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

Pavlov, Y. G., **Adamian, N.,** Appelhoff, S., Arvaneh, M., Benwell, C., Ph.D., Beste, C., … Mushtaq, F. #EEGManyLabs: Investigating the Replicability of Influential EEG Experiments. https://doi.org/10.31234/osf.io/528nr

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., Slaustaite, 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"
  Dissertation project "Presentation duration in crowding: an online study"
- Summer project supervision
  Project "Sustained effects of conflict monitoring on feature-based visual attention"

Higher School of Economics, Moscow (November 2020 – April 2021)

- Visiting lecturer

CONFERENCE PROCEEDINGS

Adamian, N., Andersen, SK (2021) Attentional modulation in early visual cortex: a combined re-analysis of steady-state visual evoked potential studies.

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., Slaustaite, 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 inattentional 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
EEG/ERP/SSVEP
Eye tracking
Programming in MATLAB (advanced)
Programming in R (intermediate)
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)

Asessing 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.