

# Curriculum Vitae

## JUAN MARTÍN MALDACENA

### Personal

**Date of Birth:** September 10, 1968

**Place of Birth:** Buenos Aires, Argentina

**Nationality:** US citizen, Argentina, Italy

**Address:** Institute for Advanced Study, School of Natural Sciences, 1 Einstein Drive,  
Princeton, NJ 08540 USA

**Telephone:** (609) 734-8307

**Fax Number:** (609) 951-4489

**E-mail:** malda@ias.edu

### 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)
- Honorary doctorates at the University of Buenos Aires, University of Cordoba, Argentina and the KU Leuven (2022)

## Honors and Awards

- 2022, “Mención de Honor Diputado Nacional Dr. Juan Bautista Alberdi”, Cámara de Diputados, Argentina
- 2019, Galileo Galilei Medal
- 2018, Lorentz Medal
- 2018, Richard E. Prange Prize
- 2018, Einstein Medal
- 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] J. Maldacena and G. N. Remmen, “Accumulation-Point Amplitudes in String Theory,” [arXiv:2207.06426 [hep-th]].
- [2] H. W. Lin, J. Maldacena, L. Rozenberg and J. Shan, “Holography for people with no time,” [arXiv:2207.00407 [hep-th]].
- [3] H. W. Lin, J. Maldacena, L. Rozenberg and J. Shan, “Looking at supersymmetric black holes for a very long time,” [arXiv:2207.00408 [hep-th]].
- [4] Y. Chen, J. Maldacena and E. Witten, “On the black hole/string transition,” [arXiv:2109.08563 [hep-th]].
- [5] Y. Chen and J. Maldacena, “String scale black holes at large D,” JHEP **01**, 095 (2022) doi:10.1007/JHEP01(2022)095 [arXiv:2106.02169 [hep-th]].
- [6] M. Grinberg and J. Maldacena, “Proper time to the black hole singularity from thermal one-point functions,” JHEP **03**, 131 (2021) doi:10.1007/JHEP03(2021)131 [arXiv:2011.01004 [hep-th]].
- [7] J. Maldacena and A. Milekhin, “Humanly traversable wormholes,” Phys. Rev. D **103**, no.6, 066007 (2021) doi:10.1103/PhysRevD.103.066007 [arXiv:2008.06618 [hep-th]].
- [8] Y. Chen, V. Gorbenko and J. Maldacena, “Bra-ket wormholes in gravitationally prepared states,” JHEP **02**, 009 (2021) doi:10.1007/JHEP02(2021)009 [arXiv:2007.16091 [hep-th]].
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- [10] J. Maldacena, “Comments on magnetic black holes,” JHEP **04**, 079 (2021) doi:10.1007/JHEP04(2021)079 [arXiv:2004.06084 [hep-th]].
- [11] J. Maldacena, “Black holes and quantum information,” Nature Rev. Phys. **2**, no.3, 123-125 (2020) doi:10.1038/s42254-019-0146-z
- [12] J. Maldacena and A. Milekhin, “SYK wormhole formation in real time,” JHEP **04**, 258 (2021) doi:10.1007/JHEP04(2021)258 [arXiv:1912.03276 [hep-th]].
- [13] A. Almheiri, T. Hartman, J. Maldacena, E. Shaghoulian and A. Tajdini, “Replica Wormholes and the Entropy of Hawking Radiation,” JHEP **05**, 013 (2020) doi:10.1007/JHEP05(2020)013 [arXiv:1911.12333 [hep-th]].
- [14] A. Almheiri, R. Mahajan and J. Maldacena, “Islands Outside the Horizon,” arXiv:1910.11077 [hep-th].

- [15] J. Maldacena, “Developments in Black Hole Entropy,” doi:10.1142/9789811203961\_0008
- [16] A. Almheiri, R. Mahajan, J. Maldacena and Y. Zhao, “The Page curve of Hawking radiation from semiclassical geometry,” JHEP **03**, 149 (2020) doi:10.1007/JHEP03(2020)149 [arXiv:1908.10996 [hep-th]].
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- [20] J. Maldacena, “Black Hole Entropy and Quantum Mechanics,” arXiv:1810.11492 [hep-th].
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