

Diego Godoy-Rivera

Curriculum Vitae

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ORCID, ADS Library

RESEARCH INTERESTS

Gyrochronology, Stellar Rotation and Angular Momentum Evolution, Stellar Ages, Open Clusters, Wide Binary Stars, Subgiant stars, *Gaia* astrometry.

EDUCATION

The Ohio State University (OSU) Ph.D. in Astronomy, Advisor: Marc H. Pinsonneault	2015–Present (expected 2021)
The Ohio State University (OSU) M.Sc. in Astronomy	2015–2018
Pontificia Universidad Católica de Chile (PUC) B.Sc. in Astronomy (<i>Highest Distinction</i>), Advisor: Julio Chanamé	2010–2014

HONORS AND AWARDS

- Rodger Doxsey Travel Prize Honorable Mention, AAS 237th Meeting 2021
- Dean’s Distinguished University Dissertation Year Fellowship, OSU 2020–2021
- Dean’s Distinguished University Fellowship, OSU 2015–2017
- 1st Place in Graduating Astronomy Class, PUC 2014
- Scholarship “Matrícula de Honor”, PUC 2012 and 2013
Annual Scholarship for highest GPA in Astronomy Class

PUBLICATIONS ([LINK TO ADS LIBRARY](#)) (9 TOTAL, 4 FIRST AUTHOR, *h*-INDEX=6)

First Author

1. *Stellar Rotation in the Gaia Era: Revised Open Clusters Sequences* ([ADS link](#))
Godoy-Rivera, D., Pinsonneault, M. H., & Rebull, L. M., ApJS Under Review, submitted December 2020 (arXiv:2101.01183)
2. *Testing the Limits of Precise Subgiant Characterization with APOGEE and Gaia: Opening a Window to Unprecedented Astrophysical Studies*
Godoy-Rivera, D., Tayar, J., Pinsonneault, M. H., et al. ApJ Under Review, submitted September 2020 (available upon request)
3. *On the identification of wide binaries in the Kepler field* ([ADS link](#))
Godoy-Rivera, D., & Chanamé, J. 2018, MNRAS, 479, 4440
4. *The unexpected, long-lasting, UV rebrightening of the superluminous supernova ASASSN-15lh* ([ADS link](#))
Godoy-Rivera, D., Stanek, K. Z., Kochanek, C. S., et al. 2017, MNRAS, 466, 1428

Co-Author

1. *EXOFASTv2: A public, generalized, publication-quality exoplanet modeling code* (ADS link)
Eastman, J. D., et al. incl. **Godoy-Rivera, D.** (in revised manuscript), 2019, arXiv e-prints, arXiv:1907.09480
2. *LBT/PEPSI Spectropolarimetry of a Magnetic Morphology Shift in Old Solar-type Stars* (ADS link)
Metcalf, T. S. et al. incl. **Godoy-Rivera, D.**, 2019, ApJL, 887, L38
3. *The ASAS-SN bright supernova catalogue - III. 2016* (ADS link)
Holoien, T. W. -S. et al. incl. **Godoy-Rivera, D.**, 2017, MNRAS, 471, 4966
4. *The ASAS-SN bright supernova catalogue - II. 2015* (ADS link)
Holoien, T. W. -S. et al. incl. **Godoy-Rivera, D.**, 2017, MNRAS, 467, 1098
5. *ASASSN-15oi: a rapidly evolving, luminous tidal disruption event at 216 Mpc* (ADS link)
Holoien, T. W. -S. et al. incl. **Godoy-Rivera, D.**, 2016, MNRAS, 463, 3813

