

# Yuen-Siang Ang

## *Curriculum Vitae*

### Contact Information

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### Employment

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2018 – present      **Postdoctoral Research Fellow (started in 05/2018)**  
Laboratory for Affective and Translational Neuroscience  
Advisor: Prof. Diego Pizzagalli

### Education

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2014 – 2018      **DPhil. (graduation in 07/2018)**  
Nuffield Department of Clinical Neurosciences, University of Oxford  
Dissertation title: *Brain mechanisms underlying option generation for behaviour*  
Advisors: Prof. Masud Husain, Prof. Christopher Kennard

2009 – 2013      **BSc. in Applied Physics (Top of class, 1<sup>st</sup> Class Honours)**  
Nanyang Technological University (NTU), Singapore

### Honours and Awards

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2016      Best Student Research Paper, 5<sup>th</sup> International Conference on  
Cognitive and Behavioural Psychology, Singapore

2015      Best Poster, Nuffield Department of Clinical Neurosciences Annual  
Postgraduates Meeting, University of Oxford

2013      Lee Kuan Yew Gold Medal, NTU  
Koh Boon Hwee Scholars' Award, NTU  
National Science Scholarship (PhD), A\*STAR Singapore  
Best Player (Opposition), International Physicists' Tournament

	College of Science Distinguished Undergraduate Award, NTU
2012	Dean's List (Top of Class), NTU
2011	Dean's List (Top of Class), NTU
2010	Dean's List (Top of Class), NTU

## Peer-Reviewed Publications

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**Ang Y-S\***, Manohar S\*, Plant O, Kienast A, Le Heron C, Muhammed K, Hu M, Husain M (2018). *Dopamine modulates option generation for behaviour in humans*. *Current Biology* 28(10):1561-1569.

Le Heron C, Plant O, Manohar S, **Ang Y-S**, Jackson M, Lennox G, Hu M, Husain M (2018). *Distinct effects of dopamine and apathy on effort based decision making in Parkinson's disease*. *Brain* 141(5):1455-1469.

Lockwood P\*, **Ang Y-S\***, Crockett M, Husain M (2017). *Motivated empathy: associations between empathy and apathy-motivation in healthy people*. *Scientific Reports* 7:17293.

**Ang Y-S\***, Lockwood P\*, Apps MAJ, Muhammed K, Husain M (2017). *Distinct subtypes of apathy revealed by the Apathy Motivation Index*. *PLoS ONE* 12(1): e0169938.

**Ang Y-S**, Manohar S, Apps MAJ (2015). *Commentary: Noradrenaline and Dopamine Neurons in the Reward/Effort Trade-off: A Direct Electrophysiological Comparison in Behaving Monkeys*. *Frontiers in Behavioural Neuroscience* 9:310.

\* indicates joint-first authorship.

## Manuscripts under Review

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**Ang Y-S**, Lockwood P, Keinast A, Plant O, Slavkova E, Tamm M, Husain M (2018). *Differential impact of behavioural, social and emotional apathy in Parkinson's Disease*. (under review, *Annals of Clinical and Translational Neurology*).

Fallon SJ, Muhammed K, **Ang Y-S**, Manohar S, Husain M (2018). *Dopamine guides the competition for control: common effects of D<sub>2</sub> antagonist on distracter resistance and inhibiting a prepotent response*. (submitted, *Journal of Cognitive Neuroscience*)

## Manuscripts in Preparation

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**Ang Y-S**, Apps MAJ, Husain M (2018). Role of medial frontal cortex in planning voluntary actions. Manuscript in preparation.

Le Heron C, Kolling N, Plant O, Manohar S, **Ang Y-S**, Lennox G, Husain M (2018). *Dopamine and motivational effects on patch leaving in humans*. Manuscript in preparation.

## Conferences

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**Ang Y-S**, Manohar S, Plant O, Le Heron C, Husain M (Nov, 2017). *Dopamine modulates both option generation and creativity in behaviour*. Poster presentation at the annual meeting of the Society for Neuroscience, Washington DC.

**Ang Y-S**, Husain M (Feb, 2016). *New tests of option generation and option switching: Implications for studying motivation*. Oral presentation at the 5<sup>th</sup> International conference on Cognitive and Behavioural Psychology, Singapore (Best student research paper).

**Ang Y-S**, Husain M (Oct, 2015). *Option Generation and Option Switching in Apathy – A Disorder of Motivation*. Poster presentation at the annual meeting of the Society for Neuroscience, Chicago IL.

## Grants

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2017	Guarantors of Brain Travel Grant Brasenose College Graduate Research Grant
2015	Guarantors of Brain Travel Grant

## Skills

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- General programming languages: MATLAB, Python, C++
- Statistical analysis softwares: SPSS, MPlus, R
- Neuroimaging analysis softwares: SPM, FSL
- fMRI task development language: Neurobs Presentation

## Ad-hoc Reviewer

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- Current Opinion in Behavioural Sciences

## **Courses**

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*Oxford Autumn School in Cognitive Neuroscience (upcoming)*

28 – 29 Sep 2017, Department of Experimental Psychology, University of Oxford

*Computational Psychiatry course*

26 – 27 Jul 2017, University College London

*Oxford Autumn School in Cognitive Neuroscience*

29 – 30 Sep 2016, Department of Experimental Psychology, University of Oxford

*fMRIB Graduate course in Neuroimaging and FSL*

Oct 2014 – Jun 2015, University of Oxford

## **Professional Organizations**

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- Society for Neuroscience
- British Neuroscience Association