

Árni Gunnar Ásgeirsson

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Curriculum Vitae — Updated: September 10, 2026

Office Address

University of Akureyri
Sólborg v. Norðurslóð 2
IS-600 Akureyri, Iceland

Personal Address

Barmahlíð 55
IS-105 Reykjavík
Iceland
(+354) 766 3029

Education

Ph.D. in Experimental Psychology

October 2014

University of Copenhagen, Denmark Thesis: A brief history of selection: Effects of repetition and reward on visual cognition

Magister Scientiarum (MS) in Psychology

October 2010

University of Iceland, Reykjavík, Iceland
Thesis: Accounting for priming in visual search

Baccalaureus Artium (BA) in 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 – present

Associate Professor (dósent)

University of Akureyri, Iceland

January 2017 – July 2020

Assistant Professor (lektor)

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

November 2010 – March 2014

Ph.D. Student

- At Center for Visual Cognition
- Supervisor: Prof. Claus Bundesen

Department of Nursing, University of Iceland

June – August 2010

Research Assistant

Department of Psychology, University of Iceland

June – August 2009

Research Assistant

Icelandic Web of Science (www.visindavefur.is)

March – May 2009

Freelance Researcher on Project: YOSCIWEB

Research Institute for Pharmaceutical Outcomes and Policy, University of Iceland April – October 2008
Project Manager: Drug wastage in Iceland

City of Reykjavík (Svæðisskrifstofa Málefna Fatlaðra) March 2007 – January 2008
Interim Department Manager at Byggðarendi 6, supported living residence

University of Iceland January 2007 – June 2010
Teaching Assistant

National University Hospital of Iceland May – September 2006
Employee at Laugarásvegur 71

Administrative Experience

Chair of the Curriculum and Credit Recognition Committee, Faculty of Psychology	2025 – present
Deputy Head of the Faculty of Psychology	2019; 2025 – 2026
Head of UNAK Appeals Committee (formaður kærunefndar)	2025
Head of the Faculty of Psychology (deildarforseti), UNAK	2023 – 2024
UNAK Steering Committee on Strategy Development (stýrihópur um stefnumótun)	2022 – 2023
Member of the Curriculum and Credit Recognition Committee, Faculty of Social Sciences	2017 – 2021
Bachelor's Thesis Coordinator, Faculty of Psychology, UNAK	2017 – 2021
Study Line Coordinator (brautarstjóri), UNAK	2018 – 2019

Publications

Peer-Reviewed Publications

- Sigurdardóttir, H. M., Árnason, D., Mäekalle, M., Vésteinsdóttir, V., & Ásgeirsson, Á. G. (2026). The Visual Imagery Visually Anchored Scale (VIVAS) reveals dissociable perceptual dimensions and category-specific structure. *Cortex*, 204, 319–335. doi:10.1016/j.cortex.2026.08.013
- Fuller, J.C.M., Kristjánsson, Á., Clarke, A., & Ásgeirsson, Á.G. (2026). Continuous feature foraging: Modelling probabilistic attentional selection in vision with a generative model. *Attention, Perception & Psychophysics*, 88, 95. doi:10.3758/s13414-026-03227-6
- Entzmann, L., Kristjánsson, Á., & Ásgeirsson, Á.G. (2025). Saccade endpoints reflect attentional templates in visual search: Evidence from feature distribution learning. *Journal of Vision*, 25, 18. doi:10.1167/jov.25.14.18
- Iakovlev, A., Khvostov, V., Ásgeirsson, Á.G., Utochkin, I., & Kristjánsson, Á. (2025). Amplification from saliency affects explicit but not implicit ensemble representations. *Attention, Perception & Psychophysics*, 87, 2059–2068. doi:10.3758/s13414-025-03121-7
- Khvostov, V., Ásgeirsson, Á.G., & Kristjánsson, Á. (2025). Explicit Access to Detailed Representations of Feature Distributions. *Psychonomic Bulletin & Review*. doi:10.3758/s13423-025-02716-3
- Entzmann, L., Ásgeirsson, Á.G., & Kristjánsson, Á. (2025). How does color distribution learning affect goal-directed visuomotor behavior? *Cognition*, 254, 106002. doi:10.1016/j.cognition.2024.106002
- Kristjánsson, Á., & Ásgeirsson, Á.G. (2021). The moment-by-moment attentional temperature: How do history effects influence attentional capture? *Visual Cognition*, 29, 583–586. doi: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. doi: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. doi: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. doi: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. doi: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. doi: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. doi: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. doi: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. doi: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. doi: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. doi: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. doi:10.3758/s13414-011-0119-5