CONFERENCES AND WORKSHOPS

- Cool Stars 20.5 (Virtual) March 2021
“Stellar Rotation in the Gaia Era: Revised Open Clusters Sequences”, Haiku + Poster
- American Astronomical Society Meeting 237 (Virtual) January 2021
“Exploring Gyrochronology with Young Clusters, Field Binaries, and Post-MS Stars in the Gaia Era”, Thesis Talk
- SDSS-IV Collaboration Meeting (Virtual) June 2020
“Precise Subgiant Characterization with APOGEE, TESS, and Gaia”, Talk
- Guest Speaker, Summer Undergraduate Research Program, OSU (Columbus, Ohio) June 2020
“Stellar Rotation: Applications, Calibrations, and Complications” + “(My) Advice for Undergraduate Students”, Talk
- Planet-Star Connections in the Era of *TESS* and *Gaia*, KITP UCSB (Santa Barbara, California) May 2019
“Revised Rotational Sequences of Open Clusters Using Gaia DR2”, Poster
- 2nd OSU-PUC Workshop, PUC (Santiago, Chile) May 2016
“The Unexpected, Long-Lasting, UV Rebrightening of the Super-Luminous Supernova ASASSN-15lh”, Talk
- XII SOCHIAS Annual Meeting (Puerto Varas, Chile) Mar 2015
“Wide Binaries in the Kepler Field and their Gyrochronology Application”, Poster
- 2nd National Congress of Astronomy/Physics Students, Universidad Santa María (Valparaíso, Chile) Nov 2014
“Looking for Wide Binaries in the Kepler field”, Talk
- 1st OSU-PUC Workshop, OSU (Columbus, Ohio) May 2014
Attendee
- 1st National Congress of Astronomy/Physics Students, Universidad de Valparaíso (Valparaíso, Chile) Oct 2012
Attendee

OBSERVING EXPERIENCE AND OBSERVING PROPOSALS

- LBT Proposal: *A Magnetic Morphology Shift in Old Solar-type Stars* Spring 2021
PI: Travis Metcalfe (Space Science Institute)
- LBT Proposal: *Large-scale Magnetic Fields Across the Dynamo Transition* Fall 2018
PI: Travis Metcalfe (Space Science Institute)
- Observing: MDM Observatory, 6 Nights April 2016
2.4m Hiltner Telescope, OSU Queue Observing Run
- Chilean TAC (CNTAC) Proposals: *Wide Binaries as Type Ia Supernovae Progenitors* Fall 2014, Fall 2015
PI: Julio Chanamé (PUC)

ADVISING AND MENTORING

- Joaquín Silva Beyer (PUC Senior Undergraduate) 2020–2021
Wide Binary Gyrochronology in the Gaia Era
- Graduate Mentor for Early Graduate Students, OSU 2020–2021
1 Mentee. Estimated time commitment: 2 hours/month

TEACHING EXPERIENCE

- Planetarium TA, OSU Spring 2018
- Head TA, OSU Fall 2017
- *From Planets to the Cosmos*, OSU: Laboratory TA and Planetarium Presenter Fall 2017
- *Static and Dynamics*, PUC: Class and Laboratory TA Spring and Fall 2013, Spring 2015
- *Electricity and Magnetism*, PUC: Class TA Fall 2012
- *General physics*, PUC: Class TA Fall 2011, Spring 2012

OUTREACH EXPERIENCE

- “Charlas Equinoccio”, “Locos x Astrociencia” Outreach Group ([link](#)) September 2020
Invited (virtual) public talk to discuss astronomy and my research
- “Ojos de Tigre”, “Imperfecto y Desconocido” Outreach Youtube Channel ([link](#)) April 2020
Invited interview to share experience as a professional astronomer and researcher
- Arne Sletteback Planetarium Presenter, OSU 2018 and 2019
33 Planetarium shows given to the public and from elementary school to college undergraduate level
- Public Star Parties Roof Nights, OSU Spring 2018
Organizer and Monitor of 3 events with over 100 visitors each
- Física Itinerante Outreach Group, PUC 2013 and 2014
The goal was to bring science to underprivileged schools. Internal Coordinator position during 2013
- Visit Guide in Public Astronomy Exhibitions, Explora/Conicyt 2011 and 2012
Participated in 10 events with over 80 visitors each

PROFESSIONAL REFERENCES

- Prof. Marc H. Pinsonneault (pinsonneault.1@osu.edu), The Ohio State University.
- Dr. Jamie Tayar (jtayar@hawaii.edu), Hubble Fellow, University of Hawai'i.
- Prof. Julio Chanamé (jchaname@astro.puc.cl), Pontificia Universidad Católica de Chile.