

## Education

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<b>Massachusetts Institute of Technology</b> <i>Ph.D., Department of Physics, Center for Space Research</i>	<b>Cambridge, Massachusetts</b> <i>January 1991 – June 1996</i>
<b>Massachusetts Institute of Technology</b> <i>M.S., Department of Aeronautical and Astronautical Engineering</i>	<b>Cambridge, Massachusetts</b> <i>September 1989 – January 1991</i>
<b>California Institute of Technology</b> <i>B.S. Applied Physics, with Honors</i>	<b>Pasadena, California</b> <i>October 1985 – June 1988</i>

## Professional Appointments

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<b>University of Hawai'i at Mānoa</b> <i>Professor, Department of Earth Sciences</i>	<b>Honolulu, Hawaii</b> <i>August 2010 – Present</i>
<b>University of Hawai'i at Mānoa</b> <i>Associate Professor, Department of Earth Sciences</i>	<b>Honolulu, Hawaii</b> <i>August 2006 – August 2010</i>
<b>University of Hawai'i at Mānoa</b> <i>Assistant Professor, Department of Earth Sciences</i>	<b>Honolulu, Hawaii</b> <i>August 2001 – August 2006</i>
<b>California Institute of Technology Jet Propulsion Laboratory</b> <i>Postdoctoral Associate, Division of Geological and Planetary Sciences</i>	<b>Pasadena, California</b> <i>May 1997 – May 2001</i>
<b>Massachusetts Institute of Technology</b> <i>Postdoctoral Associate, Center for Space Research</i>	<b>Cambridge, Massachusetts</b> <i>June 1996 – May 1997</i>

## Auxiliary Appointments

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<b>University of Vienna</b> <i>Senior Affiliate, Institute for Astrophysics</i>	<b>Vienna, Austria</b> <i>2021 – Present</i>
<b>University of Hawai'i at Mānoa</b> <i>Cooperating Graduate Faculty, Institute for Astronomy</i>	<b>Honolulu, Hawaii</b> <i>2021 – Present</i>
<b>University of Hawai'i at Mānoa</b> <i>Cooperating Graduate Faculty, Department of Oceanography</i>	<b>Honolulu, Hawaii</b> <i>2002 – Present</i>

## Instructional Portfolio

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**ERTH 101: Voyage of the *Vicariance*: A Geography of Time** (undergrad, 3 semester-hrs)

**ERTH 610: Graduate Seminar:** (post-graduate, 1 semester-hour)

**ERTH 616: Scientific Writing:** (post-graduate, 3 semester-hours).

**ERTH 669: Origins of Solar Systems** (post-graduate, 3 semester-hours)

ERTH 673: Planetary Systems II: A Material Perspective (post-graduate, 3 semester-hours).  
ERTH 710: Archaeology Meets the Earth & Space Sciences: (postgraduate, 2 semester hours).  
ERTH 711: Planetary Systems I: A Data-Driven Approach (post-graduate, 3 semester-hours).

## Other Academic Appointments since Ph.D.

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<b>ETH</b> <i>Visiting Professor, Institute for Particle Physics and Astrophysics</i>	<b>Zurich, Switzerland</b> August – November 2022
<b>University of Vienna</b> <i>Ida Pfeiffer Professor, Institute for Astrophysics</i>	<b>Vienna, Austria</b> March – August 2021
<b>University of Bern</b> <i>Visiting Professor, Center for Space and Habitability</i>	<b>Bern, Switzerland</b> September – March 2021
<b>University of Göttingen</b> <i>Visiting Professor, Institute for Astrophysics</i>	<b>Göttingen, Germany</b> October – December 2019
<b>University of Vienna</b> <i>Fulbright Fellow, Institute for Astrophysics</i>	<b>Vienna, Austria</b> September 2016 – January 2017
<b>International Space Science Institute</b> <i>Visiting Professor</i>	<b>Bern, Switzerland</b> August – September 2016
<b>Center for Space and Habitability</b> <i>Visiting Professor</i>	<b>Bern, Switzerland</b> May - July 2016
<b>Geneva Observatory</b> <i>Swiss National Science Foundation Fellow</i>	<b>Versoix, Switzerland</b> April – Augusts 2015
<b>Harvard-Smithsonian Center for Astrophysics</b> <i>Visiting Sabbatical Professor, Institute for Theory and Computation</i>	<b>Cambridge, Massachusetts</b> March – August 2015
<b>Max Planck Institute for Astronomy, Heidelberg</b> <i>Visiting Scientist</i>	<b>Heidelberg, Germany</b> July 2014 – January 2015
<b>University of Lund</b> <i>Chair of Astrobiology, Pufendorf Institute for Advanced Studies</i>	<b>Lund, Sweden</b> May – November 2011
<b>University of California, Berkeley</b> <i>Visiting Sabbatical Professor, Dept. of Earth &amp; Planetary Sciences</i>	<b>Berkeley, California</b> August – December 2007
<b>Center for Astrophysics Research of Lyon</b> <i>Visiting Scientist</i>	<b>Lyon, France</b> October 2005

