

# DR TSVETOMIRA DUMBALSKA

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Department of Experimental Psychology ◊ Wadham College  
University of Oxford

## EDUCATION

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<b>University of Oxford</b>	<i>December 2021</i>
DPhil Experimental Psychology	ESRC 1+3 Studentship
MSc Psychological Research	Distinction
Dissertation: Context Dependencies in Decision Making ( <i>thesis</i> )	
<b>Brown University</b>	<i>May 2016</i>
BA Honors Economics	Magna cum Laude
Dissertation: Economic Mobility in Rural India 1982-2006 ( <i>thesis</i> )	

## ACADEMIC POSITIONS

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<b>Department of Experimental Psychology, University of Oxford</b>	<i>January 2022 – ongoing</i>
Postdoctoral Researcher, Human Information Processing Laboratory	
<b>Wadham College, University of Oxford</b>	<i>April 2022 – ongoing</i>
Research Associate	
<b>Trinity College Dublin &amp; University College Dublin</b>	<i>June 2019 – September 2019</i>
Visiting Researcher, O’Connell Laboratory & Cognitive Neural Systems Laboratory	

## PUBLICATIONS

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### Lead Author Papers

**Dumbalska, T.**, Rudzka, K., Smithson, H., & Summerfield, C. (2022). How do (perceptual) distractors distract? *PLOS Computational Biology*. (open-access link & code)

**Dumbalska, T.**, Li, V., Tsetsos, K., & Summerfield, C. (2020). A map of decoy influence in human multi-alternative choice. *Proceedings of the National Academy of Sciences*, *117* (40), 25169-25178. (open-access link & code)

Zaneva, M., & **Dumbalska, T.** (2020). Green Nudges: Applying Behavioral Economics to the Fight Against Climate Change. *Quarterly PsyPAG*, *116*, 27-31. (open-access link)

**Dumbalska, T.**, White, R. C., Duta, M. D., & Nation, K. (2017). Automaticity in Stimulus-Parity Synaesthesia. *i-Perception*, *8* (40), 25169-25178. (open-access link)

### Collaborations

Parsons, S., Azevedo, F., ... & FORRT. (2022). A community-sourced glossary of open scholarship terms. *Nature Human Behavior*, *6* (3), 312-318. (open-access link)

Flesch, T., Juechems, K., **Dumbalska, T.**, Saxe, A., & Summerfield, C. (2022). Orthogonal representations for robust context-dependent task performance in brains and neural networks. *Neuron*, *110* (7), 1258-1270. (open-access link)

Evans, T. R., Pownall, M., Collins, E., Henderson, E. L., Pickering, J. S., O’Mahony, A., ... & **Dumbalska, T.** (2022). A network of change: united action on research integrity. *BMC research notes*, *15* (1), 1-7. (open-access link)

Nelli, S. M., Braun, L., **Dumbalska, T.**, Saxe, A., & Summerfield, C. (2021). Neural knowledge assembly in humans and deep networks. *Under review*. (bioRxiv link)

Summerfield, C., & **Dumbalska, T.** (2020). How does value distract?. *Nature Human Behaviour*, 1 (1), 27-31. (link)

White, R. C., **Dumbalska, T.**, Duta, M. D., & Nation, K. (2018). “17” is odd and “seventeen” is even: Meaning and physical form in stimulus-parity synaesthesia. *Quarterly Journal of Experimental Psychology*, 71 (9), 1-17. (link)

White, R. C., Bowen, D., **Dumbalska, T.**, Hoeger, K., & Mok, A. Y. (2015). Two Left Hands, Ten Interlaced Fingers: A New Rubber Hand Illusion. *Perception*, 45 (3), 346-349. (link)

## GRANTS & FELLOWSHIPS

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<b>Postgraduate Research Visit Grant</b> <i>PsyPAG, British Psychological Society</i>	£200 December 2019
<b>Overseas Institutional Visit Grant</b> <i>Economic and Social Research Council</i>	£2500 June 2019
<b>Dean of Graduates Grant</b> <i>Pembroke College, University of Oxford</i>	£400 June 2019
<b>Scatcherd European Scholarship</b> <i>University of Oxford</i>	£58,635 October 2016
<b>Doctoral Training Studentship (MSc &amp; DPhil)</b> <i>Economic and Social Research Council</i>	£29,500 October 2016
<b>Baker and Emery Fellowship</b> <i>Brown University</i>	\$10,000 May 2016
<b>Pembroke Center Undergraduate Fellowship</b> <i>Brown University</i>	\$1,000 September 2015
<b>Writing Fellowship</b> <i>Brown University</i>	\$1,000 September 2015

