

Updated: 21. april 2021

Árni Gunnar Ásgeirsson

Office Address

Sólborg v. Norðurslóð 2
IS-600
Iceland

Address

Aðalstræti 15
IS-600 Akureyri
Iceland
(+354) 766 3029

EDUCATION

Ph.D., Experimental Psychology October 2014
University of Copenhagen, Denmark
Thesis: *A brief history of selection:
Effects of repetition and reward on visual cognition*

Magister Scientiarum, Psychology October 2010
University of Iceland, Reykjavík, Iceland
Thesis: *Accounting for priming in visual search*

Bacclareus Artium, Psychology October 2007
University of Iceland, Reykjavík, Iceland
Thesis: *Vernier acuity across the blind-spot and in the periphery* (Icelandic)

PROFESSIONAL EXPERIENCE

University of Akureyri, Iceland August 2020 – –
Dósent (Associate Professor)

University of Akureyri, Iceland 2018 – 2019
Head of Psychology Department

University of Akureyri, Iceland January 2017 – July 2020 –
Lektor (Assistant Professor)

Leiden University, The Netherlands February 2015 – December 2016
Postdoctoral researcher

Center for Visual Cognition, University of Copenhagen, Denmark September 2014 – January 2015
Research Assistant

Cognitive Neuroscience Research Unit, University of Aarhus, Denmark May – July 2014
Research Assistant

Department of Psychology, Aalborg University, Denmark February 2014 – June 2014
External Lecturer.

| | |
|--|----------------------------|
| Department of Psychology, University of Copenhagen, Denmark Ph.d. student – At Center for Visual Cognition – Supervisor: Claus Bundesen | November 2010 – March 2014 |
| Department of Nursing, University of Iceland Research Assistant | June – August 2010 |
| Department of Psychology, University of Iceland Research Assistant | June – August 2009 |
| Icelandic Web of Science (www.visindavefur.is) Freelance Researcher on Project: YOSCIWEB | March – May 2009 |
| Research Institute for Pharmaceutical Outcomes and Policy, University of Iceland Project manager: Drug wastage in Iceland | April – October 2008 |
| City of Reykjavík Temporary department manager at Byggðarendi 6 | March 2007– January 2008 |
| University of Iceland Teaching Assistant | January 2007 – June 2010 |
| National University Hospital of Iceland Employee at Laugarásvegur 71 | May – September 2006 |

PUBLICATIONS

Peer-reviewed publications:

- Kristjánsson, Á. & Ásgeirsson, Á. G. (in press). The moment-by-moment attentional temperature: How do history effects influence attentional capture?, *Visual cognition*. <https://doi.org/10.1080/13506285.2021.1918809>
- Ásgeirsson, Á. G. & Kristjánsson, Á. (2019). Attentional priming does not enable observers to ignore salient distractors, *Visual Cognition*, 27, 595-608. <https://doi.org/10.1080/13506285.2019.1657215>
- Jonauskaitė, D., Abdel-Khalek, A., Abu-Akel, A., Al-Rasheed, A.S., Antonietti, J-P., Ásgeirsson, Á.G., ..., Mohr, C. (2019). The sun is no fun without rain: Physical environments affect how we feel about yellow across 55 countries *Journal of Environmental Psychology*, 66, a101350. <https://doi.org/10.1016/j.jenvp.2019.101350>
- Ásgeirsson, Á. G. & Nieuwenhuis, S. (2019). Effects of arousal on biased competition in attention and short-term memory. *Attention, Perception & Psychophysics*, 81, 1901 – 1912. <https://doi.org/10.3758/s13414-019-01756-x>
- Kristjánsson, Á. & Ásgeirsson, Á. G. (2019). Attentional priming: Recent insights and current controversies. *Current Opinion in Psychology*, 29, 71–75, <https://doi.org/10.1016/j.copsyc.2018.11.013>
- Ásgeirsson, Á. G. & Nieuwenhuis, S. (2017). No arousal-biased competition in focused visuospatial attention. *Cognition*, 168,191–204. <https://doi.org/10.1016/j.cognition.2017.07.001>.
- Ásgeirsson, Á. G., Nordfang, M. & Sørensen, T. A. (2015). Components of attention in grapheme-color synesthesia: A modeling approach. *PLOS One*, 10(8), 1–19. <https://doi.org/10.1371/journal.pone.0134456>.
- Ásgeirsson, Á. G., Kristjánsson, Á. & Bundesen, C. (2015). Repetition priming in selective attention: A TVA analysis. *Acta Psychologica*, 160, 35–62. <https://doi.org/10.1016/j.actpsy.2015.06.008>.