## Other Professional Positions:

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<b>National Academies of Science, Engineering and Medicine</b> <i>Christine Mirzayan Fellow, Division of Earth and Life Sciences</i>	<b>Washington, DC</b> May 2001 – September 2001
<b>Paracel, Inc.</b> <i>Consultant, bioinformatics for Celera Human Genome Sequencing Project</i>	<b>Pasadena, California</b> 1999 – 2001

Ecole Polytechnique de Lausanne (EPFL)  
*Visiting Researcher, Department of Fluid Dynamics*

Lausanne, Switzerland  
*June – August 1990*

National Center for Space Research (CNES)  
*Engineer, CNES-Planetary Society Mars Balloon Project*

Toulouse, France  
*September 1988 – August 1989*

## Extramural Research Funding (Total of \$11,629,190; active in bold)

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<b>NASA Hubble Guest Observer Cycle 30 (PI)</b> <i>"Photometry of a Young Planetary-Mass Companion to a Taurus M Dwarf Star"</i>	<b>\$34,824</b> 2023–2024
<b>NASA TESS Guest Observer Cycle 4 (PI)</b> <i>"Rotation And Multiplicity Among Hyades M Dwarfs"</i>	<b>\$50,000</b> 2021–2022
<b>NASA Solar System Workings (co-PI)</b> <i>"Planet of Steel: Carbon and the Inner Workings of Mercury's Core"</i>	<b>\$559,426</b> 2021–2024
<b>NASA Swift Guest Observer Cycle 17 (PI)</b> <i>"X-raying the Inner Disk of a "Dipper" Star with Swift"</i>	<b>\$47,000</b> 2021–2022
<b>NSF Astronomy and Astrophysics Research Grants (PI)</b> <i>"Catch a Fading Star: Using Transient Dimming to Explore Planet-Forming Zones...."</i>	<b>\$697,010</b> 2021–2024
<b>NASA Interdisciplinary Consortia for Astrobiology Research (PI)</b> <i>"Follow the Volatiles: Tracing chemical species relevant to habitability...."</i>	<b>\$1,734,191</b> 2021–2026
<b>NASA TESS Guest Observer Cycle 4 (co-PI)</b> <i>"Mass Measurement of TESS Transiting Candidate Companions"</i>	<b>\$75,000</b> 2020–2021
<b>NASA Exoplanets Research Program (PI)</b> <i>"Comparative Evolution of Small Planets Close to Cool Stars"</i>	<b>\$298,807</b> 2020–2023
<b>NASA Exoplanets Research Program (Co-PI)</b> <i>"Precise Near-Infrared RV Measurements of Planet Candidates Identified by TESS"</i>	<b>\$478,549</b> 2019–2022
<b>NASA TESS Guest Observer Cycle 2 (PI)</b> <i>"A survey of transient stellar dimming in TESS FFI lightcurves"</i>	<b>\$50,000</b> 2019–2021
<b>NASA Astrophysics Data Analysis Program (PI)</b> <i>"Using K2 to explore episodic stellar variability during the epoch of planet formation"</i>	<b>\$199,882</b> 2019–2022
<b>NSF Astronomy &amp; Astrophysics Research Grants (PI)</b> <i>"A new spin on M dwarf ages and evolution"</i>	<b>\$293,735</b> 2018–2022
<b>NSF Astronomy &amp; Astrophysics Research Grants (co-PI)</b> <i>"Refining the radii of exoplanet host stars"</i>	<b>\$278,033</b> 2017–2021
<b>NASA K2 Guest Observer Cycle 6 (co-PI)</b> <i>"Solving the mystery of hot Jupiter inflation with K2"</i>	<b>\$30,000</b> 2017–2021
<b>NASA K2 Guest Observer Cycle 4 (co-PI)</b> <i>"Zodiacal Exoplanets in Time (ZEIT): The Hyades Cluster"</i>	<b>\$41,259</b> 2017–2021
<b>NASA K2 Guest Observer Cycle 2 (co-PI)</b> <i>"Giants orbiting Giants: A search for transiting planets around oscillating RGB stars"</i>	<b>\$38,000</b> 2017–2021