Book Chapters

- Ásgeirsson, Á.G. (2022). Perceptuel hukommelse og priming. In Sørensen, T.A., Gjedde, A. & Rasmussen, R.S. (Eds.), *Hjernen og hukommelsen*. Hjerneforum.

Published Abstracts

- Heida Maria Sigurdardóttir, Dagur Árnason, Marelle Mäekalle, Vaka Vésteinsdóttir, & Árni Gunnar Ásgeirsson (2026). A visually anchored scale for visual imagery reveals dissociable perceptual dimensions and category-specific structure. *Perception* (in press). Presentation at ECVP, Bournemouth, August 2026.
- Ásgeirsson, Á.G., Gunnarsdóttir, H.B., Ólafsdóttir, H., Ólafsdóttir, I.M., & Sigurðardóttir, H.M. (2025). No evidence for enhanced sensory imagery in synaesthetes using Psi-Q assessment. *Perception*, (in press). Presentation at ECVP, Mainz, August 2025.
- Khvostov, V., Golomb, J., Ásgeirsson, Á.G., & Kristjánsson, Á. (2025). Explicit access to detailed feature distribution representations. *Journal of Vision*, 25, 2153. doi:10.1167/jov.25.9.2153
- Khvostov, V., Ásgeirsson, Á.G., & Kristjánsson, Á. (2024). Does selective attention utilize physical feature values or perceptual interpretations? *Journal of Vision*, 24, 547. doi:10.1167/jov.24.10.547
- Entzmann, L., Kristjánsson, Á., Baldvinson, J., & Ásgeirsson, Á.G. (2024). Color distribution learning modulates saccade endpoints: a study of the global effect. *Journal of Vision*, 24, 515. doi:10.1167/jov.24.10.515
- Khvostov, V., Ásgeirsson, Á.G., & Kristjánsson, Á. (2023). Are attentional templates based on physical feature values or perceptual interpretations? *Journal of Vision*, 23(9), 5136. doi:10.1167/jov.23.9.5136
- Entzmann, L., Ásgeirsson, Á.G., & Kristjánsson, Á. (2023). How does color distribution learning affect oculomotor selection? *Journal of Vision*, 23(9), 5087. doi:10.1167/jov.23.9.5087
- Magerl Fuller, J., Khvostov, V., Kristjánsson, Á., & Ásgeirsson, Á.G. (2023). Probabilistic attentional selection during continuous visual search. *Journal of Vision*, 23, 5663. doi:10.1167/jov.23.9.5663

