# WILLIAM TURNER

https://bootstrapbill.github.io/ | w6.turner@qut.edu.au | Google Scholar

## EMPLOYMENT

**Postdoctoral Research Fellow** 2023–
Timing Lab, Queensland University of Technology

**Postdoctoral Research Fellow** 2021–2023
Timing Lab, The University of Melbourne

**Research Assistant** 2016–2017
Decision Neuroscience Lab, The University of Melbourne

## EDUCATION

**PhD** **Cognitive Neuroscience, The University of Melbourne** 2017–2021
Supervised by A/Prof. Stefan Bode, Prof. Robert Hester,
and Dr. Daniel Feuerriegel | Visiting scholar at MetaLab, UCL

**BSc** **Psychology & Neuroscience, The University of Melbourne** 2013–2016
*1st class honours*

## GRANTS AND AWARDS

**QUT Early Career Researcher Ideas Scheme** 2023
$21,885 in research funding

**Postdoctoral Oral Award, ACNS 2021** 2021

**Decision Science Hub Research Support Scheme** 2021
$2000 in research funding

**Shortlisted for Best PhD Thesis Award & Chancellors Prize** 2021

**Istvan Tork Oral Award, ANS 2018** 2018

**Student Travel Award, ANS 2018** 2018

**People's Choice Award, MSPS PhD Conference** 2018

**Research Training Program Scholarship** 2017
$31,200 p.a. x 3.5 years

**Honours Oral Award, ACNS 2016** 2016

**Deans Honours List** 2015 – 2016
Top 3% (2015) & 1.5% (2016) of students in the Faculty of Science

## PUBLICATIONS

**Turner**, Sexton, Johnson, Wilson & Hogendoorn (Under Review). Progressive multi-stage extrapolation of predictable motion in human visual cortex. *Preprint*

Melling, **Turner** & Hogendoorn (Under Review). Concurrent perception of competing predictions: a "Split-Stimulus Effect". *Preprint*

**Turner**, Sexton & Hogendoorn (2023). Neural mechanisms of visual motion extrapolation. *Neuroscience and Biobehavioral Reviews*. *Paper*

Cottier, **Turner**, Holcombe & Hogendoorn (2023). Exploring the extent to which shared mechanisms contribute to motion-position illusions. *Journal of Vision. Paper* | *Code + Data*

**Turner**, Blom & Hogendoorn (2023). Visual information is predictively encoded in occipital alpha/low-beta oscillations. *The Journal of Neuroscience*. *Paper* | *Code + Data*

**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

**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

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

**Honours Co-Supervisor & Thesis Marker** 2020–
Supervised 5 students, all awarded *1st class honours.*

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

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

## PROFESSIONAL SERVICE

**Australasian Neuroscience Society LOC Member** 2022
ANS2022 (600 + person conference)

**PhD Committee Member** 2021–
Jie Sun, Timothy Cottier

**Reviewer** 2021–
Nature Communications, NeuroImage, Journal of Cognitive Neuroscience, Cognition, Scientific Reports

**MDHS ECR Focus Group Member** 2021
Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne

**OHS Committee Member** 2018–2019
Melbourne School of Psychological Sciences, University of Melbourne

**Treasurer of Graduate Researchers in Psychological Sciences** 2017–2019
Melbourne School of Psychological Sciences, University of Melbourne

**Open Day Volunteer**
The University of Melbourne 2017–2019

## SKILLS

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

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

## REFERENCES

**A/Prof. Hinze Hogendoorn, Postdoctoral Supervisor**

**Head of Time in Brain and Behaviour Lab**
Queensland University of Technology (QUT)
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**A/Prof. Stefan Bode, Primary PhD Supervisor**
**Head of Decision Neuroscience Lab**
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**Prof. Robert Hester, Secondary PhD Supervisor**
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