<b>Sloan Foundation Deep Carbon Observatory, Census for Deep Life (PI)</b> <i>"Ice-Covered Icelandic Crater Lake Ecosystem Study"</i>	<b>\$25,000</b> 2017–2021
<b>NASA Origins of Solar Systems (PI)</b> <i>"A combined Doppler and photometric search for signpost planets around M dwarfs"</i>	<b>\$373,445</b> 2017–2021
<b>NASA Astrobiology: Exobiology and Evolutionary Biology (PI)</b> <i>"Formation, evolution, and detection of planets close to cool stars"</i>	<b>\$357,0673</b> 2017–2021
<b>NSF Astronomy &amp; Astrophysics Research Grants (co-PI)</b> <i>"Targets for planets: a database of nearby stars suitable for exoplanet surveys"</i>	<b>\$174,022</b> 2017–2021
<b>NSF Graduate Student Fellowship Program (PI for student)</b> <i>"Physical and chemical processes in the atmospheres of planetary embryos"</i>	<b>\$75,000</b> 2017–2021
<b>NASA Terrestrial Planet Finder Foundation Science (PI)</b> <i>"Observable signatures of extreme seasonality on Earth-like planets...."</i>	<b>\$249,426</b> 2017–2021
<b>NASA Newton-XMM Telescope Observing Support (co-I)</b> <i>"The Nature of the Flaring Companion to HD 43162"</i>	<b>\$36,400</b> 2017–2021
<b>NASA Astrobiology Institute Director's Discretionary Fund (PI)</b> <i>"Diversity, phylogeny, and genetics of the basal metazoan Trichoplax adhaerens"</i>	<b>\$50,000</b> 2017–2021
<b>NASA Astrobiology Institute Cooperative Agreement Notice-3 (co-PI)</b> <i>"The origin, history, and distribution of water and its relation to life in the Universe"</i>	<b>\$5,171,596</b> 2003–2008
<b>NSF Biogeosciences (PI)</b> <i>"Microcosm Investigations of Carbonate Reef Microbial Biogeochemistry"</i>	<b>\$79,000</b> 2017–2021
<b>NSF Biocomplexity in the Environment, Coupled Biogeochem. Cycles (PI)</b> <i>"Cycles of Carbon and Nitrogen in an Ice-covered Volcanic Crater Lake"</i>	<b>\$98,456</b> 2001–2002

## Extramural Professional Service

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<b>KITP Program on Rocky Planet Formation in Inner Protoplanetary Disks</b> <i>Kavli Institute for Theoretical Physics, Santa Barbara, USA</i>	<b>Co-Organizer</b> <i>April–May 2025</i>
<b>Observing techniques, instrumentation and science for metre-class telescopes III</b> <i>Tatranská Lomnica, Slovakia</i>	<b>SOC</b> <i>11–15 September 2023</i>
<b>NASA Funding Proposal Review Panels</b> <i>Astrophysics Data Analysis; Medium-Class Explorers &amp; Missions of Opportunity</i> <i>NASA Astrobiology Institute Cooperative Agreement Notice; Origins of Solar Systems, HST, JWST</i>	<b>Member</b> <i>Ongoing</i>
<b>NSF Funding Proposal Review Panels</b> <i>Faculty Early Career Development Program</i>	<b>Member</b> <i>Ongoing</i>
<b>Peer Review of Journal Manuscripts</b> <i>The Astrophysical Journal; The Astronomical Journal; Monthly Notices of the Royal Astronomical Society; Icarus; Journal of Geophysical Research - Planets</i>	<b>Reviewer</b> <i>Ongoing</i>
<b>NASA TESS Mission, Atmospheres Working Group</b>	<b>Member</b> 2014–2021

