

Jorge A. Zavala

UMass Amherst | Assistant Professor



contact

e-mail: jzavala@umass.edu
618 LGRT 710 N. Pleasant St.
Amherst, MA 01003

Research interests

Galaxy formation and evolution
(Sub-)millimeter astronomy
Starbursts
High-redshift galaxies
Dust & Gas
Galaxy clusters

Collaborations

JWST/COSMOS-Web
JWST/CEERS
COSMOS Team
ALMA/CHAMPS
LMT/TolTEC
JCMT/S2CLS

Other interests

Photography
Soccer
Beer
Movies

About me

0000-0002-7051-1100

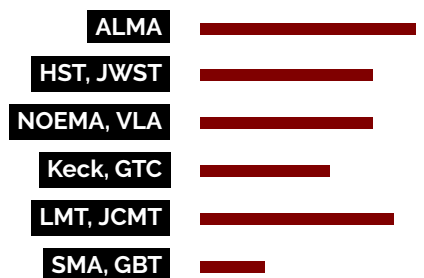
SHORT RESUMÉ

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|-----------|--|--|
| 2025– | University of Massachusetts Amherst
ASSISTANT PROFESSOR · Department of Astronomy 📍
Leading multi-wavelength studies of galaxy formation and evolution | |
| 2021-2025 | National Astronomical Observatory of Japan (国立天文台)
PROJECT ASSISTANT PROFESSOR · ALMA project 📍
Staff astronomer at the East-Asian ALMA Regional Center (ARC) | |
| 2017-2021 | The University of Texas at Austin
POSTDOCTORAL FELLOWSHIP · Department of Astronomy 📍
Working on observations and models of dusty galaxies (C. Casey's group) | |

DEGREES

- | | |
|------|--|
| 2017 | Ph.D., Astrophysics
INAOE, MEXICO · |
| 2013 | M.Sc., Astrophysics
INAOE, MEXICO · |
| 2011 | B.Sc., Engineering Physics
ITESM, MEXICO · |

OBSERVING EXPERIENCE



SELECTED 1ST-AUTHOR PUBLICATIONS

- | | |
|------|--|
| 2025 | A luminous and young galaxy at $z = 12.33$ revealed by a JWST/MIRI detection of $H\alpha$ and [O III]
NATURE ASTRONOMY, 9, 155 · 📍 |
| 2023 | Dusty Starbursts Masquerading as Ultra-high Redshift Galaxies in JWST CEERS Observations
APJL, 943, L9 · 📍 |
| 2021 | The Evolution of the IR Luminosity Function and Dust-obscured Star Formation over the Past 13 Billion Years
APJ, 909,165 · 📍 |

SELECTED GRANTS

- | | |
|--------------------|----------------------|
| \$235,180 | NASA/JWST Cy2 (2023) |
| ¥4,680,000 | JSPS/KAKENHI (2023) |
| \$1,681,750 | NASA/JWST Cy1 (2021) |

LANGUAGES

- | | |
|----------|-------------|
| Spanish | <div></div> |
| English | <div></div> |
| Japanese | <div></div> |

PUBLICATIONS

Around 80 published papers (13 as first-author) in journals like A&A, ApJ, ApJL, Nature, Nature Astronomy, MNRAS, PASJ with around 5,000 citations (source: ADS - July 2025).

LATEST TALK

- Aug. 2024** "The ALMA-JWST synergy: constraining the properties of galaxies in the early Universe".
IAU XXXII GA - Cape Town, South Africa (Invited talk).