ólason, D.T. (2013). The Icelandic version of the Dimensional Obsessive Compulsive Scale (DOCS) and its relationship with obsessive beliefs. *Journal of Obsessive-Compulsive and Related Disorders*, 2, 149-156.

Jóhannesson, Ó.I., & **Kristjánsson**, Á. (2013). Violating the main sequence: asymmetries in saccadic peak velocities for saccades into the temporal versus nasal hemifields. *Experimental Brain Research*, 227, 101-110.

Kristjánsson, Á., Óladóttir, B. & Most, S.B. (2013). “Hot” facilitation of “cool” processing: Emotional distraction can enhance priming of visual search. *Journal of Experimental Psychology: Human Perception & Performance*, 39, 298-306.

Saevarsson, S. & **Kristjánsson**, Á. (2013). A note on Striemer and Danckert's theory of prism adaptation in unilateral neglect. *Frontiers in Human Neuroscience*, 7(44), 1-3.

2012

Jóhannesson, Ó.I., Ásgeirsson, Á.G. & **Kristjánsson**, Á. (2012). Saccade performance in the temporal and nasal hemifields. *Experimental Brain Research*, 219, 107-120.

Kristjánsson, Á. (2012). Dynamic coding of temporal luminance variation. *Journal of the Optical Society of America, A: Optics, Image Science and Vision*, 29, 1180-1187.

Saevarsson, S., **Kristjánsson**, Á., Bach, M. & Heinrich, S.P. (2012). P300 in neglect. *Clinical Neurophysiology*, 123, 496–506.

2011

- Brascamp, J.W., Blake, R. & **Kristjánsson, Á.** (2011). Deciding where to attend: priming of pop-out drives target selection. *Journal of Experimental Psychology: Human Perception & Performance*, 37, 1700-1707.
- Rorden, C., **Kristjánsson, Á.**, Pirog-Revell, K. & Saevarsson, S. (2011). Neural Correlates of Inter-trial Priming and Role-Reversal in Visual Search. *Frontiers in Human Neuroscience*, 5, 151.
- Kristjánsson, Á.** (2011). The intriguing interactive relationship between visual attention and saccadic eye movements. In S. Everling, I.D. Gilchrist & S. Liversedge (eds), *The Oxford Handbook on Eye Movements*. Oxford: Oxford University Press.
- Brascamp, J.W., Pels, E. & **Kristjánsson, Á.** (2011). Priming of pop-out on multiple time scales during visual search. *Vision Research*, 51, 1972-1978.
- Ásgeirsson, Á.G. & **Kristjánsson, Á.** (2011). Episodic retrieval and feature facilitation in intertrial priming of visual search. *Attention, Perception & Psychophysics*, 73, 1350-1360.
- Kristjánsson, Á.** (2011). The Functional Benefits of Tilt Adaptation. *Seeing and Perceiving*, 24, 37-51.
- Saevarsson, S., Halsband, U. & **Kristjánsson, Á.** (2011). Designing rehabilitation programs for neglect: Could 1+1 be more than 2? *Applied Neuropsychology*, 18, 95-106.

2010

- Kristjánsson, Á.**, Eyjólfsdóttir, K.Ó., Jónsdóttir, A. & Arnkelsson, G.B. (2010). Temporal consistency is currency in shifts of transient attention. *PLoS ONE*, 5, e13660.
- Kristjánsson, Á.**, Sigurjónsdóttir, Ó. & Driver, J. (2010). Fortune and reversals of fortune in visual search: Reward contingencies for pop-out targets affect search efficiency and target repetition effects. *Attention, Perception & Psychophysics*, 72, 1229-1236.
- Kristjánsson, Á.** (2010). Priming in visual search: A spanner in the works for Theeuwes's bottom-up sweeps. *Acta Psychologica*, 135, 114-116.
- Saevarsson, S., **Kristjánsson, Á.** & Halsband, U. (2010). Strength in numbers: Combining neck vibration and prism adaptation produces additive therapeutic effects in unilateral neglect. *Neuropsychological Rehabilitation*, 20, 704-724.
- Kristjánsson, Á.** & Vuilleumier, P. (2010). Disruption of spatial memory in visual search in the left visual field in patients with hemispatial neglect. *Vision Research*, 50, 1426-1435.
- Kristjánsson, Á.** & Campana, G. (2010). Where perception meets memory: A review of priming in visual search. *Attention, Perception & Psychophysics*, 72, 5-18.