<b>TESS Science Meeting I</b> <i>Cambridge, USA</i>	<b>SOC</b> <i>July 2019</i>
<b>Exoplanet Science Working Group, Origins Space Telescope Project</b>	<b>Member</b> <i>2017–2019</i>
<b>International Science Definition Team for Exoplanets, Thirty Meter Telescope</b>	<b>Member</b> <i>2014–present</i>
<b>Session on “M Dwarfs in the Light of Exoplanets” at Cool Stars 17</b> <i>Barcelona, Spain</i>	<b>Organizer</b> <i>October 2012</i>
<b>Workshop: Transiting Planets in the House of the Sun: M Dwarfs and their Planets</b> <i>Kula, Maui, USA</i>	<b>Organizer</b> <i>June 2012</i>
<b>Session on “Geology of Exoplanets” at Exoplanets for Planetary Scientists Conference</b> <i>Orlando, USA</i>	<b>Chair</b> <i>December 2010</i>
<b>Potsdam, Germany</b> <i>IODP Working Group on “Limits and Evolution on Earth and Beyond”</i>	<b>Participant</b> <i>2009</i>
<b>Session on ‘Hot Earths: formation, detection, and structure’ at AAS 210th Meeting</b> <i>Honolulu, USA</i>	<b>Organizer</b> <i>May 2007</i>
<b>NASA-JPL Terrestrial Planet Finder Mission</b>	<b>Science Working Group</b> <i>2002–2006</i>
<b>ISSI Workshop: “Geology and Habitability of Terrestrial Planets”</b> <i>Bern, Switzerland</i>	<b>SOC</b> <i>September 2005</i>
<b>2nd Terrestrial Planet Finder /Darwin Meeting</b> <i>San Diego, USA</i>	<b>SOC</b> <i>July 2004</i>
<b>Bioastronomy Meeting</b> <i>Reykjavik, Iceland</i>	<b>SOC</b> <i>July 2004</i>

## Supervision and Mentoring

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### Postdocs:

<b>Knicole Colón, Postdoctoral Researcher in Astronomy</b> <i>Current position: Staff Scientist, NASA Goddard Space Flight Center</i>	<b>Supervisor</b> <i>2012–2013</i>
<b>Joost van Summeren, Postdoctoral Researcher in Geology &amp; Geophysics</b> <i>Current position: KWR Research Institute</i>	<b>Supervisor</b> <i>2011–2012</i>
<b>Eric Hilton, Postdoctoral Researcher in Astronomy</b> <i>Current position: Universe Sandbox</i>	<b>Supervisor</b> <i>2011–2012</i>
<b>Antje Rusch. Postdoctoral Researcher in Geomicrobiology</b> <i>Current position: Fauna Marin GmbH</i>	<b>Supervisor</b> <i>2006–2008</i>
<b>Evgenya Shkolnik, NASA Postdoctoral Research Fellow</b> <i>Current position: Professor, Arizona State University</i>	<b>Supervisor</b> <i>2005–2006</i>

**Ketil Sorenson, Postdoctoral Researcher in Geomicrobiology**  
Current position: Technical University of Denmark

**Supervisor**  
2004–2006

### Doctoral Students:

**Lukas Gehrig, Institute for Astrophysics, University of Vienna** **Co-Advisor**  
Dissertation: "Modeling the Interaction of Young Low-Mass Stars with Their Disks" 2021–present

**Ryan Dungee, Institute for Astronomy Doctoral Student** **Co-Advisor/Supervisor**  
Dissertation: "Understanding the evolution of M Dwarf spin-down" 2019–2022  
Current Position: Dunlap Postdoctoral Fellow, Dunlap Institute, University of Toronto

**Andrew Mann, Institute for Astronomy Doctoral Student** **Advisor/Supervisor**  
Dissertation: "Planets around cool stars: spectroscopic/photometric study of M dwarfs" 2009–2013  
Current Position: Assistant Professor, University of North Carolina

**Nicholas Moskovitz, Institute for Astronomy Doctoral Student** **Advisor/Supervisor**  
Dissertation: "Spectroscopic and theoretical constraints on planetesimal differentiation" 2005–2009  
Current Position: Staff Scientist, Lowell Observatory

