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# LINA SKORA, PHD

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Biological Psychology of Decision Making, Institute for Experimental Psychology

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## ACADEMIC POSITIONS

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Aug 2021 – present **Postdoctoral Researcher**

Biological Psychology of Decision Making, Institute for Experimental Psychology, Heinrich Heine University Düsseldorf, Germany.

Sept 2020 – present **Visiting Research Fellow**

School of Psychology, University of Sussex, UK.

Jan 2021 – May 2021 **Visiting Postdoctoral Fellow (award)**

Neurology Department, Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, Germany.

Sept 2020 – Dec 2020 **Postdoctoral Research Associate**

School of Informatics & Sackler Centre for Consciousness Science, University of Sussex, UK.

Sept 2017 – Dec 2020 **Teaching Associate**

School of Psychology, University of Sussex, UK.

## FORMAL EDUCATION

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Sept 2017 – Sept 2020 **PhD in Psychology, School of Psychology & Sackler Centre for Consciousness Science University of Sussex, UK**

**Supervisors:** Dr Ryan Scott, Dr Daniel Campbell-Meiklejohn, Prof Anil Seth

**Thesis:** The role of body, action, and consciousness in shaping adaptive interactions with the world: An investigation of unconscious instrumental learning.

Sept 2014 – Sept 2015 **MSc Social Cognition: Research and Applications, University College London**

**Qualification: Distinction**

**Supervisor:** Dr Eva Krumhuber

**Thesis:** Dynamic facial expressions of emotion: A methodological and experimental challenge to stimuli sets for emotion expression research (Awarded grade: 85%)

Sept 2011 – May 2014 **BSc Psychology (with Management), St. Mary's University, London**

**Qualification: 2.1 (Honours)**

**Supervisor:** Dr Peary Brug

**Thesis:** Universality of facial expressions of emotion (Awarded grade: 71%)

## PREVIOUS RESEARCH EXPERIENCE

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Mar 2017 – Sept 2017 **Research Assistant**

Dr John Michael's group, Mind and Action Research Centre, University of Warwick, UK

Aug 2015 – Mar 2017 **Behavioural Science Consultant**

The Hunting Dynasty (Behavioural Insights and Communications), London, UK

May 2014– Aug 2014 **Research Assistant (voluntary)**

Dr Eva Krumhuber's Emotion and Facial Expressions Lab  
Experimental Psychology Department, University College London, UK

## **OTHER ACADEMIC DEVELOPMENT**

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March 2020 Computational Bayesian Modelling course, Freie Universität Berlin, Germany  
September 2019 Oxford | Berlin Summer School on Open Research, University of Oxford, England  
July 2018 ERP Boot Camp, University of Birmingham, England  
April 2018 FSL Course, FMRIB, University of Oxford. England  
August 2017 Computational Psychiatry Summer School, ETH Zürich, Switzerland  
July 2017 Computational Psychiatry Course, University College London, England

