

DR NIKA ADAMIAN

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EMPLOYMENT

2017 — 2020 Postdoctoral Research Fellow / University of Aberdeen

Project: A quantitative framework of attentional selection (supervisor: Dr. Søren Andersen)

2020 — 2023 Leverhulme Early Career Fellow / University of Aberdeen

Project: Feature-based attentional selection in dynamic vision

EDUCATION

Université Paris Descartes, Doctoral school "Cognitions, Comportements & Conduites Humaines" 2014-2017

PhD in Cognitive Neuroscience

Supervisor: Prof. Patrick Cavanagh

Thesis title: Predictive position coding: attentional account of motion-induced position shifts

University of Oxford, Department of Experimental Psychology, 2012-2013

MSc in Psychological Research

Supervisor: Prof. Mark Stokes

Thesis title: The Role of Alpha-band Oscillations in Preparatory Attention

Saint Petersburg State University, Department of Psychology, 2008-2012

BA in Psychology (with distinction)

Supervisor: Dr. Maria Kuvaldina

Thesis title: "The Role of Expectation in Inattentional Blindness"

PUBLICATIONS

Adamian, N., Andersen, SK (*submitted*) Steady-state visual evoked potentials as a measure of feature-based attention: a metaanalysis

Adamian, N., Cavanagh, P (*accepted*) Spatial attention improves object localization in flash grab illusion.

Adamian, N., Hillyard, SA., Andersen, SK. (2019) Parallel attentional facilitation of features and objects in early visual cortex. *Psychophysiology*

Coffey, K., **Adamian, N.**, Blom, T., van Heusden, E., Cavanagh, P., Hogendoorn, H. (2019) "Expecting the unexpected: Temporal expectation increases the flash-grab effect" *Journal of Vision* 2019;19(13):9

Seizova-Cajic T., **Adamian, N.**, Duyck, M., Cavanagh, P. (2019). Motion-induced scotoma. *Perception*, 48(2), 115-137.

Adamian, N., Slaustaitė, E., Andersen, SK. (2019) Top-down attention is limited within but not between feature dimensions. *Journal of Cognitive Neuroscience*, 31(8), 1173-1183

Adamian, N., Cavanagh, P. (2017) Fröhlich effect and delays of visual attention. *Journal of Vision* 2017;17(1): 3. doi: 10.1167/17.1.3

Noonan, M. P., **Adamian, N.**, Pike, A., Printzlau, F., Crittenden, B. M., Stokes, M. G. (2016) Distinct mechanisms for distractor suppression and target facilitation. *Journal of Neuroscience* 36(6), p. 1797 – 1807

Adamyan N., Kuvaldina M. (2014) Be Prepared: The Effect of Expectations on Inattentional Blindness. *The Russian Journal of Cognitive Science* 1.3 (2014): 4-12.

TEACHING EXPERIENCE

University of Aberdeen, School of Psychology (2018-now)

- Advanced Research Methods for Postgraduates: Data Visualisation module
- Methodology (Level 3 undergraduate course)
- Undergraduate thesis co-supervision
Dissertation project “Neural mechanisms of attention modulation across set sizes during multiple object tracking”
- Summer project supervision
Project “Sustained effects of conflict monitoring on feature-based visual attention”

CONFERENCE PROCEEDINGS

- Andersen, SK., **Adamian, N.**, Lemarchand, R. (2019) Attentional facilitation of tracked targets limits multiple object tracking performance. [Abstract] *Perception*
- Adamian, N.**, Andersen, SK. (2019) Comparing the effects of feature-based attention on SSVEPs and behaviour [Abstract] *Perception*
- Adamian, N.**, Andersen, SK. (2019) SSVEP correlates of feature-based attention: a drift-diffusion study [Abstract] *i-Perception*
- Adamian, N.**, Slaustaitė, E., Andersen, SK. (2017) Feature-based selection is unaffected by dividing spatial attention. [Abstract] *Perception*
- Cavanagh, P., **Adamian, N.**, Duyck, M., Seizova-Cajic, T (2016) Perceptual gap closing induced by motion context. [Abstract] *Perception*
- Adamian, N.**, & Cavanagh, P. (2016) Motion induced distortion of shapes. [Abstract] *Perception*
- Adamian, N.**, & Cavanagh, P. (2016) Localization of flash grab targets is improved with sustained spatial attention. [Abstract] *Journal of vision*
- Adamian, N.**, & Cavanagh, P. (2015). Motion-induced position shifts smaller across the vertical and horizontal meridians. [Abstract] *Perception* 44, p.238
- Adamian, N.**, & Cavanagh, P. (2015). Speed of visual attention and localization of motion onset. [Abstract] *Journal of vision*, 15(12), 1178-1178.
- Adamyan N.**, Kuvaldina M. (2012) Task congruency in inattention blindness. [Abstract] *Perception* 41, p. 142
- Kuvaldina M., **Adamyan N.** (2012) Is the relevance of the critical object Irrelevant for the Inattentional Blindness? [Abstract] *Perception* 41, p.146

RESEARCH SKILLS

Visual psychophysics	Programming in MATLAB (advanced)
EEG/ERP/SSVEP	Programming in R (intermediate)
Eye tracking	Model-based data analysis

AWARDS

- Leverhulme Trust Early Career Fellowship (2020-2023)
- Travel award for participation in the workshop “Advanced Methods for Reproducible Science”, 2019
- Discovering Research Award prize (summer internship supervision)
- Travel award for participation in the Summer School “Perceptual organization: Interdisciplinary approaches and research skills”, University of Leuven, 2014
- Humphrey Prize for the best Research Project on the MSc Psychological Research 2012-2013
- Hill Foundation Scholarship for studying at the University of Oxford (2012-2013)
- Departmental Fellowship – Saint Petersburg State University, 2012
- University Award for high-achieving students – Saint Petersburg State University, 2011
- Departmental Fellowship – Saint Petersburg State University, 2011

V. Potanin Fund Scholarship for Excellence and Leadership, 2009/10

OTHER PROJECTS

EEG ManyLabs (contributor)

Assessing the credibility of results of some of the most important and influential experiments in the field through a global network of labs

Think Cognitive Think Science (co-founder)

Non-governmental support fund for Russian students studying cognitive science. We provide grants, organise summer schools and workshops.