2009

- Kristjánsson, Á.**, Bjarnason, A., Hjaltason, Á.B. & Stefánsdóttir, B.G. (2009). Priming of luminance defined motion direction in visual search. *Attention, Perception & Psychophysics*, 71, 1027-1041.
- Kristjánsson, Á.** (2009). Learning in shifts of transient attention improves recognition of parts of ambiguous figure-ground displays. *Journal of Vision*, 9(4), 21, 1-11.
- Saevarsson, S., **Kristjánsson, Á.**, Hildebrandt, H. & Halsband, U. (2009). Prism adaptation improves visual search in hemispatial neglect. *Neuropsychologia*, 47, 717-725.
- Kristjánsson, Á.** (2009). Independent and additive repetition priming of motion direction and color in visual search. *Psychological Research*, 73, 158-166.

2008

- Kristjánsson, Á & Driver, J. (2008).** Priming in visual search: Separating the effects of target repetition, distractor repetition and role-reversal. *Vision Research*, *48*, 1217-1232.
- Sigurðardóttir, H.M., **Kristjánsson, Á.** & Driver, J. (2008). Repetition streaks increase perceptual sensitivity in brief visual search displays. *Visual Cognition*, *16*, 643-658.
- Kristjánsson, Á.** & Sigurðardóttir, H.M. (2008). On the benefits of transient attention across the visual field. *Perception*, *37*, 747-764.
- Kristjánsson, Á.**, Ingvarsdóttir, Á. & Teitsdóttir, U.D. (2008). Object- and feature-based priming in visual search, *Psychonomic Bulletin & Review*, *15*, 378-384.
- Saevarsson, S., Jóelsdóttir, S., Hjaltason, H. & **Kristjánsson, Á.** (2008). Repetition of distractor sets improves visual search performance in hemispatial neglect. *Neuropsychologia*, *45*, 1161-1169.
- Kristjánsson, Á.** (2008). “I know what you did on the last trial” - a selective review of research on priming in visual search. *Frontiers in Bioscience* *13*, 1171-1181.

2007

- Ruff, C.C., **Kristjánsson, Á.** & Driver, J. (2007). Readout from iconic memory involves similar neural processes as selective spatial attention. *Psychological Science*, *18*, 901-909.
- Kristjánsson, Á.**, Vuilleumier, P., Schwartz, S., Macaluso, E. & Driver, J. (2007). Neural basis for priming of pop-out revealed with fMRI. *Cerebral Cortex*, *17*, 1612-1624.
- Edelman, J., **Kristjánsson, Á.** & Nakayama, K. (2007). The influence of object-relative visuomotor set on express saccades. *The Journal of Vision*, *7(6):12*, 1-13.
- Kristjánsson, Á.** (2007). Saccade landing point selection and the competition account of pro- and antisaccade generation: The involvement of visual attention – A review. *Scandinavian Journal of Psychology*, *48*, 97-113.

2006

- Geng, J.J., Eger, E., Ruff, C.C., **Kristjánsson, Á.**, Rotshtein, P., & Driver, J (2006). Attentional selection from competing stimuli in opposite visual fields: Control processes and effects on visual activations revealed with fMRI. *Journal of Neurophysiology*, *96*, 2601-2612.
- Kristjánsson, Á.** (2006). Surface assignment modulates object-formation for visual short-term memory. *Perception*, *35*, 861-881
- Kristjánsson, Á.** (2006). Simultaneous priming along multiple feature dimensions in a visual search task. *Vision Research*, *46*, 2554–2570.
- Kristjánsson, Á.** (2006). Rapid learning in attention shifts - A review. *Visual Cognition*, *13*, 324-362.