## **PUBLICATIONS**

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11. **Skora, L. I.**, Livermore, J., & Roelofs, K. (2022). Functional role of cardiac activity in perception and action. *Neuroscience and Biobehavioral Reviews*. <https://doi.org/10.1016/j.neubiorev.2022.104655>
10. Krumhuber, E., **Skora, L. I.**, Hill, H., & Lander, K. (*under review*). The role of facial movements in emotion recognition. *Nature Reviews Psychology*.
9. **Skora, L. I.**, Livermore, J., Nisini, F., & Scott, R. B. (2022). Awareness is required for autonomic performance monitoring in instrumental learning: Evidence from cardiac activity. *Psychophysiology*. <https://doi.org/10.1111/psyp.14047>
8. **Skora, L. I.**, Seth, A. K., & Scott, R. B. (2021). Sensorimotor predictions shape reported conscious visual experience in a breaking-Continuous Flash Suppression task. *Neuroscience of Consciousness*. <https://doi.org/10.1093/nc/niab003>
7. **Skora, L. I.**, Yeomans, M. R., Crombag, H. S., & Scott, R. B. (2021). Evidence that instrumental conditioning requires conscious awareness in humans. *Cognition*. <https://doi.org/10.1016/j.cognition.2020.104546>
6. Paciorek, A.\*, & **Skora, L. I.\*** (2020). Vagus nerve stimulation as a gateway to interoception. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2020.01659>  
\*joint first authorship
5. **Skora, L. I.**, Livermore, J., Dienes, Z., Seth, A. K., & Scott, R. B. (*in-principle accepted*). Feasibility of unconscious instrumental conditioning: A Registered Replication. *Cortex*. <https://osf.io/p9dgn>
4. Krumhuber, E. G., Küster, D., Namba, S., & **Skora, L.** (2020). Human and machine validation of 14 databases of dynamic facial expressions. *Behavior Research Methods*. <https://doi.org/10.3758/s13428-020-01443-y>
3. Krumhuber, E. G., & **Skora, L.** (2018). Perceptual study on facial expressions. In B. Müller & S. I. Wolf (Eds.), *Handbook of human motion*. Berlin: Springer.
2. Dente, P., Küster, D., **Skora, L.**, & Krumhuber, E. G. (2017). Measures and metrics for automatic emotion classification using FACET. In Bryson, J., De Vos, M., & Padget, J. (Eds.), *Proceedings of the AISB Annual Convention, Symposium on Computational Modelling of Emotion* (pp. 160-163). Bath, UK.
1. Krumhuber, E. G., **Skora, L.**, Küster, D., & Fou, L. (2016). A review of dynamic datasets for facial expression research. *Emotion Review*. <https://doi.org/10.1177/1754073916670022>

## **PUBLICATIONS IN PREPARATION**

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4. **Skora, L. I.**, Jocham, G., & Scott, R. B. (*in preparation*). Unconscious instrumental behaviour fails even after conscious instrumental learning (working title).
3. **Skora, L. I.**, Al, E., & Villringer, A. (*in preparation*). The role of dynamic cardiac regulation in adaptive learning: Evidence from heartbeat-evoked potentials (working title).

2. Livermore, J. J. A., **Skora, L.**, Adamatzky, K., & Campbell-Meiklejohn, D. (*in preparation*). Neural correlates of serotonergic effects on interoception (working title).
1. **Skora, L. I.**, Mariola, A., Wojciechowski, J., Szulczewski, M., Kowalski, B., Seth, A., K., Scott, R. B., & Paciorek, A. (*in preparation*). Vagus nerve stimulation as an attention-independent tool for manipulating cardioceptive precision.

## CONFERENCE PRESENTATIONS

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### Oral presentations:

**Skora, L. I.**, Yeomans, M. R., Crombag, H. S., & Scott, R. B. (2021, July). Evidence that instrumental conditioning requires conscious awareness in humans. Talk presented at the annual meeting of the *Association for the Scientific Study of Consciousness (ASSC)*, Tel Aviv, Israel.

**Skora, L.**, Seth, A. K., & Scott, R. B. (2019, July). Investigating subjective conscious experience as prediction of own responses. Talk presented at *The Predictive Brain: From Perception to Awareness (part of Sensation Sussex)*, Brighton, UK.

**Skora, L.**, Campbell-Meiklejohn, D., Seth, A. K., & Scott, R. B. (2019, June). The effect of interoceptive feedback and interoceptive accuracy on unconscious instrumental learning. **Invited talk** presented at *8<sup>th</sup> Implicit Learning Seminar*, Tromsø, Norway.

**Skora, L.**, Seth, A. K., & Scott, R. B. (2018, October). Subjective visual experience is related to prediction of own responses. Talk presented at *Disself: (Dis)Embodied Perception of Self and Other Meeting*, Porto, Portugal.

**Skora, L.**, Campbell-Meiklejohn, D., Seth, A. K., & Scott, R. B. (2018, June). The effect of interoceptive feedback and interoceptive accuracy on unconscious instrumental conditioning. Talk presented at the annual meeting of the *Association for the Scientific Study of Consciousness (ASSC)*, Krakow, Poland.

**Skora, L. I.**, & Krumhuber, E. (2016, July). An experimental challenge to stimuli sets for emotion expression research. Paper presented at the *Consortium of European Research on Emotion (CERE) Conference*, Leiden, the Netherlands.

