

# CURRICULUM VITAE

## DETAILS

### **Tushar Menon**

Department of Linguistics and Philosophy,  
Massachusetts Institute of Technology,  
32 Vassar Street, Cambridge 02139, MA.

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## AREAS OF SPECIALISATION

Philosophy of Physics, Philosophy of Science

## AREAS OF COMPETENCE

Philosophical Logic, Philosophy of Language, Meta-  
physics

## APPOINTMENTS

2025–	<b>Senior Lecturer,</b> Massachusetts Institute of Technology.
2024	<b>Lecturer,</b> Australian Catholic University.
2023–2024	<b>Research Fellow (Assistant Professor),</b> Dianoia Institute of Philosophy, Australian Catholic University.
2019–2023	<b>British Academy Postdoctoral Fellow,</b> University of Cambridge.
2018–2019	<b>Departmental Lecturer in Philosophy of Science,</b> University of Oxford.
2018	<b>Stipendiary Lecturer in Philosophy,</b> Oriental College, Oxford.

## OTHER AFFILIATIONS

2024	<b>Visiting Fellow,</b> Centre for the Philosophy of Science, University of Pittsburgh.
2020	<b>Heinrich Hertz Visiting Fellow,</b> University of Bonn.
2019–2020	<b>Logic Lektor, Faculty of Philosophy</b> University of Oxford.
2017–2018	<b>Beyond Spacetime Predoctoral Research Fellow,</b> University of Illinois at Chicago.

## EXTERNAL FUNDING

2020	<b>Cambridge-Stockholm Collaborative Research Grant</b> (joint awardee with Prof. Richard Dawid at Stockholm University)
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## EDUCATION

2019	<b>DPhil in Philosophy,</b> Balliol College, University of Oxford.
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Thesis: *The dynamical foundations of physical geometry*

Supervisors: David Wallace, Simon Saunders,  
and Adam Caulton

Examiners: Oliver Pooley and Eleanor Knox

2014

**MSt, Philosophy of Physics,**  
St. Hilda's College, University of Oxford.

2012

**MA, Life Writing,**  
King's College London.

Thesis: *The Life and Science of James Clerk Maxwell.*

2009

**MSc, Theoretical Physics,**  
King's College London.

Thesis: *An Introduction to Conformal Field Theory.*

2008

**BSc, Physics, Chemistry, Mathematics**  
St. Joseph's College, Bangalore.

#### AWARDS

2019

British Academy Postdoctoral Fellowship

2016

Space and Time after Quantum Gravity Essay Prize

2014

British Society for the Philosophy of Science Doctoral  
Scholarship

2008

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#### PAPERS

\* indicates co-authorship

1. **How to be a scientific realist: a normative-pragmatist proposal** *Studies in History and Philosophy of Science* (forthcoming).

2. **Establishing the philosophy of supersymmetry** *Synthese (Introduction to Topical Collection)* (forthcoming).

[co-authored with Richard Dawid and Siska De Baeremaeker; TM is first author.]

3. **Spacetime functionalists should be inferentialists** *British Journal for the Philosophy of Science* (forthcoming).

4. **On algebraic object naturalism and metaphysical indeterminacy in quantum mechanics** *Studies in History and Philosophy of Science*, 105, 1–16 (2024).

5. **\*Some remarks on recent formalist responses to the Hole Argument** *Foundations of Physics*, 54,6 (2023).  
[co-authored with James Read]

6. **\*Missing the point in noncommutative geometry**, *Synthese* 199, 4695–4728 (2021).  
[co-authored with Nick Huggett and Fedele Lizzi]

7. **\*The limitations of inertial frame spacetime functionalism**, *Synthese* 199 (Suppl 2), 229–251 (2021).  
[co-authored with James Read]

8. **Taking up superspace: The spacetime structure of supersymmetric field theories**, *Philosophy Beyond Spacetime*, Nick Huggett, Baptiste Le Bihan and Christian Wüthrich (eds.) Oxford University Press (2021).

9. **\*Clocks and Chronogeometry: Rotating Spacetimes and the Relativistic Null Hypothesis**, *British Journal for the Philosophy of Science*, 71(4) 1287-1317 (2020).

[co-authored with Niels Linnemann and James Read; TM is first author]

10. **Algebraic fields and the dynamical approach to physical geometry**, *Philosophy of Science*, 86(5), pp. 1273-1283, (2019).

11. **On the viability of the No Alternatives Argument**, *Studies in History and Philosophy of Science, Part A*, 76, pp. 69-75, (2019).

#### BOOKS

**Semantics of Physical Theories** Under contract with Cambridge University Press (*Elements Series*).

#### TEACHING

MIT

##### **Undergraduate Lectures**

Philosophy of Quantum Mechanics, Logic I, Topics in Philosophy of Science, Paradox and Infinity.

