

# WILLIAM TURNER

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## EMPLOYMENT

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<b>Postdoctoral Research Fellow</b> Timing Lab, Queensland University of Technology	2023–
<b>Postdoctoral Research Fellow</b> Timing Lab, The University of Melbourne	2021–2023
<b>Research Assistant</b> Decision Neuroscience Lab, The University of Melbourne	2016–2017

## EDUCATION

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<b>PhD Cognitive Neuroscience, The University of Melbourne</b> Supervised by A/Prof. Stefan Bode, Prof. Robert Hester, and Dr. Daniel Feuerriegel   Visiting scholar at MetaLab, UCL	2017–2021
<b>BSc Psychology &amp; Neuroscience, The University of Melbourne</b> <i>1<sup>st</sup> class honours</i>	2013–2016

## GRANTS AND AWARDS

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<b>Postdoctoral Oral Award, ACNS 2021</b>	2021
<b>Decision Science Hub Research Support Scheme</b> \$2000 in research funding	2021
<b>Shortlisted for Best PhD Thesis Award &amp; Chancellors Prize</b>	2021
<b>Istvan Tork Oral Award, ANS 2018</b>	2018
<b>Student Travel Award, ANS 2018</b>	2018
<b>People's Choice Award, MSPS PhD Conference</b>	2018
<b>Research Training Program Scholarship</b> \$31,200 p.a. x 3.5 years	2017
<b>Honours Oral Award, ACNS 2016</b>	2016
<b>Deans Honours List</b> Top 3% (2015) & 1.5% (2016) of students in the Faculty of Science	2015 – 2016

## PUBLICATIONS

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**Turner, Blom & Hogendoorn (Under Review).** Visual information is predictively encoded in occipital alpha/low-beta oscillations.

**Turner**, Sexton & Hogendoorn (Under Review). Neural mechanisms of visual motion extrapolation.

**Turner** (2023). Perceiving the probable present. *Nature Reviews Psychology*. [Paper](#)

Ko, Feuerriegel, **Turner**, Overhoff, Niessen, Stahl, Hester, Fink, Weiss & Bode (2022). Divergent effects of absolute evidence magnitude on decision accuracy and confidence in perceptual judgements. *Cognition*. [Paper](#)

**Turner** (2022). Unravelling the neural mechanisms which encode rapid streams of visual input. *The Journal of Neuroscience*. [Paper](#)

**Turner**, Feuerriegel, Hester & Bode (2022). Initial sensory information biases the likelihood and speed of subsequent changes of mind. *PLOS Computational Biology*. [Paper](#) / [Code + Data](#)

Feuerriegel, Jiwa, **Turner**, Andrejević, Hester & Bode (2021). Tracking dynamic adjustments to decision making and performance monitoring processes in conflict tasks. *NeuroImage*. [Paper](#) / [Code + Data](#)

Andrejević, Feuerriegel, **Turner**, Laham & Bode (2021). How do Basic Personality Traits Map onto Moral Judgements of Fairness-related Actions. *Social Psychology and Personality Science*. [Paper](#) / [Code + Data](#)

**Turner**, Angdias, Feuerriegel, Chong, Hester & Bode (2021). Perceptual decision confidence is sensitive to foregone effort expenditure. *Cognition*. [Paper](#) / [Code + Data](#)

Andrejević, Feuerriegel, **Turner**, Laham & Bode (2020). Moral Judgements of Fairness-Related Actions are Flexibly Updated to Account for Contextual Information. *Scientific Reports*. [Paper](#) / [Code + Data](#)

**Turner**, Feuerriegel, Andrejević, Hester & Bode (2020). Perceptual change-of-mind decisions are sensitive to absolute evidence magnitude. *Cognitive Psychology*. [Paper](#) / [Code + Data](#)

**Turner**, Johnston, de Boer, Morawetz & Bode (2017). Multivariate pattern analysis of event-related potentials predicts the subjective relevance of everyday objects. *Consciousness and Cognition*. [Paper](#)

## CONFERENCE PRESENTATIONS AND TALKS

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**Turner** (2022). Investigating prediction and delay compensation in the neural encoding of moving objects. Bogacz Lab, University of Oxford; Kok Lab, University College London; Centre de Recherche Cerveau et Cognition (CerCo), Toulouse.