2005

- Kristjánsson, Á.**, Vuilleumier, P., Malhotra, P., Husain, M., & Driver, J. (2005). Priming of color and position during visual search in unilateral spatial neglect. *Journal of Cognitive Neuroscience*, *17*, 859-873.
- Wang, D., **Kristjánsson, Á.** & Nakayama, K. (2005). Efficient visual search without top-down or bottom-up guidance. *Perception & Psychophysics*, *67*, 239-253.

2004

- Kristjánsson, Á.,** Vandenbroucke, M. og Driver, J. (2004). When pros become cons for anti versus prosaccades. *Experimental Brain Research*, 155, 231-244.
- Nakayama, K., Maljkovic, V. & **Kristjánsson, Á.** (2004) Short term memory for the rapid deployment of visual attention. In M.S. Gazzaniga (ed.), *The Cognitive Neurosciences*, 3rd edition. Cambridge, MA, USA: MIT Press.

2003

- Kristjánsson Á.** & Nakayama K. (2003). A primitive memory system for the deployment of transient attention. *Perception & Psychophysics*, 65, 711-724.

2002

- Kristjánsson Á.** & Nakayama K. (2002). The attentional blink in space and time. *Vision Research*, 42, 2039-2050.
- Kristjánsson, Á.,** Wang, D. & Nakayama K. (2002). The role of priming in conjunctive visual search. *Cognition*, 85, 37-52.

2001

- Kristjánsson, Á.,** Chen, Y. & Nakayama, K. (2001). Less attention is more in the preparation of antisaccades but not prosaccades. *Nature Neuroscience*, 4, 1037-1042.
- Kristjánsson, Á.,** Mackeben, M. & Nakayama, K. (2001). Rapid, object based learning in the deployment of transient attention. *Perception*, 20, 1375-1387.
- Kristjánsson, Á.** (2001). Increased sensitivity to speed changes during adaptation to first-order, but not to second-order motion. *Vision Research*, 41, 1825-1832.
- Kristjánsson, Á.** & Tse, P.U. (2001). Curvature discontinuities are cues for rapid shape analysis. *Perception & Psychophysics*, 63, 390-403.

2000

- Kristjánsson, Á.** (2000). In search of remembrance: Evidence for memory in visual search. *Psychological Science*, 11, 328-332.

6. Books:

- Árni Kristjánsson** (2012). *Innra Augað: Sálfræði hugar, heila og skynjunar*. Reykjavík: Háskólaútgáfan.
- Einar Guðmundsson & **Árni Kristjánsson** (2011). *Vinnulag í SPSS (Tilraunaútgáfa)*. Reykjavík: Háskólaútgáfan.
- Einar Guðmundsson & **Árni Kristjánsson** (2005). *Gagnavinnsla í SPSS*. Reykjavík: Háskólaútgáfan.

7. Book Chapters:

- Kristjánsson, Á.** (2011). The intriguing interactive relationship between visual attention and saccadic eye movements. In S. Everling, I.D. Gilchrist & S. Liversedge (eds), *The Oxford Handbook on Eye Movements*. Oxford: Oxford University Press.

Nakayama, K., Maljkovic, V. & **Kristjánsson, Á.** (2004) Short term memory for the rapid deployment of visual attention. In M.S. Gazzaniga (ed.), *The Cognitive Neurosciences*, 3rd edition. Cambridge, MA, USA: MIT Press.

8. Book Reviews in International Academic Journals:

Kristjánsson, Á. (2008). The Prehistory of Cognitive Science by A. Brook (ed.). *Perception*, 37, 1776-1778.

Kristjánsson, Á. (2007). Laws of seeing by W Metzger. *Perception*, 36, 635 - 636.

