

# Curriculum Vitae

## JUAN MARTÍN MALDACENA

### Personal

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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)
- 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] A. Biggs and J. Maldacena, “Comparing the Decoherence Effects Due to Black Holes Versus Ordinary Matter,” [arXiv:2405.02227 [hep-th]].
- [2] J. Maldacena, “Comments on the No Boundary Wavefunction and Slow Roll Inflation,” [arXiv:2403.10510 [hep-th]].
- [3] J. Maldacena, “The AdS/CFT Correspondence,” doi:10.1007/978-981-19-3079-9\_65-1
- [4] A. Herderschee and J. Maldacena, “Soft Theorems in Matrix Theory,” [arXiv:2312.15111 [hep-th]].
- [5] A. Herderschee and J. Maldacena, “Three Point Amplitudes in Matrix Theory,” J. Phys. A **57**, no.16, 165401 (2024) doi:10.1088/1751-8121/ad389b [arXiv:2312.12592 [hep-th]].
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- [7] A. Biggs, J. Maldacena and V. Narovlansky, “A Supersymmetric SYK Model with a Curious Low Energy Behavior,” [arXiv:2309.08818 [hep-th]].
- [8] J. Maldacena, “A Simple Quantum System that Describes a Black Hole,” [arXiv:2303.11534 [hep-th]].
- [9] A. Biggs and J. Maldacena, “Scaling Similarities and Quasinormal Modes of D0 Black Hole Solutions,” JHEP **11**, 155 (2023) doi:10.1007/JHEP11(2023)155 [arXiv:2303.09974 [hep-th]].
- [10] I. Bah, Y. Chen and J. Maldacena, “Estimating Global Charge Violating Amplitudes from Wormholes,” JHEP **04**, 061 (2023) doi:10.1007/JHEP04(2023)061 [arXiv:2212.08668 [hep-th]].
- [11] D. Harlow, S. Kachru, J. Maldacena, I. Bah, M. Blake, R. Bousso, M. Cvetič, X. Dong, N. Engelhardt and T. Faulkner, *et al.* “TF1 Snowmass Report: Quantum Gravity, String Theory, and Black Holes,” [arXiv:2210.01737 [hep-th]].
- [12] J. Maldacena and G. N. Remmen, “Accumulation-Point Amplitudes in String Theory,” JHEP **08**, 152 (2022) doi:10.1007/JHEP08(2022)152 [arXiv:2207.06426 [hep-th]].
- [13] H. W. Lin, J. Maldacena, L. Rozenberg and J. Shan, “Holography for people with no time,” SciPost Phys. **14**, no.6, 150 (2023) doi:10.21468/SciPostPhys.14.6.150 [arXiv:2207.00407 [hep-th]].

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