**Angelos Hannides, Dept. of Oceanography Doctoral Student** **Co-Advisor/Supervisor**  
Dissertation: "Organic matter cycling and nutrient dynamics in marine sediments" 2002–2008  
Current Position: Assistant Professor, Coastal Carolina University

### Doctoral Dissertation Committees:

**Keng-Hsien (Earth & Planetary Sciences)** **Committee Member**  
"Deep volatile cycle in planetary interiors" 2021–present

**Jingwen Zhang (Institute for Astronomy)** **Committee Member**  
"Orbital Dynamics in Close Binaries & Fourier Transform Spectr. for Direct Imaging" 2021–2022

**Nicholas Saunders (Institute for Astronomy)** **Committee Member**  
"Tracing Hot Jupiter Evolution with TESS and Gaia" 2021–2022

**Casey Brinkman (Institute for Astronomy)** **Committee Member**  
"Diversity of rocky planet compositions and host star abundances" 2019–2022

**Ashley Chontos (Institute for Astronomy)** **Committee Member**  
"Exoplanets orbiting asteroseismic stars: benchmark systems with TESS" 2019–2021

**Travis Berger (Institute for Astronomy)** **University Representative**  
"Precise demographics of Kepler exoplanets in the Gaia era" 2018–2021

**Samuel Grunblatt (Institute for Astronomy)** **University Representative**  
"Giant planets transiting giant stars" 2016–2019

**Megan Ansdell (Institute for Astronomy)** **University Representative**  
"Protoplanetary disk demographics with ALMA" 2014–2017

**Brendan Bowler (Institute for Astronomy)** **University Representative**  
"A high-contrast direct imaging search for gas-giant planets around low-mass stars" 2010–2013

**Dagny Looper (Institute for Astronomy)** **University Representative**  
"TW Hydrae Association: new nearby accreting stars and first estimate of the IMF" 2008–2011

## Masters Students:

<b>Andrew Hoffman (Institute for Astronomy)</b> <i>M.S. Project: "Multi-wavelength Photometry of Occulting Dust around Taurus Stars"</i>	<b>Advisor/Supervisor</b> 2022–2023
<b>Alexa Anderson (Institute for Astronomy)</b> <i>M.S. Project: "The Dynamic Inner Disk of EP Chamaeleontis"</i>	<b>Advisor/Supervisor</b> 2021–2022
<b>Aleezah Ali (Institute for Astronomy)</b> <i>M.S. Project: "Binarity of Kepler M Dwarf Stars and Their Planets"</i>	<b>Advisor/Supervisor</b> 2021–2022
<b>Leander Schlarman (University of Vienna)</b> <i>M.S. Project: "Modeling Venus-like atmospheres in chemical equilibrium"</i>	<b>Co-Advisor</b> 2021–2022
<b>Carina Heinrichsberger (University of Vienna)</b> <i>M.S. Project: "Why is Venus so Cool"</i>	<b>Co-Advisor</b> 2021–2022
<b>Suchitra Narayanan (Institute for Astronomy)</b> <i>M.S. Project: "SURPH: A Relative Photometry Pipeline for LCO"</i>	<b>Advisor/Supervisor</b> 2020–2021
<b>Rena Lee (Department of Earth Sciences)</b> <i>M.S. Thesis: "Multiplicity in the Beta Pictoris Moving Group"</i>	<b>Advisor/Supervisor</b> 2020–2022
<b>Larisa Nofi (Institute for Astronomy)</b> <i>M.S. project: "Spectrothermometry of K dwarf stars"</i> <i>Current position: Lockheed-Martin Aerospace</i>	<b>Advisor/Supervisor</b> 2015–2016
<b>Samuel Grunblatt (Institute for Astronomy)</b> <i>M.S. project: "Giant planets around giant stars"</i> <i>Current position: Kalbfleisch Postdoctoral Fellow, American Museum of Natural History</i>	<b>Advisor/Supervisor</b> 2015–2016
<b>Megan Ansdell (Institute for Astronomy)</b> <i>M.S. project: "The near-ultraviolet luminosity function of M dwarf stars"</i> <i>Current position: Program Scientist, NASA Headquarters</i>	<b>Advisor/Supervisor</b> 2013–2014
<b>Jillian Ward (Department of Oceanography)</b> <i>M.S. thesis: "Diversity and Biogeography of the Unique, Tropical Phylum Placozoa"</i> <i>Current position: biotechnology industry</i>	<b>Advisor/Supervisor</b> 2005–2008