### Poster presentations:

**Skora, L.**, Seth, A. K., & Scott, R. B. (2020, March). Mind, body – action! Conscious experience as prediction of bodily responses. Poster accepted for *Mind Brain Body Symposium*, Berlin, Germany. [Conference cancelled]

**Skora, L.**, Campbell-Meiklejohn, D., Seth, A. K., & Scott, R. B. (2019, March). The effect of interoceptive feedback and interoceptive accuracy on unconscious instrumental learning. Poster presented at *Mind Brain Body Symposium*, Berlin, Germany. [Poster prize]

**Skora, L.**, Campbell-Meiklejohn, D., Seth, A. K., & Scott, R. B. (2018, March). The effect of interoceptive signals on unconscious instrumental conditioning. Poster presented at *Mind Brain Body Symposium*, Berlin, Germany.

**Skora, L.**, Campbell-Meiklejohn, D., Seth, A. K., & Scott, R. B. (2017, November). Interoceptive signals in unconscious reward learning. Poster presented at *X-spect project workshop*, Edinburgh, Scotland.

**Skora, L.** (2016, November) Using biometric feedback for decision and emotion regulation in real-life financial settings. Poster presented at *Aspects of Neuroscience Conference*, Warsaw, Poland.

## FUNDING

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**April 2020** **Research grant** – Mind Brain Body Young Scientist Award. Grant to sponsor a 4-month research visit to the Max Planck Institute for Human Cognition and Brain Sciences to study physiological predictors of learning.

**January 2020** **Travel grant** – Sussex Doctoral School Overseas Conference Grant. Grant to attend the Mind BrainBody Symposium in March 2020.

**August 2019** **Travel grant** – The Wellcome Centre for Integrative Neuroimaging, Oxford University. Grant to attend the Oxford|Berlin Summer School on Open Research.

**May 2019** **Travel grant** – Sussex Doctoral School Overseas Conference Grant, May 2019. Grant to attend the Implicit Learning Seminar in June 2019.

**Sept 2017** **Open competition** – The Sackler Centre for Consciousness Science PhD studentship (co-funded with School of Psychology), University of Sussex

## **AWARDS**

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**Young Scientist Award** – MindBrainBody Institute, Berlin/Leipzig. Award includes a research grant.

**Poster prize** – MindBrainBody Symposium, Berlin, Germany, March 2019.

## **SOCIETY MEMBERSHIPS**

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European Society for Cognitive and Affective Neuroscience (ESCAN), Student Member

Association for the Scientific Study of Consciousness (ASSC), Student Member

British Association for Cognitive Neuroscience (BACN), Student Member

## **TECHNICAL SKILLS**

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Programming proficiency: MATLAB (+psychtoolbox and Cogent), R, EEGLab

Technical: asa (ANT neuro), BIOPAC Systems (+Acqknowledge, BSL), Eyelink1000

## **TEACHING EXPERIENCE**

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Experimental Practice (UG), seminars, Heinrich Heine University, autumn/summer 2021-2022

Individuals and Groups (UG), seminars, University of Sussex, autumn 2017-2020

Cognitive Psychology (UG), workshops, University of Sussex, autumn 2019-2020

Psychobiology (UG), seminars, University of Sussex, spring 2019-2020

Brain and Behaviour (UG/PG), seminars/workshops, University of Sussex, spring 2019

## **PUBLIC ENGAGEMENT**

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August 2019 Pro-bono talk on the autonomic effects of breath in psychological and physical wellbeing at a community  
Yoga and Wellbeing workshop

March 2018 ‘Self-impressions’ science public engagement event at TateExchange, organised by University of London

April 2017 ‘Ta{s}te’ science public engagement event at TateExchange, organised by University of London

## **OTHER RELATED ACTIVITIES**

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2019 – 2020 Member of the organising group of Sussex Open Science network

2018 – 2020 Member of the steering group for the ‘Supporting the Mental Health of Doctoral Students’ project,  
University of Sussex

2017 – 2020 Elected student representative for Postgraduate Research cohort, School of Psychology, University of  
Sussex