

22ND



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Thursday, January 2nd, 2020 (Oxford day)

Morning (11.00-14.00): Visit to Oxford.

Afternoon (14.00-18.00): Academic sessions on “Science and the Quest for Truth”.
Department of Atomic and Laser Physics, Clarendon Laboratory
Parks Road, Oxford, OX1 3PU

We meet at the Entrance at 13.45.

14.00 *Andrew M. Steane (Clarendon Laboratory, University of Oxford):*
Emergent quantum technologies
Introductory talk with a visit to the Lab.

Presentations in The Simpkins Lee room, Physics Dept.

14.45 **Antoine Suarez** (*Institute for Interdisciplinary Studies, Zürich and Geneva*):
Defining what is science in the light of recent results on quantum
superposition.

15.05 Discussion

15.15 **Andrew Steane** (*Clarendon Laboratory, University of Oxford*):
What science can and cannot do.
(Based on the book *Science and Humanity*, OUP)

15.35 Discussion

15.45 **Mark Fox** (*University of Sheffield*): “Laws of nature” according to C.S. Lewis.

16.05 Discussion

16.15 Coffee break

16.45 **Alfred Driessen** (*emeritus, University of Twente*)
The quest for truth of Stephen Hawking

17.05 Discussion

17.15 **Paul Shrimpton** (*Grandpont House*)
Knowledge and truth in J.H. Newman.

17.40 Discussion

17.45 **Ilyas Khan** (*Inaugural Chairman of the Stephen Hawking Foundation and
CEO of Cambridge Quantum Computing*):
Concluding remarks.



**NETHERHAL
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**GRANDPONT
HOUSE**



Friday, January 3rd, 2020

Academic sessions and tutorials in Netherhall House, London. (10.00 – 18.00 h.)

Morning: The scientific roots of our culture.

- 09.45 **Raúl C. Rosales** (*Netherhall House, Honorary Research Fellow, Imperial College*):
Organizational Issues.
Antoine Suarez (*Institute for Interdisciplinary Studies, Zürich and Geneva*):
Opening Note.
- 10.00 **Massimiliano Berti** (*SISSA, Trieste*):
On the concept of probability.
- 10.30 **Miranda Faul, Karla Rojas, Iris Schuring, and Joanna Terpstra** (*Amsterdam University College-AUC*)
Quantum Mechanics: Getting to know the basics.
- 10.50 *Discussion.*
- 11.00 **Gennaro Luise** (*Pontificia Università della Santa Croce, Rome*):
Mind and necessity.
- 11.30 *Coffee Break.*
- 12.00 **Sebastian de Haro** (*University of Amsterdam and University of Cambridge*):
Science and Philosophy: A love–hate relationship.
- 12.30 **Iris Delnoij, Amal Salman, Hsiu-Min Wu, and Eric Zhang** (*Amsterdam University College-AUC*)
The Multiverse versus the Copenhagen interpretation of Quantum Mechanics
- 12.50 *Discussion*
- 13.15 *Buffet lunch*

Afternoon: What does it mean to be human?

- 14.30 Panel: “When does Humanity begin?”
Introduction: **Antoine Suarez** (*IIS, Zürich and Geneva*): The disappearance of intermediate varieties.
Statements by:
Mark Thomas (*University College London*): Our fractured African origins.
Mark Fox (*University of Sheffield*): Evolution in C.S. Lewis and J.H. Newman.
Dominic Jones (*University of Reading*): Evolution and ‘Substance’, an Aristotelian perspective.
Tim Craggs (*University of Sheffield*): Micro- and macroevolution.
- 15.30 *Panel discussion*
- 16.00 *Coffee break*
- 16.30 **Matteo Lovo** (*University of Pisa*):
The “knowledge of good and evil”, and the emergence of Law.
- 17.00 **Carmine Ragone** (*University of Zürich*)
The emergence of writing, money, and accountancy.
- 17.30 *Discussion*



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Saturday, January 4th, 2020

Academic sessions and tutorials in Netherhall House, London. (10.00 – 18.00 h.)

Morning: The challenge of machine intelligence – ethics or rule?

10.30 **Selma Coecke** (*University College London*) and **Ilyas Khan** (*Inaugural Chairman of the Stephen Hawking Foundation and CEO of Cambridge Quantum Computing*)

11.30 Coffee Break

12.00 Interactive part

13.00 **Peter Adams:** Concluding remarks.

13.15 Buffet Lunch

Afternoon: What does it mean to be human?

14.30 **Francisco Moya**, (*Radiologist, Founder of the introspection research group "Palingenesis of the person", Sevilla*) and **Begoña Olábarri** (*Group "Palingenesis of the person", Madrid*).
The roots of illness.

15.00 Discussion

15.15 **Timothy Daly** (*Sorbonne Université, Faculté des Lettres, Paris*):
The problem of reductionism in neuroscience.

15.40 Discussion.

15.45 **Fabio Massaioli** (*University of Rome III*)
The desire for unlimited happiness as a distinctive characteristic of humans.

16.10 Discussion.

16.15 **Jean-David Ponci** (*Institute for Interdisciplinary Studies, Geneva*)
Aging and the dream of immortality.

16.40 Discussion.

16.45 Panel on "Health, Illness, Consciousness, and Happiness".

17.15 Coffee Break.

17.45 Concluding talk.
General discussion and suggestions.

18.00 End of the Conference.



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