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Kristjánsson, Á. (2003). W. Prinz & B. Hommel (Eds.) Common mechanisms in perception and action: Attention and Performance XIX. *Perception*, 32, 125-126.

9. Other International Publications:

Wang D.L., Á. Kristjánsson, and K. Nakayama (2001). Efficient visual search without top-down or bottom-up guidance: A putative role for perceptual organization. *Technical Report 26, Center for Cognitive Science, The Ohio State University, Columbus, Ohio, USA.*

10. Scientific publications in peer-reviewed journals in Icelandic

Kristjánsson, Á. (2008). Hverjar eru birtingarmyndur samkeppni áreita í sjónsviði um athygli í heilastarfi *Rannsóknir í Félagsvísindum IX* (bls 523-533), Reykjavík: Félagsvísindastofnun Háskóla Íslands, Háskólaútgáfan.

Ásgeirsson, Á.G. & Kristjánsson, Á. (2008). Episodic retrieval accounts of priming in visual search explain only a limited subset of findings on priming. *Rannsóknir í Félagsvísindum IX* (bls 511-522), Reykjavík: Félagsvísindastofnun Háskóla Íslands, Háskólaútgáfan.

Árni Kristjánsson (2007). Að sá án þess að vita af því: Rannsóknir á ýfingarhrifum í gaumstoli. *Rannsóknir í Félagsvísindum VIII* (bls 505-514), Reykjavík: Félagsvísindastofnun Háskóla Íslands, Háskólaútgáfan.

Árni Kristjánsson (2006). Ýfing og nám í sjónskynjun: Lykill að stöðugleika í sjónskynjun mannsins? *Sálfræðiritið*, 10-11, 83-98.

Árni Kristjánsson & Heiða María Sigurðardóttir (2006). Ýfing í sjónleit: Rannsókn með aðferðum merkjagreiningar. *Rannsóknir í Félagsvísindum VII* (bls. 499-514), Reykjavík: Félagsvísindastofnun Háskóla Íslands, Háskólaútgáfan.

Árni Kristjánsson (2005). Taugakerfi tengd ýfingarhrifum í sjónskynjun: Niðurstöður úr taugasálfræði- og segulómmyndunarrannsóknum. *Læknablaðið*, 91, 345-351.

Árni Kristjánsson (2005). Forgrunnur, bakgrunnur, spegilmyndir og svareiginleikar sjónsvæða heilabarkar: Rannsókn með starfrænni segulómmyndun. *Rannsóknir í Félagsvísindum VI*.

Árni Kristjánsson (2004). “Hvað þú sást ræður því hvað þú sérð”: Taugakerfi tengd ýfingarhrifum í sjónskynjun. *Rannsóknir í Félagsvísindum V*.

10. Membership in Scientific Societies

Member, Association for Research in Vision and Ophthalmology.

Member, Vision Sciences Society.

Member, Cognitive Neuroscience Society.

Founding member and board member of the *Icelandic Society for Neuroscience* (Taugavísindafélag Íslands).

11. Post Hoc Reviews:

For Cerebral Cortex, Scientific Reports, Brain & Cognition, Nature: Human Behavior, Proceedings of the Royal Society, (B), Attention, Perception & Psychophysics, Cognition, Psychological Science, Perception, Trends in Cognitive Sciences, Perception & Psychophysics, Psychonomic Bulletin & Review, Experimental Brain Research, Journal of Cognitive Neuroscience, Visual Cognition, Journal of Experimental Psychology: HPP; Journal of Experimental Psychology: General, Consciousness & Cognition, Vision Research, Neurocomputing, Neuroimage, Journal of Neurophysiology, Neuropsychologia, Brain Research, Journal of Vision, Psychological Reports, BMC Neuroscience, PLOS Biology, iPerception, PLOS Computational Biology; Spatial Vision.

12. Citations

My scientific publications have been cited 4081 times According to Google Scholar (June 16th 2019). H – index = **37** (35 articles cited 37 or more times).