- 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, 1–10. <https://doi.org/10.3389/fpsyg.2014.00309>.
- 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. <https://doi.org/10.3758/s13414-013-0546-6>
- Jóhannesson, Ó. I., Ásgeirsson, Á. G. & Kristjánsson, Á. (2012). Saccade performance in the nasal and temporal hemifields. *Experimental Brain Research*, 219, 107–120. <https://doi.org/10.1007/s00221-012-3071-2>
- Ásgeirsson, Á. G. & Kristjánsson, Á. (2011). Episodic retrieval and feature facilitation in intertrial priming of visual search. *Attention, Perception & Psychophysics*, 73, 1350–1360. <https://doi.org/10.3758/s13414-011-0119-5>

Published abstracts:

- Ásgeirsson, Á. G., Barckmann, C., Þórudóttir, S., & Jóhannesdóttir Petersen, M. (2018). Flexible visual memory coding revealed by probing method. *Journal of Vision*, 18, 829–829. <https://doi.org/10.1167/18.10.829>
- Ásgeirsson, Á., & Nieuwenhuis, S. (2017). No arousal-biased competition in visuospatial attention. *Journal of Vision*, 17, 961–961. <https://doi.org/10.1167/17.10.961>
- Ásgeirsson, Á. G. & Nieuwenhuis, S. (2016). Arousing brute force and alerting selectivity in visual attention. *Journal of Vision*, 16, 1022–1022. <https://doi.org/10.1167/16.12.1022>
- Sørensen, T. A., Nordfang, M., & Ásgeirsson, Á. G. (2016). Gradual consolidation of synesthesia during adolescence: a case study. *Journal of Vision*, 16, 460–460. <https://doi.org/10.1167/16.12.460>.
- Sørensen, T. A., Nordfang, M., & Ásgeirsson, Á. G. (2015). *Synesthesia induced colors do not bias attention in the same manners as physical colors do*. *Journal of Vision*, 15, 66–66. <https://doi.org/10.1167/15.12.66>
- Ásgeirsson, Á.G., Kristjánsson, Á., Einarsdóttir, K.V. & Bundesen, C. (2014). The color of money: Value-driven selectivity enhancements. *Journal of Vision*, 14, 499–499. <https://doi.org/10.1167/14.10.499>
- Sørensen, T.A., Ásgeirsson, Á.G., Staugaard, C.F. & Overgaard, M.S (2014). Dissociating Contents of Consciousness from Contents of Short-Term Memory *Journal of Vision*, 14, 1382. <https://doi.org/10.1167/14.10.1382>
- Sørensen, T. A., Nordfang, M., Pedersen, M. N., Overgaard, M. S., & Ásgeirsson, Á. G. (2013). Components of Attention in Synesthesia. *Journal of Vision*, 13, 1328-1328. <https://doi.org/10.1167/13.9.1328>
- Ásgeirsson, A., & Kristjánsson, A. (2013). When actions have no consequences: Rewards in visual search and the role of contingencies. *Journal of Vision*, 13, 898-898. <https://doi.org/10.1167/13.9.898>
- Ásgeirsson, Á., Kyllingsbæk, S., Kristjánsson, Á., & Bundesen, C. (2012). The weight of the visual world is modified by recent experience: Modeling repetition priming in a partial report task. *Journal of Vision*, 12, 931–931. <https://doi.org/10.1167/12.9.931>
- Ásgeirsson, Á., Kristjánsson, Á., Kyllingsbæk, S., Hrólfsdóttir, K., Hafþórsdóttir, H. & Bundesen C. (2011). Position priming in briefly presented search arrays. *Perception*, 40, (ECP Abstract Supplement), 109.
- Kristjánsson A, Jóhannesson O & Ásgeirsson A. (2011). Saccadic asymmetries in response to temporal versus nasal trigger stimuli depends upon attentional demands. *Perception*, 40, (ECP Abstract Supplement), 150.
- Ásgeirsson, Á., Aurich, M., & Kristjánsson, Á. (2010). Independent and additive effects of repetition of target and distractor sets in active visual search. *Journal of Vision*, 10, 1288. <https://doi.org/10.1167/10.7.1288>

