

Schedule: Oxford Quantum Centenary Conference 21-23 November 2025

T.S. Eliot Lecture Theatre Merton College

Thursday 20th

1.15pm Merton College Chapel 'Quantum Universe' symphony for organ and quantum guitar, world premiere. Rakhat-Bi Abdyssagin and Bob Coecke.

6.00-7.30pm Paul Davies outreach talk 'Navigating the Quantum Wonderland', Martin Wood Lecture Theatre, Clarendon Laboratory, Parks Road.

Friday 21st

8.30-9.05am Registration, tea and coffee, Foyer.

9.05-9.15am Opening remarks (Chris Timpson).

9.15-10.15am Simon Saunders, 'What Quantum? Einstein's Journey', incl. Q&A.

10.15-11.15am Elise Crull, 'What's the matter? The path from electron diffraction to duality', incl. Q&A.

11.15-11.45am Tea and coffee, Foyer.

11.45am-12.45pm Guido Bacciagaluppi, 'Bohr was not obscure!', incl. Q&A.

12.45-2.15pm Lunch, Foyer.

2.15-3.15pm: Eric Cavalcanti, 'Locality, causality, and all that: from EPR to Bell's theorems and beyond', incl. Q&A.

3.15-4.15pm Matt Leifer, 'The Many Faces of Quantum Contextuality' incl. Q&A.

4.15-4.45pm Tea and coffee, Foyer.

4.45-5.45pm What Quantum? – Panel Discussion

5.45-6.45pm Roger Penrose, 'Classical and Quantum Realities', incl. Q&A.

6.45pm Drinks and nibbles, Foyer.

Saturday 22nd

8.45-9.30am Tea and coffee, Foyer.

9.30-10.30am Gerard Milburn, 'Quantum Machines Learning Quantum', incl. Q&A.

10.30-11.30am Nicole Yunger Halpern, '“In the continual whirl and din of the factory”: Thermodynamics meets quantum (information) science', incl. Q&A.

11.30am-12.00pm Tea and coffee, Foyer.

12.00-1.00pm Lucien Hardy, 'Operationalism, Causality, and Quantum Theory: a mostly time symmetric perspective', incl. Q&A.

1.00-2.30pm Lunch, Foyer.

2.30-3.30pm Natalia Ares, 'From machine learning-based control of quantum devices to the thermodynamics of learning', incl. Q&A.

3.30-4.30pm Wayne Myrvold, 'A new argument for gravitational collapse?', incl. Q&A.

4.30-5.00pm Tea and coffee, Foyer.

5.00-6.00pm Bob Coecke, 'From quantum picturalism, to education, cognition, AI, and music', incl. Q&A.

6.45 for 7.15pm Conference Dinner, Brasenose College (Invitation only)

Sunday 23rd

9.00-10.00am Tea and coffee, Foyer

10.00-11.00am Antony Valentini, 'Beyond the Born rule in quantum gravity and high-energy physics' incl. Q&A.

11.00-11.30am Tea and coffee, Foyer.

11.30am-12.30pm David Wallace, 'Shut Up and Calculate in the Everett Interpretation', incl. Q&A.

12.30-1.45pm Lunch, Foyer.

1.45-2.45pm Emily Adlam, 'Relational Interpretations: Why and How?', incl. Q&A.

2.45-3.45pm Jon Barrett, Quantum Causal Models incl. Q&A.

3.45-4.15pm Tea and coffee, Foyer.

4.15-5.15pm Nick Ormrod, 'Quantum Theory, Dynamics First', incl. Q&A.

5.15-6.15pm Chris Fuchs, 'From Wheeler to QBism and back to Wheeler', incl. Q&A.

8pm Quantum Music Concert, Holywell Music Room. Rakhat-Bi Abdyssagin and Bob Coecke.