

Eleanor March

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EDUCATION

Balliol College, University of Oxford

- BPhil in Philosophy *Oct. 2023 - Present*
Average grade in assessments to date: Distinction. Expected: Distinction
- MPhysPhil in Physics and Philosophy (First Class Honours) *Oct. 2019 - Aug. 2023*

AWARDS

- Dervorguilla scholarship, Balliol College (2023)
- Brian Dickinson scholarship, Balliol College (2023)
- BPhil scholarship, the Faculty of Philosophy (2023)
- Elizabeth Anscombe prize for the best undergraduate thesis in all Honour Schools including Philosophy (August 2023)
- Gibbs Prize for outstanding performance in the Philosophy papers in Part C of the Honour School of Physics and Philosophy (August 2023)
- Conroy Prize in Physics, Balliol College (January 2023)
- Gibbs Prize for outstanding performance in the Philosophy papers in Part B of the Honour School of Physics and Philosophy (September 2022)
- Gibbs Prize for practical work in Part A of the Honour School of Physics and Philosophy (August 2021)

RESEARCH

Articles published in peer-reviewed journals

- A8. "A puzzle about general covariance and gauge," with James Owen Weatherall. Forthcoming in *The British Journal for the Philosophy of Science*. <https://philsci-archive.pitt.edu/id/eprint/23381>.
- A7. "Categorical equivalence and the kinematics-dynamics distinction." Forthcoming in *The British Journal for the Philosophy of Science*. <https://doi.org/10.1086/734035>.
- A6. "Are Maxwell gravitation and Newton-Cartan theory theoretically equivalent?" Forthcoming in *The British Journal for the Philosophy of Science*. <https://doi.org/10.1086/730863>.
- A5. "Many worlds or one: reply to Steeger." Forthcoming in *Synthese*. <http://philsci-archive.pitt.edu/id/eprint/23219>.
- A4. "A primer on Carroll gravity," with James Read. *Classical and Quantum Gravity* 42 (5): 055004 (2025). <https://doi.org/10.1088/1361-6382/adaf03>.
- A3. "Some remarks on recent approaches to torsionful non-relativistic gravity," with William J. Wolf, James Read, and Nicholas J. Teh. *Foundations of Physics* 54: 75 (2024). <https://doi.org/10.1007/s10701-024-00801-6>.

- A2. “On the geometric trinity of gravity, non-relativistic limits, and Maxwell gravitation,” with William J. Wolf and James Read. *Philosophy of Physics* 2 (1): 15 (2024). <https://doi.org/10.31389/pop.80>.
- A1. “Is the Deutsch-Wallace theorem redundant?” *Philosophy of Physics* 2 (1): 7 (2024). <https://doi.org/10.31389/pop.65>.

Articles submitted to peer-reviewed journals

- S7. ““the logical sequence of his Principles”: Understanding Du Châtelet on Newton’s law of gravitation in the *Principia*.” Submitted to *Studies in the History and Philosophy of Science*. <https://philsci-archive.pitt.edu/id/eprint/24524>.
- S6. “Points, curves, and hypersurfaces: Reassessing the historical geometric object concept.” Submitted to *HOPOS*. <https://philsci-archive.pitt.edu/id/eprint/24517>.
- S5. “Kinematical equivalence and cosmic conspiracies,” with Caspar Jacobs. Submitted to *The British Journal for the Philosophy of Science*. <https://philsci-archive.pitt.edu/id/eprint/24504>.
- S4. “Reduction, sophistication, and equivalence in teleparallel gravity,” with Lu Chen and James Read. Submitted to *European Journal for the Philosophy of Science*. <https://philsci-archive.pitt.edu/id/eprint/23834>.
- S3. “What is the value in an intrinsic formalism?” Submitted to *Erkenntnis*. <http://philsci-archive.pitt.edu/id/eprint/23220>.
- S2. “Non-relativistic twistor theory: Newtonian limits and gravitational collapse.” Submitted to *Philosophy of Physics*. <http://philsci-archive.pitt.edu/id/eprint/22924>.
- S1. “On coordinate-based and coordinate-free approaches to Newtonian gravitation on Maxwellian spacetime.” Submitted to *Philosophy of Science*. <http://philsci-archive.pitt.edu/id/eprint/22958>.

