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Born: December 29, 1975—Santiago, Chile

Nationality: Chilean and Italian

Languages: Castellano (native); English (fluent); Deutsch (B2/C1); Français (A2).

Current positions

Director, Instituto Milenio de Astrofísica

Full Professor, Facultad de Ingeniería y Ciencias, Universidad Adolfo Ibáñez

Director of Research and Innovation, Facultad de Ingeniería y Ciencias, Universidad Adolfo Ibáñez

Areas of specialization

Discovery and Characterization of Extrasolar planets

Instrumentation, especially small telescopes

Nearby early-type galaxies and their star clusters

Time domain Astronomy

Appointments held

2004-2007	ESO Fellow, European Southern Observatory, Germany
2007-2008	Clay Fellow, Harvard-Smithsonian Center for Astrophysics, USA
2008-2012	Assistant Professor, Instituto de Astrofísica, Pontificia Universidad Católica de Chile
2017	Guest researcher, Max-Planck-Institut für Astronomie, Heidelberg, Germany
2012-2019	Associate Professor, Instituto de Astrofísica, Pontificia Universidad Católica de Chile

Education

- 1998 BSc in Physics, Universidad de Chile
2004 PhD in Physics, Rutgers University, USA

Awards, Fellowships and Distinctions

- 2020 Appointed by the president of Chile to the Advisory Board of the Ministry of Science, Technology, Knowledge and Innovation.
2016 Selected for the “Frontier Science Program” of the Chilean Academy of Sciences.
2014 Selected by *LatinAmericanScience.Org* and *Qué Pasa* magazine as one of the 30 most influential scientist under 40 in Latin America
2013 UC-Santander China Fellowship
2009 Visiting Professor, Institut d’Astrophysique de Paris, Université de Paris VI (PICS-CNRS)
2007 Clay Fellowship, Harvard-Smithsonian Center for Astrophysics
2004 ESO Fellowship, European Southern Observatory
2004 Chosen as one of the 100 leaders under 30 years in Chile by *El Mercurio*
2001-2004 Claudio Anguita Fellowship (NSF-AURA)
1994-1997 Academic Excellence Scholarship, Universidad de Chile

Publications

Over 215 refereed articles accumulating more than 13700 citations to date (h-index=59).

Lists of publications in the form of ADS libraries can be found by following these links: 1. [full list](#) of publications 2. publications in the field of [extrasolar planets and binaries](#).

SELECTED ARTICLES

- 2022 “HATS-74Ab, HATS-75b, HATS-76b and HATS-77b: Four Transiting Giant Planets around K and M Dwarfs”, *Astronomical Journal*, in press
2020 Jordán et al., “TOI-677b: A Warm Jupiter (P=11.2d) on an eccentric orbit transiting a late F-type star”, *Astronomical Journal*
2020 Weaver et al., “ACCESS: A Visual to Near-infrared Spectrum of the Hot Jupiter WASP-43b with Evidence of H₂O, but no evidence of Na or K”, *Astronomical Journal*
2019 Jordán et al., “K2-287b: an Eccentric Warm Saturn transiting a G-dwarf”, *Astronomical Journal*
2019 Espinoza, Rackham, Jordán et al., “ACCESS: A featureless optical transmission spectrum for WASP-19b from Magellan/IMACS”, *Monthly Notices of the Royal Astronomical Society*.
2018 Brahm, Espinoza, Jordán et al., “K2-232 b: a transiting warm Saturn on an eccentric P = 11.2 days orbit around a V = 9.9 star”, *Monthly Notices of the Royal Astronomical Society*
2017 Rackham, Espinoza, Apai, Lopez-Morales, Jordán et al., “ACCESS I: An Optical Transmission Spectrum of GJ 1214b Reveals a Heterogeneous Stellar Photosphere”, *The Astrophysical Journal*
2016a Espinoza & Jordán, “Limb darkening and exoplanets - II. Choosing the best law for optimal