- Almarsdóttir, A.B., & Ásgeirsson, Á.G. (2009). Unused Drugs in Iceland-Value of and Reasons for Disposal. In *Pharmacoepidemiology and Drug Safety*, 18, S231–S232.
- Ásgeirsson Á.G. & Kristjánsson Á, (2008). Episodic retrieval accounts of priming in visual search explain only a limited subset of findings on priming. *Perception*, 37, (ECP Abstract Supplement), 93.

Other publications:

- Sørensen, T.A., & Ásgeirsson, Á.G. (2013). Sansoplevelser i Hjernen-Synæstesi. *Psykologisk Set*, 30, 23–29.
- Ásgeirsson, Á.G. & Almarsdóttir, A.B. (2008). *Sóun lyfja á Ísland (Drug wastage in Iceland)*. Report written for Research Institute for Pharmaceutical Outcomes and Policy.
- Ásgeirsson, Á.G. & Kristjánsson, Á. (2008) Episodic retrieval accounts of priming in visual search explain only a limited subset of findings on priming. In Jóhannesson, G.P. & Björnsdóttir, H. *Rannsóknir í Félagsvísindum IX: Félags- og Mannvísindadeild, Félagsráðgjafardeild, Sálfræðideild og Stjórnmalaf-ræðideild*. Reykjavík: Author.

Presentations without publication:

- *No feature-based attention in additional singleton search*. August, 2019. Presented at the European Conference on Visual Perception, Leuven, Belgium.
- *A visual and cognitive examination of the SET card game*. (March, 2019). Presented at the 2nd Icelandic Vision lab meeting, Stykkishólmur, Iceland.
- *Revisiting the lack of top-down control of feature-based attention*. (October, 2018). Presented at the 1st Icelandic Vision Lab meeting, University of Akureyri, Akureyri, Iceland.
- *Synesthesia guided attention*. (December, 2017). Presented at the Symposium on Synaesthesia, Expertise and Multisensory Perception, Sino-Danish Center, Beijing, China
- *A new online screening tool for grapheme-color synesthesia*. (December, 2017). Presented at the Symposium on Synaesthesia, Expertise and Multisensory Perception, Sino-Danish Center, Beijing, China
- *Failure to replicate arousal-biased competition in divided visuospatial attention*. (August, 2016). Presented at JASP workshop, University of Amsterdam, Netherlands.
- *Visual selectivity is not enhanced by arousal*. (December, 2015). Presented at NVP Winter Congress, Egmond aan See, Netherlands.
- *Components of attention in synesthesia congruent processing*. (February, 2014). Presented at Synaesthesia in Perspective: Development, Networks, and Multisensory Processing, Hamburg, Germany.
- *When actions have no consequences*. (October 2013). Presented at Rovereto Attention Workshop, Rovereto, Italy.
- *TVA-based studies of priming in visual search*. (June 2012). Presented at The Meeting of the iTVA network, Copenhagen, Denmark.
- *Eftirtekt of augnhreyfingar: Áhrif af endurtekinni birtingu áreita í sjónleit*. (April 2010). Presented at the Annual meeting of the Icelandic Psychological Association.

TEACHING EXPERIENCE

University of Akureyri

- *Cognitive Psychology 2017, 2018 (Coordinator and primary lecturer)*
- *Cognitive Neuroscience 2017, 2018 (Coordinator and primary lecturer)*

- *Experimental Psychology 2017, 2018 spring, 2018 fall, 2019, 2020 (Coordinator and primary lecturer)*
- *General Psychology 2019, 2020 (lecturer)*
- *Sensation and Perception 2020 (coordinator and primary lecturer)*
- *Research Methods and Statistical Analysis 2020 (coordinator and primary lecturer)*
- *Coordinator of psychology BA project administration (2017–2018, 2019–2021)*
- *Bachelor’s Project Supervisor (13 projects, 2017-2021)*
- *MA project co-supervisor (student: Guðný Guðlaugsdóttir; Dept. education)*