## AWARDS & HONORS

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<b>W. H. Pembroke Prize for Service to the Community</b> <i>Pembroke College, University of Oxford</i>	June 2021
<b>Reproducible Research Oxford Fellow</b> <i>UK Reproducibility Network</i>	May 2021
<b>Senior Studentship</b> <i>Pembroke College, University of Oxford</i>	October 2019
<b>Humphreys Prize for Best Research Project</b> <i>Department of Experimental Psychology, University of Oxford</i>	September 2017
<b>Phi Beta Kappa Honor Society</b> <i>Providence, RI</i>	May 2016
<b>Omicron Delta Epsilon Honor Society in Economics</b> <i>Providence, RI</i>	April 2016
<b>Irving Lysander Foster Award</b> <i>Brown University</i>	March 2013
<b>Spanish Ministry of Education Award</b> <i>Spanish Embassy in Bulgaria</i>	May 2012

## TEACHING

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### Teaching Qualifications

Associate Fellow of Higher Education Academy (AFHE), UK Professional Standards Framework

### Visiting Student Program Coordinator

Pembroke College: Tailored curriculum in Experimental Psychology

### Tutorial Teaching

Experimental Psychology: Statistics & Perception (Year 1), Cognition & Perception (Year 2)

Academic Writing: Brown University Writing Fellows Program (Years 1-4)

### Small Groups Teaching

Course Organizer: Biomedical Sciences Visual Neuroscience Practical (Year 2)

Language Instructor: Spanish Language “Charlas” Classes, Brown University

Teaching Assistant: Investments (Year 3-4), Brown University

### Lecturing

OxNet Summer School: Understanding Human Memory, Widening Access Programme

Oxford Royale Academy: Economics & Management, Pre-collegiate Summer Course

### Practical Classes

Graduate-level: Matlab Programming

Undergraduate-level: Perception & Cognition (Year 2), Psychology of Economics (Year 3)

## SUPERVISION

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### Undergraduate Final Year Research Projects

*Department of Experimental Psychology, University of Oxford*

Yumeng Zhang 2022/2023

Anna Samuel 2021/2022

Krisztina Jedlovszky 2020/2021

Katarzyna Rudzka 2019/2020

### Research Internships

*UNIQ+ Graduate Access Programme, University of Oxford*

Areej Bhatti 2022

Ibrahim Ali 2022

## WELFARE & MENTORSHIP

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### Peer Support

Peer Supporter, Medical Sciences Division, University of Oxford

Welfare Officer, Pembroke College

College Parent, Pembroke College

Confidential Support Phone Line, Oxford

### Mentorship

MCR-JCR Mentorship Scheme, Pembroke College

Meiklejohn Advisor Program, Brown University

## DEPARTMENTAL & COLLEGE SERVICE

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### Seminar Organization

Pre-Dinner Research Talks Series, Wadham College 2022 – ongoing

PemBook Club, Pembroke College 2021

Decolonizing Research Interest Group, Reproducible Research Oxford 2021

DPhil Seminar Series, Department of Experimental Psychology 2019 – 2020

### Committee Service

People & Culture Committee, Department of Experimental Psychology	2022 – ongoing
Early Career Researchers Committee, Department of Experimental Psychology	2022 – ongoing
College Website Focus Group, Pembroke College	2019 – 2021
Communications Committee Graduate Representative, Pembroke College	2017 – 2021

### MCR Leadership, Pembroke College

*College Prize for Service to the Community*

Welfare Officer	2021
Web Officer, webpage link	2018 – 2021
General Representative	2018
Social Secretary	2017

## ACADEMIC TALKS

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### Invited Talks

Context Dependence in Economic & Perceptual Decisions <i>da Silveira Lab, University of Basel &amp; CNRS, Paris</i>	2021
Gain Control, Distraction & Attention During Fine Orientation Discrimination <i>Carrasco Lab, New York University</i>	2020
Complexity Science Approaches to Human Decision Making <i>University of Mannheim Graduate Seminar</i>	2019
“Odd Colors Are Like an Empty Building”: Color Inducers in Stimulus-Parity Synaesthesia <i>Pembroke College Research Evening</i>	2016

### Poster Presentations

<i>Gain Control Explains the Effects of Distraction During Perceptual Decision-Making</i> Poster Presentation at the Symposium on Biology of Decision-Making	2019
Melanopic Contrast in Color Matching Functions <i>Poster Presentation at the International Color Vision Society</i>	2018

## PUBLIC ENGAGEMENT

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### Evidence for Policy

Written Evidence on Reproducibility and Research Integrity <i>UK Parliament: Entry 20210930, Entry EGYJ106500</i>	2021
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## STATISTICS & PROGRAMMING SKILLS

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Programming languages: **JavaScript, HTML & Python.**  
Statistical software: **R, RStudio, SPSS, Stata, & Matlab.**

## LANGUAGES

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Fluent in **Bulgarian, English, & Spanish.**  
Intermediate **French & Portuguese.**  
Basic **Russian & Italian.**