## Bachelors Students:

<b>Lynzee Hoegger (Department of Physics &amp; Astronomy)</b> <i>B.A. Senior Project: "LCO Observations of a T Tauri Dipper Star"</i>	<b>Advisor</b> 2021–2022
<b>John Bredall (Department of Physics &amp; Astronomy)</b> <i>B.S. Honors Thesis: "An ASAS-SN Survey of Variable Young Stellar Objects"</i>	<b>Co-Advisor</b> 2019–2020
<b>Oana Vesa (Albion College)</b> <i>NSF Research Experience for Undergraduates at the Institute for Astronomy</i>	<b>Co-Advisor</b> 2017
<b>Emily Chang (Global Environmental Sciences, Department of Oceanography)</b> <i>B.S. Thesis: "Identification &amp; Photometry of Candidate Transiting Exoplanet Signals"</i>	<b>Advisor</b> 2011–2012
<b>Jennifer Beyer (Department of Geology &amp; Geophysics)</b> <i>NASA Space Grant Undergraduate Fellow</i>	<b>Advisor</b> 2010–2011

<b>Melissa Ilardo (Princeton University)</b> <i>Visiting Summer Student</i>	<b>Advisor</b> 2007–2008
<b>Nelson Lazago (Department of Biology)</b> <i>NASA Space Grant Undergraduate Fellow</i>	<b>Advisor</b> 2007–2008
<b>Daniel Rogers (University of Massachusetts at Amherst)</b> <i>Visiting Student</i>	<b>Advisor</b> 2006–2007
<b>Whitney Hassett (Global Environmental Sciences, Dept. of Oceanography)</b> <i>Student assistant</i>	<b>Supervisor</b> 2006–2007
<b>Sean Otaga (Departments of Civil Engineering and Oceanography)</b> <i>Student assistant</i>	<b>Supervisor</b> 2006–2007
<b>Aliz Axmann (Department of Mathematics)</b> <i>B.S. thesis: "Dynamics of Motility in Placazoa"</i>	<b>Advisor</b> 2004–2005
<b>Maxime Grand (Global Environmental Sciences, Dept. of Oceanography)</b> <i>B.S. thesis: "Precipitation, Plant Communities and Methane Fluxes in Ka'au Crater"</i>	<b>Advisor</b> 2002–2003

## Awards

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<b>Gauss Professorship</b> <i>Göttingen Academy of Sciences</i>	<b>Georges-Augustus University, Göttingen, DE</b> 2024
<b>Fulbright Research Fellowship</b> <i>Institute for Astrophysics, University of Vienna</i>	<b>U.S.-Austrian Fulbright Commission</b> September 2016 – February 2017
<b>Graduate Student Fellowship</b> <i>Massachusetts Institute of Technology</i>	<b>National Science Foundation</b> 1989-1992
<b>Dr. Robert H. Goddard Memorial Scholarship</b> <i>California Institute of Technology</i>	<b>National Space Club</b> 1988



