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AOS: Philosophy of Cognitive Science, Philosophy of Mind.
AOC: Epistemology, Philosophy of Biology, Philosophy of Action, Philosophy of Language, General
Philosophy of Science.

Employment

- MindCORE Research Fellow, cross-appointed in Philosophy, Psychology, and Linguistics, University of Pennsylvania, October 2021-September 2024
- VISTA Research Fellow in the Department of Philosophy and Centre for Vision Research, York University (Toronto), July 2019 – September 2021

Education

- DPhil Philosophy, University of Oxford, October 2015-June 2019
Thesis: *The Architecture of Perceptual Systems*, supervised by Ian Phillips, Nicholas Shea & Michael Martin
I argued that there is a perception-thought border in the mind/brain, and that this is vindicated by differences in the format of perceptual/cognitive representations, and the architecture of the mechanisms that manipulate these.
Passed without corrections
- Jane Eliza Procter Fellow, Princeton University, September 2017-September 2018
Prize Fellow in Princeton's Department of Philosophy and Cognitive Science Program
- MPhil Philosophy, University of Warwick, October 2013-Summer 2015
Distinctions in all areas of course work - thesis passed without corrections
- MA Philosophy, University of Edinburgh, September 2008-May 2012
1st Class MA with Honors - dissertation used as an 'exemplar' by the University of Edinburgh

Journal Publications

All co-authored papers were fully collaborative

1. **Clarke, S.** (Forthcoming) 'Mapping the Visual Icon', *The Philosophical Quarterly*.
2. Beck, J. & **Clarke, S.** (Forthcoming) 'Numbers, Numerosities, and New Directions' *Behavioral & Brain Sciences* ([a response to 26 accepted commentaries on our target article](#)).
3. **Clarke, S.** & Beck, J. (Forthcoming) 'The Number Sense Represents (Rational) Numbers', *Behavioral & Brain Sciences* ([to be published with 26 commentaries](#)).
4. **Clarke, S.** (2021) 'Cognitive Penetration and Informational Encapsulation: Have we been failing the module?' *Philosophical Studies* ([winner of Glasgow's 2019 CSPE GEM prize for work on perception](#)).
5. **Clarke, S.** & Beck, J. (2020) 'Does the Number Sense Represent Number?', *Proceedings of the Cognitive Science Society*.
6. **Clarke, S.** (Forthcoming) 'Beyond the Icon: Core Cognition and the Bounds of Perception', *Mind & Language*.
7. **Clarke, S.**, McEllin, L., Francová, A., Székely, M., Butterfill, S., & Michael, J. (2019) 'Joint action goals reduce visuomotor interference from a partner's incongruent action', *Nature's Scientific Reports*.
8. **Clarke, S.** & Anaya, A. (2019) 'Naïve Realism and Phenomenal Similarity', *Inquiry*.
9. Anaya, A. & **Clarke, S.** (2017) 'Naïve Realism and Unconscious Perception', *Analysis*.

Other Writing

10. Clarke, S. (2021) 'Mapping the Mental Image', *Junkyard of the Mind* (invited blogpost)

In Progress/Under Review (with drafts available on request)

1. 'Aspects of the theory of visual syntax' (argues that mental images have a syntax, but pictures don't – a short version of this paper was joint winner of the Tenth Annual Essay Prize at the Centre for Philosophical Psychology, University of Antwerp – awarded 22 December 2021)
2. 'Recent Work on the Perception-Cognition Border' (with J. Beck – invited by *Philosophy Compass*)
3. 'Is Pain Modular?' (we argue that pain is computational and modular – with L. Casser – R&R at *Mind & Language* [13 September 2021])
4. 'Extended Minds and The Epistemic Basing Problem' (argues that the extended mind hypothesis makes a mess of epistemic basing – with S. Keeling – submitted [15 September 2021])
5. 'Object files and perceptual format' (argues that perceptual object representations are iconic)
6. 'Formal transitions' (argues there is no 'interface problem' when transitioning between mental formats)
7. 'Natural kinds and the perception-cognition border' (considers what it is for perception/cognition to be a natural psychological kind – with J. Quilty-Dunn)
8. 'The inadmissible contents of experience' (argues against rich contents in perceptual experience)
9. 'Joint Event Codes' (argues that joint actions change how events are represented – with S. Butterfill & J. Michael)
10. Experimental study (with A. Weksler, E. Hemed & B. Eitam), testing (vindicating!) predictions that I made about the format of visual imagery in 'Mapping the Visual Icon'
11. Experimental study (with C. Qu, & E. Brannon) testing predictions I made with Jake Beck about the prelinguistic representation of rational numbers in 'The Number Sense Represents (Rational) Numbers'