- Ásgeirsson, Á.G., & Kristjánsson, Á. (2019). No feature-based attention in additional singleton search. *Perception*, 48(2S), 47–48. doi:10.1177/0301006619863862
- Ásgeirsson, Á.G., Barckmann, C., Þórudóttir, S., & Jóhannesdóttir Petersen, M. (2018). Flexible visual memory coding revealed by probing method. *Journal of Vision*, 18, 829. doi:10.1167/18.10.829
- Ásgeirsson, Á., & Nieuwenhuis, S. (2017). No arousal-biased competition in visuospatial attention. *Journal of Vision*, 17, 961. doi: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. doi: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. doi: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. doi: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. doi: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. doi: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. doi:10.1167/13.9.1328
- Asgeirsson, A., & Kristjansson, A. (2013). When actions have no consequences: Rewards in visual search and the role of contingencies. *Journal of Vision*, 13, 898. doi: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. doi: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.
- Kristjansson, A., Johannesson, O., & Asgeirsson, 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. doi:10.1167/10.7.1288
- Almarsdóttir, A.B., & Ásgeirsson, Á.G. (2009). Unused Drugs in Iceland-Value of and Reasons for Disposal. *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). Sanseoplevelser i Hjernen-Synæstesi. *Psykologisk Set*, 30, 23–29.
- Ásgeirsson, Á.G., & Almarsdóttir, A.B. (2008). Sóun lyfja á Íslandi (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 Stjórn-málafræðideild*. Reykjavík: Author.

Presentations Without Publication

- Ásgeirsson, Á.G. (2025). *The limits of feature distribution learning: Saccade endpoints only reflect the summary statistics of the visual environment*. Nordic Vision Science Network meeting, Bergen.

- Ásgeirsson, Á.G. (2024). *Statistical regularities guide attentional orienting*. Mini symposium on Synaesthesia, Perception, and Individual Differences, Aalborg, Denmark, March 6–7, 2024. Talk presentation. *Verkaskipting á íslenskum heimilum*. (June, 2023). Presented at the conference *Íslenska Þjóðfélagið*, Akureyri, Iceland.
- Ásgeirsson, Á.G. (2021). *No synesthetic pop-out in visual search: another nail in the coffin of the superpower hypothesis*. (June, 2021). Presented at the Second Icelandic Vision Lab summer symposium, Laugarvatn, Iceland.
- Ásgeirsson, Á.G. (2019). *No feature-based attention in additional singleton search*. (August, 2019). Presented at the European Conference on Visual Perception, Leuven, Belgium.
- Ásgeirsson, Á.G. (2019). *A visual and cognitive examination of the SET card game*. (March, 2019). Presented at the 2nd Icelandic Vision lab meeting, Stykkishólmur, Iceland.
- Ásgeirsson, Á.G. (2018). *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.
- Ásgeirsson, Á.G. (2017). *Synaesthesia guided attention*. (December, 2017). Presented at the Symposium on Synaesthesia, Expertise and Multisensory Perception, Sino-Danish Center, Beijing, China.
- Ásgeirsson, Á.G. (2017). *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.
- Ásgeirsson, Á.G. (2016). *Failure to replicate arousal-biased competition in divided visuospatial attention*. (August, 2016). Presented at JASP workshop, University of Amsterdam, Netherlands.
- Ásgeirsson, Á.G. (2015). *Visual selectivity is not enhanced by arousal*. (December, 2015). Presented at NVP Winter Congress, Egmond aan Zee, Netherlands.
- Ásgeirsson, Á.G. (2014). *Components of attention in synesthesia congruent processing*. (February, 2014). Presented at Synaesthesia in Perspective: Development, Networks, and Multisensory Processing, Hamburg, Germany.
- Ásgeirsson, Á.G. (2013). *When actions have no consequences*. (October, 2013). Presented at Rovereto Attention Workshop, Rovereto, Italy.
- Ásgeirsson, Á.G. (2012). *TVA-based studies of priming in visual search*. (June, 2012). Presented at The Meeting of the iTVA network, Copenhagen, Denmark.
- Ásgeirsson, Á.G. (2010). *Eftirtekt og 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

- Advanced Research Methods in Psychology (MS level) 2022, 2024 (lecturer)
- Cognitive Psychology 2017, 2018, 2019, 2020 (coordinator and primary lecturer)
- Cognitive Neuroscience 2017, 2018 (coordinator and primary lecturer)
- Experimental Psychology 2017, 2018 spring, 2018 fall, 2019, 2020, 2022, 2023, 2024 (coordinator and primary lecturer)
- Foundations of Psychology 2024 (lecturer)
- Foundations of Statistical Analysis 2024, 2025, 2026 (coordinator and lecturer)
- General Psychology 2019, 2020 (lecturer)
- Research Methods and Statistical Analysis 2020 (coordinator and primary lecturer)
- Sensation and Perception 2020, 2022 (coordinator and primary lecturer)
- Coordinator of psychology BA project administration (2017–2018, 2019–2021)
- Bachelor's Project Supervisor (Approx. 30 projects, 2017–2026)
- MA project co-supervisor (student: Guðný Guðlaugsdóttir; Dept. Education)