boldface = first or lead author    ★ = (co-)supervised first author

## Peer-Reviewed Journal Articles (Published or in Press)

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2023

- [180] Almenara, J. M., Bonfils, X., Bryant, E. M., et al. (2023). TOI-4860 b, a short-period giant planet transiting an M3.5 dwarf. *arXiv e-prints* arXiv:2308.01454
- [179] ★Lee, R. A., Gaidos, E., van Saders, J., et al. (2023). Revisiting the Membership, Multiplicity, and Age of the Beta Pictoris Moving Group in the Gaia Era. *arXiv e-prints* arXiv:2312.15792
- [178] Hodapp, K. W., Gaidos, E., Kenworthy, M. A., et al. (2023). An Episode of Occultation Events in Gaia21bcv. *arXiv e-prints* arXiv:2312.16367
- [177] Wittrock, J. M., Plavchan, P. P., Cale, B. L., et al. (2023). Validating AU Microscopii d with Transit Timing Variations. *The Astronomical Journal* 166 (6):232
- [176] **Gaidos, E. and Hirano, T. (2023). CO, H<sub>2</sub>O, and CH<sub>4</sub> in the dusty atmosphere of a 5 Myr-old exoplanet. *Monthly Notices of the Royal Astronomical Society* 525 (4):6303–6311**
- [175] Allart, R., Lemée-Joliecoeur, P. B., Jaziri, A. Y., et al. (2023). Homogeneous search for helium in the atmosphere of 11 gas giant exoplanets with SPIRou. *Astronomy & Astrophysics* 677:A164
- [174] ★Gehrig, L., Gaidos, E., and Güdel, M. (2023). The post-disk (or primordial) spin distribution of M dwarf stars. *Astronomy & Astrophysics* 675:A179
- [173] Donati, J. F., Cristofari, P. I., Finocietty, B., et al. (2023). The magnetic field and multiple planets of the young dwarf AU Mic. *Monthly Notices of the Royal Astronomical Society* 525 (1):455–475
- [172] Blunt, S., Carvalho, A., David, T. J., et al. (2023). Overfitting Affects the Reliability of Radial Velocity Mass Estimates of the V1298 Tau Planets. *The Astronomical Journal* 166 (2):62
- [171] Boucher, A., Lafrenière, D., Pelletier, S., et al. (2023). CO or no CO? Narrowing the CO abundance constraint and recovering the H<sub>2</sub>O detection in the atmosphere of WASP-127 b using SPIRou. *Monthly Notices of the Royal Astronomical Society* 522 (4):5062–5083
- [170] Vannier, P., Farrant, G. K., Klonowski, A., et al. (2023). Metagenomic analyses of a microbial assemblage in a subglacial lake beneath the vatnajökull ice cap, iceland. *Frontiers in Microbiology* 14
- [169] Sullivan, K., Kraus, A. L., Huber, D., et al. (2023). Revising Properties of Planet-Host Binary Systems. III. There Is No Observed Radius Gap for Kepler Planets in Binary Star Systems. *The Astronomical Journal* 165 (4):177
- [168] Fouqué, P., Martioli, E., Donati, J. F., et al. (2023). The SPIRou legacy survey. Rotation period of quiet M dwarfs from circular polarization in near-infrared spectral lines: The SPIRou APERO analysis. *Astronomy & Astrophysics* 672:A52
- [167] Krishnamurthy, V., Hirano, T., Gaidos, E., et al. (2023). Absence of extended atmospheres in low-mass star radius-gap planets. *Monthly Notices of the Royal Astronomical Society* 521 (1):1210–1220
- [166] Brinkman, C. L., Cadman, J., Weiss, L., et al. (2023). Kepler-102: Masses and Compositions for a Super-Earth and Sub-Neptune Orbiting an Active Star. *The Astronomical Journal* 165 (2):74
- [165] Banzatti, A., Pontoppidan, K. M., Péré Chávez, J., et al. (2023). The Kinematics and Excitation of Infrared Water Vapor Emission from Planet-forming Disks: Results from Spectrally Resolved Surveys and Guidelines for JWST Spectra. *The Astronomical Journal* 165 (2):72

- [164] **Gaidos, E., Claytor, Z., Dungee, R., et al. (2023).** The TIME Table: rotation and ages of cool exoplanet host stars. *Monthly Notices of the Royal Astronomical Society* 520 (4):5283–5304
- [163] **Gaidos, E., Hirano, T., Lee, R. A., et al. (2023).** Planet(esimal)s around stars with TESS (PAST) III: A search for triplet He I in the atmospheres of two 200 Myr-old planets. *Monthly Notices of the Royal Astronomical Society* 518 (3):3777–3783
- [162] El Mufti, M., Plavchan, P. P., Isaacson, H., et al. (2023). TOI 560: Two Transiting Planets Orbiting a K Dwarf Validated with iSHELL, PFS, and HIRES RVs. *The Astronomical Journal* 165 (1):10
- [161] Kiefer, F., Hébrard, G., Martioli, E., et al. (2023). A sub-Neptune planet around TOI-1695 discovered and characterized with SPIRou and TESS. *Astronomy & Astrophysics* 670:A136

## 2022

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