

# **Dr Sam Strong**

**Lecturer, Optometry at Aston University**

Birmingham, , GB

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## **Biography**

Dr Strong's main area of research interest is visual perception, with a focus on motion processing related to optic flow. She is also interested in how the brain processes visual durations/temporal experience. Currently, she is investigating this through two key strategies: 1) Investigation of motion-sensitive visual areas in the human brain. These projects aim to identify the functional differences and connections between motion-sensitive visual areas in the human brain (MT/TO-1, MST/TO-2, V3A). This involves the use of neuroimaging (fMRI), neurostimulation (TMS), and behavioural measures (psychophysics). 2) Impact of pathology on perception. Increases in blur or reduction in contrast can affect perception of moving scenes; these projects investigate the threshold-level perception of individuals with cataracts (with PhD student Ayah Al-Rababah).

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## **Areas of Expertise**

Visual Perception, Optic Flow, Visual Durations, Motion Processing, Temporal Experience, Cataracts

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## **Education**

**University of Bradford**

PhD Vision Science

**University of York**

BSc (Hons) Psychology

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## **Accomplishments**

**'Best Oral Presentation', AVA Meeting**

2018

**Silmo Academy Bursary**

2017

**'Student Travel Award', VSS**

2016

**'Best Oral Presentation', BCOVS**  
2013, 2014, 2015

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