

Ricardo **López Valdivia**

POSTDOCTORAL FELLOW

The University of Texas at Austin, Department of Astronomy, 2515 Speedway C1400, Austin, TX, 78712-1205, USA

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Employment

2017 – **Postdoctoral Fellow**

The University of Texas at Austin
Department of Astronomy
2515 Speedway, Stop C1400
Austin, Texas 78712-1205, USA

Education

AUGUST 2017 **Doctor of Philosophy in Astrophysics**

Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico
Thesis: “Super metal-rich solar analogs: targets for giant planet searches”

JULY 2013 **Master of Science in Astrophysics**

Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico
Thesis: “Super solar metallicity in solar analogs (Spanish)”

FEBRUARY 2011 **Undergraduate Degree in Physics**

Universidad de Guadalajara, Mexico
Graduated with honors

Profesional memberships

2019 – National Researchers' System (level candidate), CONACyT, Mexico.
2018 – IAU member, Junior member

Profesional skills

LANGUAGES: Spanish (Mothertongue), English (Advanced)
OPERATIVE SYSTEMS: Linux, Windows, macOS
PROGRAMMING LANGUAGES: IDL, Python
ASTRONOMICAL SOFTWARE: IRAF, MOOG, MOOGStokes

Publications

Published or accepted journal articles

2020 Chávez et al., MNRAS, 493, 5807

2019 Long et al., ApJ, 882, 49
López-Valdivia et al., ApJ, 879, 105
Kidder et al., ApJ, 879, 63

2017 Sada et al., Minor Planet Bulletin, 44, 239
Ricci et al., PASP, 129
López-Valdivia R. et al., MNRAS, 467, 2412

2016	Chavez-Dagostino et al., MNRAS, 462, 2285
2015	López-Valdivia et al., MNRAS, 451, 4368
2014	López-Valdivia et al., MNRAS, 444, 2251

[First-author publications on ADS](#)

[All publications on ADS](#)

Submitted or in preparation journal articles

The IGRINS YSO survey: Stellar parameters of pre-main sequence stars in Taurus-Auriga
López-Valdivia et al., **submitted to ApJ**.

The IGRINS YSO survey: Veiling spectra of pre-main sequence stars in Taurus-Auriga
Kidder et al., **submitted to ApJ**.

Projected Rotational Velocities and Fundamental Properties of Low-Mass Pre-Main Sequence Stars in the Taurus-Auriga Star Forming Region
Nofi et al., **submitted to ApJ**.

Searching for new solar twins: The Inti survey for the Northern Sky
Yana Galarza et al., **submitted to MNRAS**.

The IGRINS YSO survey: Stellar parameters of Ophiuchus and Upper Scorpius members
López-Valdivia et al., **in preparation**.

Observational experience

2018–2020	TS23 (Echelle spectrograph) @ HST - 45+ nights
2018–2020	IGRINS (Infrared spectrograph) @ GS - 35 nights
2017–2019	IGRINS (Infrared spectrograph) @ LDT - 20+ nights
2014–2017	MEXMAN (Filter wheel) @ OAN - 40+ nights
2014–2015	CanHis (Single-order echelle spectrograph) @ OAGH - 30+ nights
2012–2016	Boller & Chivens spectrograph @ OAGH - 20+ nights

GS	Gemini South Telescope, 8.1 m. telescope, La Serena, Chile
LDT	Lowell Discovery Telescope, 4.3 m. telescope, Arizona, United States
HST	Harlan J. Smith Telescope, 2.7 m telescope, Texas, United States
OAN	Observatorio Astronómico Nacional , 0.84 m. telescope, Baja California, Mexico
OAGH	Observatorio Astrofísico Guillermo Haro, 2.1 m. telescope, Sonora, Mexico

Participation in meetings and workshops

Invited talks

OCT. 2019 High Resolution Spectroscopy Workshop, Campos do Jordão, Brazil

Contributed talks

- JUNE 2019 234th Meeting of AAS, St. Louis, USA
AUG. 2017 Precision Spectroscopy 2017: Towards Earth 2.0, São Paulo, Brazil
SEPT. 2016 Precision Spectroscopy 2016: Abundances, nucleosynthesis and chemical evolution, Porto Alegre, Brazil
AUG. 2015 IV Students of Astronomy Meeting, Puebla, Mexico
AUG. 2014 III Students of Astronomy Meeting, Guanajuato, Mexico
AUG. 2013 II Students of Astronomy Meeting, Puebla, Mexico

Posters

- JAN. 2020 235th Meeting of AAS, Honolulu, USA
SEPT. 2014 Towards Other Earths II: The star-planet connection, Oporto, Portugal
MAR. 2014 Search Life Beyond the Solar System: Exoplanets, Biosignatures & Instruments, Tucson, USA
NOV. 2013 XXV National meeting of Astronomy, Mexico city, Mexico
MAR. 2013 1st National workshop on planetary Astrophysics, Monterrey, Mexico
MAR. 2012 New Quest in Stellar Astrophysics III, Puerto Vallarta, Mexico
NOV. 2010 XIII Latin American Regional IAU Meeting, Morelia, Mexico
SEPT. 2009 XXIII National meeting of Astronomy, Ensenada, Mexico

Meetings as an attendee, schools and research stays

- MAR. 2014 Astrobiology School EBI 2014, Tucson, USA
OCT. 2010 The HAWC 2010 MEXICO - USA collaboration meeting, Guadalajara, Mexico
AUG. 2010 XX Scientific summer, Tuxtla Gutierrez, Mexico
JULY 2010 XIX Summer at the National Observatory, Ensenada, Mexico
MAY 2010 1st Astronomy school for undergraduates, Guanajuato, Mexico
NOV. 2009 XIII Western Region Astronomical Meeting, Guanajuato, Mexico

Meetings and workshops as organizer

- AUG. 2015 Member of the LOC of the IV Students of Astronomy Meeting
AUG. 2014 Member of the SOC of the III Students of Astronomy Meeting