Awards and Honors

- Tenth Annual Essay Prize at the Centre for Philosophical Psychology, University of Antwerp, 2021 (joint winner – €1,000 – for a paper on the syntax of visual representations)
- Glasgow's CSPE GEM Bursary, 2019 (£250 – for the top-ranked conference submission on perception)
- Jane Eliza Procter Fellowship, 2017-2018, Princeton University (\$30,000 living costs, plus \$47,750 for tuition fees)
- TORCH Conference Grant, June 2017, University of Oxford (£1500)
- AHRC Doctoral Scholarship, 2015-2018, University of Oxford (£45,000, plus tuition and college fee waiver)
- St Anne's College Graduate Award, University of Oxford, 2015-2018 (£9,000 – declined)
- AHRC Master's Scholarship, 2013-2015, University of Warwick (£20,000 in total, plus fee waiver)

Work Experience

- Researcher in Philosophy/Psychology, 'The Sense of Commitment Project', University of Warwick, 2018-2019
- Research Assistant in Psychology, Berkeley Early Learning Lab, UC Berkeley, July-August 2013
Research topic: infants' sensitivity to statistical probabilities, supervised by Fei Xu
- Research Assistant in Psychology, Gopnik Cognitive Development Lab, UC Berkeley, July- August 2013
Research topic: counterfactual reasoning in children, supervised by Daphna Buschbaum & Alison Gopnik
- Research Assistant in Cognitive Psychology, University of Edinburgh, Summer 2012
Research topic: cross-modal and postural effects on visual attention, supervised by Elena Gherri

Invited Presentations

1. 'Aspects of the Theory of Visual Syntax' (March 2022), *MUMBLE*, University of Turin
2. 'The representation of ratios and rational numbers' (February 2022), *USC Colloquium*, Los Angeles
3. Invited symposium on The Number Sense (January 2022) (with Jake Beck, and with comments from Geoff Lee and Oliver Marshall), *Eastern APA*, Baltimore
4. 'The philosophy and psychology of rational number representation' (January 2022), *SoCal History and Philosophy of Math and Logic Seminar*
5. 'Mapping the Visual Icon' (April 2021), *Senior Seminar*, University of Glasgow
6. 'Which Numbers Does the Number Sense Represent?' (April 2021), *Perception & Mind Lab Meeting*, Johns Hopkins University, Baltimore
7. 'Mapping the Visual Icon' (April 2021), *Philosophy Colloquium*, École Normale Supérieure
8. 'The Number Sense Represents (Rational) Numbers', (March 2021), *Phil & Psych Group*, University of Sheffield
9. 'The Number Sense Represents (Rational) Numbers', (March 2021), *GTA Animal Cognition Group*, University of Toronto
10. 'The Number Sense Represents (Rational) Numbers' (October 2020) (with Jake Beck), *Perception Seminar*, Brown University
11. 'Joint Event Codes' (with Stephen Butterfill and John Michael) (June 2020), *SOMBY Lab*, CEU
12. 'Is Pain Modular?' (May 2020), *Oxford Mind Series*, University of Oxford
13. 'Mapping the Visual Icon' (February 2020), *Philosophy Colloquium*, University of Miami
14. 'Rethinking visual modularity' (February 2020), *VISTA research conference*, York University
15. 'Cognitive Penetration and Informational Encapsulation: Have we been failing the module?' (November 2019), *MindWork Colloquium*, University of Texas, Austin
16. 'Is Vision Iconic?' (October 2019), *PoPRocks Workshop*, New York University
17. 'Perception is Analogue' (December 2018), *Philosophy Colloquium*, New College of the Humanities
18. 'Representational Formats in Perception and Development' (March 2018), *Neuroscience Institute*, Princeton
19. 'The (Un)limits of Iconicity' (September 2017), *NYC Philosophy of Mind/Psychology Workshop*, CUNY
20. 'Obstacles to the Core Cognition of Goals' (May 2017), *Action Mini-Workshop*, University of Warwick
21. Reply to Anna Ciaunica-Garrouy (December 2014) *Mindgrad*, University of Warwick