Leiden University

- International Bachelor's Project supervisor (2 projects)

University of Aalborg

- Co-supervisor of PhD student Thea Mannix (2019 – present)
- Experimental Psychology 2014 (primary lecturer)
- Introduction to Experimental Psychology 2014 (primary lecturer)

University of Copenhagen

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

University of Iceland

- Methodology 2025, course coordinator and primary lecturer
- Academic supervisor of PhD student Jennifer Magerl (2023 – present)
- PhD co-supervisor of Aleksei Iakovlev (graduated; 2023–2024)
- Co-supervisor of post-doc Léa Entzmann (2023–2024)
- Co-supervisor of post-doc Vladislav Khvostov (2023–2024)
- Secondary advisor to 7 BSc. students at the Department of Psychology
- History of Psychology 2012 (managed discussion groups)
- Perception and Cognition A 2012 (guest lecture)
- Perception and Cognition B 2010 (two lectures, managed discussion groups, lab tutor, report and exam grading)
- Methodology 2009, 2010 (SPSS-statistics tutor; lectures, exercises, examination, and grading)
- Perception and Cognition B 2009 (two lectures, managed discussion groups, lab tutoring, 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)

Peer Review

Journals

- *Attention, Perception & Psychophysics*
- *Behavioural Research Methods*
- *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*
- *Netla - veftímarit um uppeldi og menntun*
- *Perception*
- *PLOS One*
- *Psychological Reports*

Funding Agencies

- RANNÍS - The Icelandic Centre for Research

Grants

- **2022** – RANNÍS: Icelandic Research Fund. Project: *Probabilistic Attentional Selection* (3 years). Joint application with Árni Kristjánsson, University of Iceland. **ISK 63.000.000**
- **2022** – University of Akureyri Research Centre **ISK 700.000**
- **2018** – RANNÍS: Infrastructure fund. Grant to purchase BrainAmp EEG equipment. **ISK 2.666.000**

- **2017** – Icelandic Student Innovation Fund. Grant 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 401.000**
 - **2016** – Co-applicant, Project: *Synaesthesia – the Roles of Association Learning and of Differential Brain Development*. Funding agency: *Det Frie Forskningsråd*. **DKK 6.355.713**
 - **2013** – Co-applicant, *The Synesthesia Project*. Grant to start synesthesia research at the University of Copenhagen. Funding agency: *Kristian Holt-Hansen fonden*. **DKK 70.000**
-

External Examinations

- **2026** – University of Iceland – Opponent at the doctoral defense of Kristjana Þórarinsdóttir (June 2026)
 - **2026** – University of Iceland – Opponent at MS thesis defense of Björk Reynisdóttir (May 2026)
 - **2024** – Aalborg University, Denmark: Examiner of applicants for tenure-track position at the Department of Psychology
 - **2024** – University of Iceland – Opponent at MS thesis defense of Marelle Mäekelle (October 2024)
 - **2021** – HSE University, Moscow: Examiner of MS thesis of Sofia Le
 - **2020** – University of Iceland – Opponent at MS thesis defense of Sandra Þórudóttir (October 2020)
 - **2017 – 2020** – University of Iceland: Examiner of several MSc. / cand.psych. dissertations
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Memberships

Founding member of the Nordic Vision Science Network
 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
 The Synesthesia Project (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 ● Visual Imagery ● Aphantasia & Hyperphantasia ● Human Performance ● Visual Foraging