

Curriculum Vitae

JUAN MARTÍN MALDACENA

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Education and Professional Experience

- 2016 - present, Carl P. Feinberg Professor at the Institute for Advanced Study
- 2001 - present, Professor at the Institute for Advanced Study
- 1999-2001 Professor of Physics at Harvard University.
- 1998-1999 Tomas D. Cabot Associate Professor at Harvard University.
- 1997, Visiting Associate Professor at Harvard University.
- 1996-1997: Research Associate (post-doc) at Rutgers University.
- 1992-1996 Ph.D. Program at Princeton University. Ph.D. advisor C. Callan.
- 1988-1991 Student at Instituto Balseiro from the Universidad de Cuyo, Bariloche, Argentina. “Licenciatura” supervised by G. Aldazabal.
- 1986-1988 Student at the University of Buenos Aires, Argentina.

Professional Societies and Other Activities

- Member of The World Academy of Sciences (TWAS)
- Member of the National Academy of Sciences
- Member of the Committee for the Mathematical Sciences in 2025 Study of the National Academy of Sciences
- Member of the American Physical Society
- Member of the American Academy of Arts and Sciences
- Member of the Scientific Council for the International Center for Theoretical Physics
- Member of the steering committee for the ICTP South American Center for Theoretical Physics (at Sao Paulo)

Honors and Awards

- 2012, Milner Foundation Fundamental Physics Prize
- 2012, I.Ya.Pomeranchuk Prize
- 2008, ICTP Dirac Medal
- 2007, Dannie Heineman Prize for Mathematical Physics
- 2004, Distinguished Lecturer at Stanford University
- 2004, APS Edward A. Bouchet Award
- 2002, Pius XI Medal
- 2001, Xanthopoulos Prize in General Relativity
- 2000, Sackler Prize in Physics
- 1999, UNESCO Husein Prize for Young Scientists
- 1999, MacArthur Fellowship
- 1998, Packard Fellowship in Science and Engineering
- 1998, Sloan Fellowship

List of Publications

References

- [1] D. L. Jafferis, A. Lewkowycz, J. Maldacena and S. J. Suh, “Relative Entropy Equals Bulk Relative Entropy,” arXiv:1512.06431 [hep-th].
- [2] V. Alba and J. Maldacena, “Primordial Gravity Wave Background Anisotropies,” arXiv:1512.01531 [hep-th].
- [3] J. Maldacena, D. Simmons-Duffin and A. Zhiboedov, “Looking for a Bulk Point,” arXiv:1509.03612 [hep-th].
- [4] J. Maldacena, “A Model with Cosmological Bell Inequalities,” Fortsch. Phys. **64**, 10 (2016), [arXiv:1508.01082 [hep-th]].
- [5] N. Arkani-Hamed and J. Maldacena, “Cosmological Collider Physics,” arXiv:1503.08043 [hep-th].
- [6] J. Maldacena, S. H. Shenker and D. Stanford, “A Bound on Chaos,” arXiv:1503.01409 [hep-th].
- [7] J. Maldacena, “The Symmetry and Simplicity of the Laws of Physics and the Higgs Boson,” Eur. J. Phys. **37**, no. 1, 015802 (2016), arXiv:1410.6753 [physics.pop-ph].
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- [10] J. Maldacena, “Testing Gauge/Gravity Duality on a Quantum Black Hole,” Science **344**, no. 6186, 806 (2014).
- [11] R. Bousso, H. Casini, Z. Fisher and J. Maldacena, “Proof of a Quantum Bousso Bound,” Phys. Rev. D **90**, no. 4, 044002 (2014) arXiv:1404.5635 [hep-th].
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- [16] A. Lewkowycz and J. Maldacena, “Generalized Gravitational Entropy,” *JHEP* **1308**, 090 (2013) [arXiv:1304.4926 [hep-th]].
- [17] T. Hartman and J. Maldacena, “Time Evolution of Entanglement Entropy from Black Hole Interiors,” *JHEP* **1305**, 014 (2013) [arXiv:1303.1080 [hep-th]].
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