Refereed Presentations

22. 'Does the Number Sense Represent Number?' (July 2020), *Society for Philosophy and Psychology*
23. 'Does the Number Sense Represent Number?' (April 2021), *Foundations of Animal Minds Conference*, Johns Hopkins
24. 'Does the Number Sense Represent Number?' (July 2020), *Annual Meeting of the Cognitive Science Society*, via Zoom
25. 'Cognitive Penetration and Informational Encapsulation: Have we been failing the module?' (September 2019), *European Society for Philosophy and Psychology*, 2019 meeting, Athens
26. 'Cognitive Penetration and Informational Encapsulation: Have we been failing the module?' (May 2019), *Glasgow Graduate Conference in Epistemology and Mind*, University of Glasgow
27. 'Iconicity and Perception' (June 2018), *CAP*, Université du Québec, Montreal
28. 'Demarcating Perception' (May 2018), *Graduate Conference*, University of Toronto
29. 'Beyond the Icon' (7 April 2018), *Cognition Conference*, CUA, Washington DC
30. 'On Carey's Characterization of Core Cognition' (March 2018), *SSPP*, San Antonio
31. 'Icons, Schmicons and Core Cognition' (November 2017), *Thought and Sense Conference*, Oslo
32. 'Don't Fail the Module!' (December 2016), *Mindgrad*, University of Warwick
33. 'Don't Fail the Module!' (November 2016), *Neurophilosophy Lunchtime Seminar*, University of Milan
34. 'Goal Ascription for the A-rational' (September 2016), *Minds Online*, The Brains Blog (with published

- commentaries by Kristen Andrews, Mitchell Herschbach and Joulia Smortchkova)
35. 'Modularity as a Natural Kind' (September 2016), *London Philosophy of Science Graduate Conference*, UCL
 36. 'Thoughtless Goal Ascriptions' (April 2016), *Social Cognition & Memory*, York University
 37. 'Seeing Sally's Sadness' (December 2015), *Open Minds XI*, University of Manchester
 38. 'Molyneux's Question and Cognitive Science' (May 2015), *BPPA workshop on sense and space*, UCL
 39. 'Can Humans Visually Experience Goal Outcomes?' (September 2014), *ESPP*, 22nd Annual Meeting, Noto

Courses taught as sole instructor

- *Seminar in Cognitive Science*, Seminars and Senior Thesis Supervision, York University, Toronto (2019-20)
- *Minds and Machines*, Lecture course, University of Oxford (2018)
- *Philosophy of Cognitive Science*, Tutorials, University of Oxford (2018-2019)
- *Philosophy of Mind*, Tutorials, University of Oxford (2018-2019)
- *General Philosophy* (Intro to Epistemology and Metaphysics), Tutorials, University of Oxford (2016)
- *Knowledge & Reality* (Advanced topics in Epistemology and Metaphysics), Tutorials, University of Oxford (2016-17)
- *Philosophy of Science*, Seminars for Pembroke College, University of Oxford (2016)
- *Hume's Philosophy of Religion*, Lecturing and Outreach, Oxford, Manchester, and London (2016; 2019)

Guest lectures

- *Philosophy of Visual Perception* (invited by Tiina Rosenqvist), University of Pennsylvania (2021)
- *Philosophy of Cognitive Science* (invited by Martin Davies), University of Oxford (2017)
- *Philosophy of Action* (invited by Denis Buehler), University of Oxford (2017)

Other teaching

- *Ethics*, A-Level Tutoring, Oxford (2016-17)
- Class facilitator for *The Philosophy Foundation*, teaching 7-8year-olds philosophy in London and Edinburgh (2012-13)

Professional Service

- Organizing the Philosophy of Perception Reading Group (PPRG) at York (2020-2021)
- Coordinating iCog's 2019 *Research Grants* (funding interdisciplinary collaborations between junior scholars)
- Lead Co-Organizer of conference on *The Formats of Vision and Thought*, Toronto, ON
- Local Organizer for the *European Society for Philosophy and Psychology* (2019 meeting in Athens)
- Lead Organizer of *iCog 4: a conference on Action Perception* (June 2017), Oxford
- Lead Organizer of the Oxford Graduate Philosophy Conference, (November 2016), University of Oxford
- Co-Organizer of the Jowett Society Speaker Series (2016-2017), University of Oxford
- Peer review: *Analysis* (x2), *Analytic Philosophy*, *Australasian Journal of Philosophy*, *Biological Theory*, *British Journal for the Philosophy of Science* (x2), *Canadian Journal of Philosophy* (x2), *Consciousness & Cognition*, *Developmental Science*, *Erkenntnis*, *European Journal of Philosophy*, *European Journal for Philosophy of Science*, *Inquiry*, *Mind* (x2), *Mind & Language* (x3), *Philosophical Psychology* (x3), *The Philosophical Quarterly*, *Philosophical Studies*, *Review of Philosophy and Psychology*, *Routledge* (x2), *Synthese* (x6), *Topoi*, *WIREs Cognitive Science*.

References:

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(Further references available upon request)