OXFORD

##### **Undergraduate Prelims Tutorials**

General Philosophy, Introduction to Logic, Elements of Deductive Logic

##### **Undergraduate Final Honours Schools Tutorials**

Intermediate Philosophy of Physics, Philosophy of Science, Knowledge and Reality, Philosophical Logic, Philosophy of Logic and Language

##### **Undergraduate Final Honours Schools Lectures**

Philosophy of Science

##### **Graduate Lectures**

Advanced Philosophy of Physics

##### **Graduate Supervisions**

Philosophy of Science, Philosophy of Physics

CAMBRIDGE

##### **Undergraduate Part II lectures**

Philosophy of Space and Time

##### **Undergraduate Supervisions**

Philosophy of Science

##### **Graduate Thesis Supervisions**

Philosophy of Science [HPS faculty]

#### SELECTED RECENT TALKS (SINCE 2020)

\* indicates invited talk

+ indicates keynote

##### **The world(s) according to quantum mechanics**

\*Boston Network for the History and Philosophy of Physics, Boston University, March 2026

\*University of Pittsburgh, October 2025

##### **Scientific Realism as a normative notion (twice over)**

\*Lunchtime Talk, University of Pittsburgh November 2024

\*History and Philosophy of Physics Research Seminar,  
Utrecht University, June 2024

### **The Inferentialist guide to Quantum Mechanics**

\*New England Workshop on the History and Philosophy of Physics, March 2025

+Keynote at the Fourth Chilean Conference on the Philosophy of Physics, Pontifical Catholic University of Chile, Santiago, March 2024.

\*History and Philosophy of Physics Research Seminar, University of Bonn, June 2024

### **Spacetime functionalists should be inferentialists**

+Keynote at Conference on Spacetime Functionalism, University of Pittsburgh, March 2023.

### **Inferential Scientific Realism**

\*Philosophy of Science Seminar, University of Bristol, November 2023

\*Sigma Club London School of Economics February 2023

\*Jowett Society, University of Oxford, October 2022

### **We don't talk about Grue, no**

PSA Biennial Conference, Pittsburgh, November 2022.

### **On an inferential role of spacetime in SUSYQFT**

+Keynote at Annual meeting of the German Physical Society (DPG), March 2022.

### **Dynamical substantivalism**

\*Philosophy of Physics Research Seminar, University of Oxford, January 2022.

### **In defence of deference**

\*Philosophy of Science Research Seminar, University of Bristol, March 2021

### **Metaphysical indeterminacy in noncommutative geometry**

\*BBLOC Seminar, King's College London, March 2021

### **Settlers of Cartan: how to be a true relationalist about General Relativity**

\*History and Philosophy of Physics Research Seminar, University of Bonn, April 2020

### **Why is the metric of general relativity Lorentzian?**

## ACADEMIC AND PROFESSIONAL SERVICE

### **Undergraduate Officer, Concentration and Minor Advisor for Philosophy**

Massachusetts Institute of Technology

### **Trustee, Philosophy of Physics Society**

### **Undergraduate Admissions**

Merton College (Oxford), Oriel College (Oxford).

**Examination setting**

Undergraduate prelims and finals papers (Oxford)  
Undergraduate Part II examinations (Cambridge)

**Examination assessment**

Undergraduate prelims and finals (Oxford)  
Undergraduate Part II examinations (Cambridge)  
MPhil essays and dissertations (Cambridge)

**Journal Reviews**

*British Journal for the Philosophy of Science, Foundations of Physics, Mind, Pacific Philosophical Quarterly, Philosophical Quarterly, The Philosophical Review, Philosophy of Science, Studies in History and Philosophy of Modern Physics, Synthese.*

**External PhD examination**

*University of Western Ontario*

**Book Referee**

*Oxford University Press, Cambridge University Press*

**Funding Reviews**

*National Science Foundation.*

**PUBLIC ENGAGEMENT**

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|-----------|---|
| 2022      | <b>Physics for Phiish Podcast:</b> Guest on first episode of popular physics podcast: <a href="#">link here</a> .   |
| 2011      | <b>Visvesvaraya Technological and Industrial Museum, Bangalore:</b> Wrote and presented a series of six documentaries on Electromagnetism to complement the museum's permanent exhibit. |
| 2010-2013 | <b>Freelance Science Writing:</b> Wrote several popular articles on science and mathematics for <i>Deccan Herald</i> , <i>The Hindu</i> , and <i>The Open Magazine</i> .                |

**LANGUAGES**

Native English speaker, conversant and literate in Hindi.