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| **TO MAGNIFICO RETTORE OF UNIVERSITA’ DEGLI STUDI DI MILANO ID CODE \_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  |
| I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Physica**  Scientist- in – charge: **Professor Silvia di Bianchi** |
|  |

**[Name and surname]**

**CURRICULUM VITAE**

PERSONAL INFORMATION

|  |  |
| --- | --- |
| Surname | Adlam |
| Name | Emily |

PRESENT OCCUPATION

|  |  |
| --- | --- |
| Appointment | Structure |
| Postdoctoral Associate | University of Western Intario |

EDUCATION AND TRAINING

|  |  |  |  |
| --- | --- | --- | --- |
| Degree | Course of studies | University | year of achievement of the degree |
| Degree | MPhysPhil | University of Oxford | 2013 |
| Specialization | MSci Perimeter Scholars International | University of Waterloo | 2014 |
| PhD | PhD in theoretical physics | University of Cambridge | 2018 |
| Master |  |  |  |
| Degree of medical specialization |  |  |  |
| Degree of European specialization |  |  |  |
| Other |  |  |  |

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

|  |  |  |
| --- | --- | --- |
| Date of registration | Association | City |
|  |  |  |

FOREIGN LANGUAGES

|  |  |
| --- | --- |
| Languages | level of knowledge |
| French | High School |

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

|  |  |
| --- | --- |
| Year | Description of award |
| 2017 | Essay `Fundamental?' winner of first prize in the annual FXQi essay competition |
| 2013 | Gibbs Prize for the best performance in Philosophy in the Final Honour School of Physics and Philosophy Part C, Oxford |
| 2013 | Joint winner of the Elizabeth Anscombe Thesis Prize for the best Final Honour School Philosophy thesis, Oxford |
| 2014 - 2017 | Krishnan-Ang Studentship for an exceptional overseas students in the Natural Sciences, Trinity College Cambridge |

TRAINING OR RESEARCH ACTIVITY

|  |
| --- |
| description of activity |

PROJECT ACTIVITY

|  |  |
| --- | --- |
| Year | Project |
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PATENTS

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| Patent |
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CONGRESSES AND SEMINARS

|  |  |  |
| --- | --- | --- |
| Date | Title | Place |
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PUBLICATIONS

|  |
| --- |
| Books |
| `Foundations of Quantum Mechanics' for Cambridge University Press Elements of Philosophy series (2021) |

|  |
| --- |
| Articles in reviews |
| Operational Theories as Structural Realism' Studies in History and Philosophy of Science (2022) |
| `Two Roads to Retrocausality' Synthese (2022) |
| `Does Science Need Intersubjectivity? The Problem of Confirmation in Orthodox Interpretations of Quantum Mechanics' Synthese (2022) |
| `Determinism Beyond Time Evolution' European Journal for Philosophy of Science (2022) |
| `Laws of Nature as Constraints' Foundations of Physics (2022) |
| `Watching the Clocks: Interpreting the Page-Wootters Formalism and the Internal Quantum Reference Frame Programme' Foundations of Physics (2022) |
| `Tabletop Experiments for Quantum Gravity Are Also Tests of the Interpretation of Quantum Mechanics' Foundations of Physics (2022) |
| `Contextuality, Fine-Tuning and Teleological Explanation' Foundations of Physics (2021) |
| Fundamental?' in collection What is Fundamental? (Springer Nature, 2018) |
| Quantum Mechanics and Global Determinism' Quanta (2018) |
| `Spooky Action at a (Temporal) Distance' Entropy (2018) |
| `The Problem of Confirmation in the Everett Interpretation' Studies in History and Philosophy of Science Part B: Studies in History and Philosophy of Modern Physics (2014) |
| `Symmetry and Control in Thermodynamics' with N. Allen and L. Uribarri, AVS Quantum Science (2022) |
| `The Operational Choi-Jamiolkowski Isomorphism' Entropy (2020) |
| `Knowledge-Concealing Evidencing of Knowledge about a Quantum State' with A. Kent, Phys. Rev. Lett. (2017) |
| `A Quantum Paradox of Choice: More Freedom Makes Summoning a Quantum State Harder,' with A. Kent Physical Review A, (2015) |
| `Device-Independent Relativistic Quantum Bit Commitment' with A. Kent, Physical Review A (2015) |
| `Deterministic Relativistic Quantum Bit Commitment' with A. Kent, International Journal of Quantum Information (2015) |
| `Thermalization and canonical typicality in translation-invariant quantum lattice systems' with M. Mueller, L. Masanes and N. Wiebe, Communications in Mathematical Physics (2014) |

|  |
| --- |
| Congress proceedings |
| [title, structure, place, year] |
| [title, structure, place, year] |
| [title, structure, place, year] |

OTHER INFORMATION

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Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: London Ontario, 10/1/22