**Turner**, Blom, Hogendoorn (2022). Decoding visual predictions from occipital alpha oscillations. European Conference on Visual Perception, Nijmegen, Netherlands. (Oral)

**Turner** (2022). Investigating the predictive encoding of moving objects. BEPSI, The University of Queensland. \* *Invited Talk*

**Turner**, Blom, Hogendoorn (2021). Investigating the encoding of predictive sensory representations in EEG frequency spectra. Australasian Cognitive Neuroscience Society, Virtual Conference. (Oral) \* **Best Oral Award**

**Turner** (2020). How we evaluate and overrule our perceptual decisions. Decision Science Hub Seminar, The University of Melbourne. \* **Invited Talk**

**Turner** (2020). Information processing dynamics underlying perceptual changes of mind. MetaLab, University College London.

Angdias, **Turner**, Feuerriegel, Hester, Bode (2019). Perceptual decision confidence is sensitive to foregone effort expenditure. Australasian Cognitive Neuroscience Society, Tasmania, Australia (Oral) \* **Best Oral Award**

**Turner**, Feuerriegel, Andrejevic, Hester, Bode (2019). The effect of absolute evidence magnitude on perceptual changes of mind. Association for the Scientific Study of Consciousness, London, Ontario. (Oral)

**Turner**, Feuerriegel, Andrejevic, Hester, Bode (2019). Australasian Mathematical Psychology Conference, Melbourne, Australia. (Oral)

**Turner**, Feuerriegel, Andrejevic, Hester, Bode (2018). Perceptual change-of-mind decisions are sensitive to absolute evidence magnitude. Australasian Neuroscience Society, Brisbane, Australia. (Oral) \* **Oral Award**

**Turner**, Feuerriegel, Andrejevic, Hester, Bode (2018). The effect of absolute evidence magnitude on perceptual changes of mind. Australasian Cognitive Neuroscience Society, Melbourne, Australia. (Oral)

**Turner**, Feuerriegel, Andrejevic, Hester, Bode (2018). The effect of absolute evidence magnitude on perceptual changes of mind. MSPS Annual PhD Student Conference, Melbourne, Australia. (Oral) \* **People's Choice Award**

**Turner**, Johnston, de Boer, Morawetz, Bode (2016). Multivariate pattern analysis of event-related potentials predicts the general desirability of objects. Australasian Cognitive Neuroscience Society, Newcastle, Australia. (Oral) \* **Best Oral Award**

## TEACHING

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**Guest Presenter**, Psychological Science: Theory & Practice (PSYC30021) 2021

**Honours Co-Supervisor & Thesis Marker** 2020-2022  
Supervised 5 students, all awarded *1<sup>st</sup> class honours*.

**Workshop Presenter**, DSH EEG methods workshop 2019

**Undergraduate Tutor**, Neuroscience and The Mind (PSYC30018) 2018  
Nominated for *MSPS Teaching Award*.

## PROFESSIONAL SERVICE

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<b>Australasian Neuroscience Society LOC Member</b> ANS2022 (600 + person conference)	2022
<b>PhD Committee Member</b> Jie Sun, Timothy Cottier	2021–
<b>Ad-hoc Reviewer</b> NeuroImage, Journal of Cognitive Neuroscience, Scientific Reports	2021
<b>MDHS ECR Focus Group Member</b> Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne	2021
<b>OHS Committee Member</b> Melbourne School of Psychological Sciences, University of Melbourne	2018–2019
<b>Treasurer of Graduate Researchers in Psychological Sciences</b> Melbourne School of Psychological Sciences, University of Melbourne	2017–2019
<b>Open Day Volunteer</b> The University of Melbourne	2017–2019

## SKILLS

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**Software:** MATLAB, Python, R, Git, High Performance Computing

**Hardware:** BioSemi ActiveTwo, Biopac TSD121C Dynamometers, ColorCAL MKII Colorimeter

## REFERENCES

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**A/Prof. Hinze Hogendoorn, Postdoctoral Supervisor**  
**Head of Time in Brain and Behaviour Lab**  
Queensland University of Technology (QUT)  
Phone: +61 (0)7 3138 4625  
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**A/Prof. Stefan Bode, Primary PhD Supervisor**  
**Head of Decision Neuroscience Lab**  
Melbourne School of Psychological Sciences  
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**Prof. Robert Hester, Secondary PhD Supervisor**  
**Head of School**  
Melbourne School of Psychological Sciences  
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