Leiden University

- *International Bachelor’s Project supervisor*

University of Aalborg

- *Co-supervisor of phd student Thea Mannix*
- *Experimental Psychology (Primary lecturer)*
- *Introduction to Experimental Psychology (Primary lecturer)*

University of Copenhagen

- *Statistics 2011 (SPSS-statistics tutor; lectures and exercise sessions)*

University of Iceland

- *Secondary advisor to 6 BSc. students at the dept. Psychology.*
- *History of Psychology 2012 (managed mandatory discussion groups)*
- *Perception and Cognition A 2012 (a single guest lecture)*
- *Perception and Cognition B 2010 (two lectures, managed discussion groups, lab tutor, report and exam grading)*
- *Methodology 2010 (SPSS-statistics tutor; lectures, exercises, examination and grading)*
- *Perception and Cognition B 2009 (two lectures, managing discussion groups, lab tutoring, grading)*
- *Methodology 2009 (SPSS-statistics tutor; lectures, exercises, examination and grading)*
- *Perception and Cognition B 2008 (managed discussion groups, lab tutor, report grading)*
- *Introduction to Psychology 2007 (grading, managed discussions and revision sessions)*
- *Explaining Behavior 2007 (technical assistance, examination and grading)*
- *Perception and Cognition A 2007 (lab tutor, grading)*
- *PhD project co-supervisor (student: Sandra Þórudóttir; 2021 –)*

TECHNICAL SKILLS

- *Data analysis and programming: R, Matlab, Excel, JASP, Python, SPSS.*
- *Text editing: L^AT_EX, MS word, Rmarkdown.*
- *Referencing: B^IB_TE_X, Papers, Mendeley.*
- *Experimental programming: PsychToolbox, E-prime, OpenSesame, PsychoPy.*

- Research Tools: EyeLink 1000, CRS High Speed Eyetracker, Tobii, BioSemi EEG, BrainAmp EEG.
- Teaching Tools: canvas, moodle, panopto, piazza
- Communication: Teams, Canvas

PEER-REVIEW for

Journals:

- *Attention, Perception & Psychophysics*
- *Cognitive Neuroscience*
- *Journal of Cognitive Psychology*
- *Journal of Experimental Psychology: General*
- *Journal of Experimental Psychology: Human Perception and Performance*
- *Journal of Experimental Psychology: Learning, Memory and Cognition*
- *Perception*
- *PLoS One*

Funding agencies:

- RANNÍS - The Icelandic Centre for Research

GRANTS

- 2018 - RANNÍS: Infrastructure fund. Grant to purchase BrainAmp EEG equipment. ISK 2,666,000.-
- 2017 - Icelandic Student Innovation Fund. Grant to hire a student for the Development of an application to register grapheme-color associations in synesthesia ISK 699,000.-
- 2017 - Startup grant for the Perception and Performance Lab at the University of Akureyri. Funding agency: University of Akureyri Research Centre ISK 408,000.-
- 2016 - Co-applicant, Project: Synaesthesia – the Roles of Association Learning and of Differential Brain Development. Funding agency: Det Frie Forskingsråd DKK 6,355,713.-
- 2013 - Co-applicant, The Synesthesia Project. Funding agency: Kristian Holt-Hansen fonden DKK 70,000.-

EXTERNAL EXAMINATIONS

- 2017 – present - University of Iceland: Examiner of MSc./cand.psych dissertations
- 2021 - HSE University, Moscow: Examinor of MSc. thesis

MEMBERSHIPS

*Co-Principal Investigator at the Icelandic Vision Lab (www.visionlab.is)
Centre for Cognitive Neuroscience, Aalborg University
Vision Sciences Society
Founding Member of Icelandic Society for Neuroscience
iTVA Network
Cognitive Neuroscience Research Unit, Aarhus University
The Synesthesia Project (www.synesthesiaproject.wordpress.com)*

PRIMARY ACADEMIC INTERESTS

visual perception, visual cognition and attention, synesthesia, arousal and attention, visual memory, cognitive modeling, task history effects, experimental methodology, science communication.