- retrieval of transit parameters”, *Monthly Notices of the Royal Astronomical Society*
- 2016b Espinoza, Brahm, Jordán et al., “Discovery and Validation of a High-Density sub-Neptune from the K2 Mission”, *Astrophysical Journal*
- 2016c Booth, Jordán, et al., “Resolving the planetesimal belt of HR 8799 with ALMA”, *Monthly Notices of the Royal Astronomical Society*
- 2015a Brahm, Jordán, Bakos et al., “HATS-17b: A Transiting Compact Warm Jupiter in a 16.3 Days Circular Orbit”, *Astronomical Journal*
- 2015b Espinoza & Jordán “Limb darkening and exoplanets: testing stellar model atmospheres and identifying biases in transit parameters”, *Monthly Notices of the Royal Astronomical Society*
- 2014a Jordán, Brahm, Bakos et al., “HATS-4b: A Dense Hot Jupiter Transiting a Super Metal-rich G star”, *Astronomical Journal*
- 2014b Fraine, Deming, Benneke, Knutson, Jordán et al., “Water vapour absorption in the clear atmosphere of a Neptune-sized exoplanet”, *Nature*
- 2013 Jordán, Espinoza, Rabus et al. “A Ground-based Optical Transmission Spectrum of WASP-6b”, *Astrophysical Journal*
- 2012 Casassus, Perez, Jordán et al., “The Dynamically Disrupted Gap in HD 142527”, *Astrophysical Journal*
- 2010 Villegas, Jordán et al., “The ACS Fornax Cluster Survey. VIII. The Luminosity Function of Globular Clusters in Virgo and Fornax Early-type Galaxies and Its Use as a Distance Indicator”, *Astrophysical Journal*
- 2009 Blakeslee, Jordán et al, “The ACS Fornax Cluster Survey. V. Measurement and Recalibration of Surface Brightness Fluctuations and a Precise Value of the Fornax-Virgo Relative Distance”, *Astrophysical Journal*
- 2008 Jordán & Bakos, “Observability of the General Relativistic Precession of Periastra in Exoplanets”, *Astrophysical Journal*
- 2007 Jordán et al, “Low-Mass X-Ray Binaries and Globular Clusters in Centaurus A”, *Astrophysical Journal*
- 2006 Peng, Jordán et al., “The ACS Virgo Cluster Survey. IX. The Color Distributions of Globular Cluster Systems in Early-Type Galaxies”, *Astrophysical Journal*
- 2005 Jordán et al., “The ACS Virgo Cluster Survey. X. Half-Light Radii of Globular Clusters in Early-Type Galaxies: Environmental Dependencies and a Standard Ruler for Distance Estimation”, *Astrophysical Journal*
- 2004 Jordán, “A Possible Explanation for the Size Difference of Red and Blue Globular Clusters”, *Astrophysical Journal Letters*
- 2004 Jordán et al., “The ACS Virgo Cluster Survey. III. Chandra and Hubble Space Telescope Observations of Low-Mass X-Ray Binaries and Globular Clusters in M87”, *Astrophysical Journal*

Teaching & graduate student supervision

- 2012-2017 PhD advisor for Néstor Espinoza (PhD awarded Oct 2017)
- 2011-2016 PhD advisor for Rafael Brahm (PhD awarded Jan 2016)
- 2019-now MSc advisor for Pascal Torres (ongoing)

2019-2022 MSc advisor for Felipe Rojas (awarded July 2022)
 2011-2012 MSc advisor for Mauricio Ortiz (MSc awarded 2012)
 2008-now Lecturer for the following courses: Astrostatistics, Exoplanets, Experimental Astrophysics, Extragalactic Astrophysics, Mechanics, Radiative Processes, Electromagnetism

Service to the profession

2022 External Examiner for a MSc thesis at Warwick University, UK and two PhD theses at Universidad de Chile
 2020-now Member of the Advisory Council for the Minister of Science, Chile
 2019 Member of the Gemini Observatory Time Domain Advisory (TDA) group.
 2017-2018 Member of AURA Oversight Council for Gemini (AOC-G).
 2016 Panel Member of the ESO proposal review.
 2014-2016 Member of the Board of the Chilean National Time Allocation Committee.
 2015-2016 Member, Astronomy, Cosmology and Particles review panel of FONDECYT.
 2013-2015 Director, Astronomy, Cosmology and Particles review panel of FONDECYT.
 2014 Panel member for the Chilean National Time Allocation Committee (CNTAC).
 2012-2014 Panel member for the ALMA proposal review; Chair of the Chilean Review Committee.
 2012-2014 Member of the Advisory Board of the Astronomy program of CONICYT.
 2012-2013 Member of the Physics review panel of FONDECYT.
 2009-2011 Panel member for the Chilean National Time Allocation Committee (CNTAC).
 2008 Panel member for the *Chandra* X-Ray telescope Time Allocation Committee.
 2007 External Examiner for a PhD thesis at the Australian National University.
 2005-now Referee for ApJ, PASP, MNRAS, A&A, Canadian TAC and CONICYT.

Grants

2021-now Principal Investigator, Fondecyt Regular project 1210718 (≈ 220 million CLP)
 2019-now Director, Instituto Milenio de Astrofísica “MAS” (≈ 900 million CLP/year)
 2018-now Principal Investigator, QUIMAL project “Space Photometry from the Ground” (200 million CLP)
 2017-2021 Principal Investigator, Fondecyt Regular project 1171208 (≈ 250 million CLP)
 2014-2018 Investigador Asociado, Instituto Milenio de Astrofísica “MAS” (≈ 900 million CLP/year)
 2015-2018 Principal Investigator, QUIMAL project “Development of HATPI for high cadence ultra-precise monitoring of the entire optical sky” (200 million CLP)
 2013-2017 Principal Investigator, Fondecyt Regular project 1130857 (≈ 120 million CLP)
 2013-2015 Principal Investigator, FONDEQUIP project EQM 130030 (≈ 140 million CLP)
 2009-2014 Investigador Asociado, Núcleo Milenio “MWM” (≈ 200 million CLP/year)
 2009-2013 Investigador Asociado, proyecto Anillo ACT-086
 2011-2013 Principal Investigator, ALMA-CONICYT project 31110009 (USD 70000)
 2009-2011 Principal Investigator, ALMA-CONICYT project 31090015 (USD 70000)
 2009-2012 Principal Investigator, Fondecyt Regular project 1095213 (≈ 100 million CLP)

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