

CURRICULUM VITAE

DETAILS

Tushar Menon

Department of Linguistics and Philosophy,
Massachusetts Institute of Technology,
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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–	Senior Lecturer Massachusetts Institute of Technology.
2024	Lecturer, Australian Catholic University.
2023–2024	Research Fellow (Assistant Professor), Dianoia Institute of Philosophy, Australian Catholic University.
2019–2023	British Academy Postdoctoral Fellow, University of Cambridge.
2018–2019	Departmental Lecturer in Philosophy of Science, University of Oxford.
2018	Stipendiary Lecturer in Philosophy, Oriel College, Oxford.

OTHER AFFILIATIONS

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

EXTERNAL FUNDING

2020	Cambridge-Stockholm Collaborative Research Grant (joint awardee with Prof. Richard Dawid at Stock- holm University)
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EDUCATION

2019	DPhil in Philosophy, 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 Inlaks Scholarship

PUBLICATIONS

* indicates co-authorship

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

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

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

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

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

6. **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).

7. ***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]

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

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

TEACHING

MIT

Undergraduate Lectures

Philosophy of Quantum Mechanics, Logic I, Topics in Philosophy of Science

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 2019)

* indicates invited talk

+ indicates keynote

Scientific Realism as a normative notion (twice over)

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

The Inferentialist guide to Quantum Mechanics

+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?

*First ONB workshop on the foundations of spacetime theories, University of Oxford, September 2019

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

Second Chilean Conference on the Philosophy of Physics, Pontifical Catholic University of Chile, December 2019

On the viability of the No Alternatives Argument

*Workshop on Non-Empirical Theory Assessment, University of Stockholm, June 2019

Rotating Spacetimes and the Relativistic Null Hypothesis

*University of Notre Dame, April 2019

ACADEMIC AND PROFESSIONAL SERVICE

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 | Physics for Phiish Podcast: Guest on first episode of popular physics podcast: link here . |
| 2011 | Visvesvaraya Technological and Industrial Museum, Bangalore: Wrote and presented a series of six documentaries on Electromagnetism to complement the museum's permanent exhibit. |
| 2010-2013 | Freelance Science Writing: 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.