Works in progress

- W1. “Natural theories,” with James Owen Weatherall.
- W2. “Interpretation, translation, and semantic privilege.”
- W3. “New work for the kinematics-dynamics distinction.”
- W4. “‘I must be imagining this.’ On the possibility of self-gaslighting,” with Jingyi Wu.
- W5. “Teleparallel gravity as higher gauge theory: an assessment,” with James Read and Nicholas J. Teh.
- W6. “Measurement in physics and beyond,” with Sebastián Murgueitio-Ramírez.
- W7. “Why philosophers of physics need a feminist epistemology of physics.”

TALKS

Invited talks

- IT8. “Minimal coupling, the strong equivalence principle, and the adaptation of matter to spacetime geometry.” Lugano, September 2025 (scheduled).
- IT7. “‘I must be imagining this.’ On the possibility of self-gaslighting.” LSE, 11th March 2025 (scheduled).
- IT6. “‘I must be imagining this.’ On the possibility of self-gaslighting.” UCL LEMM (Language, Epistemology, Metaphysics, and Mind) seminar, 18th February 2025.
- IT5. “Carroll gravity.” Oxford Philosophy of Physics seminar, 31st October 2024 (with James Read).

- IT4. “On some examples from first-order logic as motivation for categorical equivalence of KPMS.” Workshop on Theory, Equivalence, and Interpretation in Logic, Mathematics, and Science, Bristol, 1st August 2024.
- IT3. “On some examples from first-order logic as motivation for categorical equivalence of KPMS.” ILMPS conference, London, 11th June 2024.
- IT2. “On some examples from first-order logic as motivation for categorical equivalence of KPMS.” Oxford Philosophy of Physics mini-workshop, 9th May 2024.
- IT1. “Are Maxwell gravitation and Newton-Cartan theory theoretically equivalent?” SoCal Philosophy of Physics group, 13th April 2024.

Refereed talks

- RT3. “Categorical equivalence and the kinematics-dynamics distinction.” Symposium on kinematics and dynamics, BSPS, Glasgow, July 2025 (scheduled).
- RT2. “Why philosophers of physics need a feminist epistemology of physics.” Feminist mathematical philosophy workshop, London, 7th March 2025.
- RT1. “The non-relativistic limit and common cores of geometric trinitities.” Symposium on the geometric trinity of gravity, PSA, New Orleans, 16th November 2024 (with William J. Wolf).

Other talks

- OT4. “But what was Newton up to, really? Understanding Du Châtelet on the logical structure of the *Principia*.” Oxford PoP-Grunch seminar, 20th February 2025.
- OT3. “What is minimal coupling, really?” Oxford PoP-Grunch seminar, 17th October 2024.
- OT2. “Is the Deutsch-Wallace theorem redundant?” Oxford PoP-Grunch seminar, 29th November 2023.
- OT1. “Maxwell gravitation, Newton-Cartan theory, and the non-relativistic geometric trinity.” Oxford PoP-Grunch seminar, 1st November 2023.

Other conference participation

- Invited discussant, New Directions in the Foundations of Physics, Logar Valley, May 2025.

TEACHING

- *Philosophy of Science*: tutorials MT24, HT25, TT25; collection marking TT24, HT25, TT25; revision tutorials TT24
- *Intermediate Philosophy of Physics (QM and SR)*: tutorials MT24, collection marking HT25
- *The Leibniz-Clarke Correspondence*: tutorials TT25

SERVICE

- Reviewer for: *British Journal for the Philosophy of Science*, *Philosophy of Physics*, *Philosophy of Science*, *Synthese*
- Organiser and convenor for the Philosophy of Physics Graduate Lunch Seminar (2024/25 Academic Year)

MISC.

- Languages: English – native, German – proficient
- Music: grade 8 violin and piano, General Secretary of the Balliol Music Society (2024)