

Education

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

Professional Appointments

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

Auxiliary Appointments

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

Instructional Portfolio

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: A Material Perspective (post-graduate, 3 semester-hours).

ERTH 707: Exoplanet Astronomy (post-graduate, 3 semester-hours).

ERTH 710: Archaeology Meets the Earth & Space Sciences: (postgraduate, 2 semester hours).

Other Academic Appointments since Ph.D.

International Space Science Institute <i>Visiting Scientist</i>	Bern, Switzerland May – June 2024
ETH <i>Visiting Professor, Institute for Particle Physics and Astrophysics</i>	Zurich, Switzerland August – November 2022
International Space Science Institute <i>Visiting Scientist</i>	Bern, Switzerland June 2022
University of Vienna <i>Ida Pfeiffer Professor, Institute for Astrophysics</i>	Vienna, Austria March – August 2021
University of Bern <i>Visiting Professor, Center for Space and Habitability</i>	Bern, Switzerland September – March 2021
University of Göttingen <i>Visiting Professor, Institute for Astrophysics</i>	Göttingen, Germany October – December 2019
University of Vienna <i>Fulbright Fellow, Institute for Astrophysics</i>	Vienna, Austria September 2016 – January 2017
International Space Science Institute <i>Visiting Scientist</i>	Bern, Switzerland August – September 2016
Center for Space and Habitability <i>Visiting Professor</i>	Bern, Switzerland May - July 2016
Geneva Observatory <i>Swiss National Science Foundation Fellow</i>	Versoix, Switzerland April – Augusts 2015
Harvard-Smithsonian Center for Astrophysics <i>Visiting Sabbatical Professor, Institute for Theory and Computation</i>	Cambridge, Massachusetts March – August 2015
Max Planck Institute for Astronomy, Heidelberg <i>Visiting Scientist</i>	Heidelberg, Germany July 2014 – January 2015
University of Lund <i>Chair of Astrobiology, Pufendorf Institute for Advanced Studies</i>	Lund, Sweden May – November 2011
University of California, Berkeley <i>Visiting Sabbatical Professor, Dept. of Earth & Planetary Sciences</i>	Berkeley, California August – December 2007
Center for Astrophysics Research of Lyon <i>Visiting Scientist</i>	Lyon, France October 2005

Other Professional Positions:

National Academies of Science, Engineering and Medicine <i>Christine Mirzayan Fellow, Division of Earth and Life Sciences</i>	Washington, DC May 2001 – September 2001
Paracel, Inc. <i>Consultant, bioinformatics for Celera Human Genome Sequencing Project</i>	Pasadena, California 1999 – 2001
Ecole Polytechnique de Lausanne (EPFL) <i>Visiting Researcher, Department of Fluid Dynamics</i>	Lausanne, Switzerland June – August 1990
National Center for Space Research (CNES) <i>Engineer, CNES-Planetary Society Mars Balloon Project</i>	Toulouse, France September 1988 – August 1989

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

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

NASA K2 Guest Observer Cycle 6 (co-PI) <i>"Solving the mystery of hot Jupiter inflation with K2"</i>	\$30,000 2017–2021
NASA K2 Guest Observer Cycle 4 (co-PI) <i>"Zodiacal Exoplanets in Time (ZEIT): The Hyades Cluster"</i>	\$41,259 2017–2021
NASA K2 Guest Observer Cycle 2 (co-PI) <i>"Giants orbiting Giants: A search for transiting planets around oscillating RGB stars"</i>	\$38,000 2017–2021
Sloan Foundation Deep Carbon Observatory, Census for Deep Life (PI) <i>"Ice-Covered Icelandic Crater Lake Ecosystem Study"</i>	\$25,000 2017–2021
NASA Origins of Solar Systems (PI) <i>"A combined Doppler and photometric search for signpost planets around M dwarfs"</i>	\$373,445 2017–2021
NASA Astrobiology: Exobiology and Evolutionary Biology (PI) <i>"Formation, evolution, and detection of planets close to cool stars"</i>	\$357,0673 2017–2021
NSF Astronomy & Astrophysics Research Grants (co-PI) <i>"Targets for planets: a database of nearby stars suitable for exoplanet surveys"</i>	\$174,022 2017–2021
NSF Graduate Student Fellowship Program (PI for student) <i>"Physical and chemical processes in the atmospheres of planetary embryos"</i>	\$75,000 2017–2021
NASA Terrestrial Planet Finder Foundation Science (PI) <i>"Observable signatures of extreme seasonality on Earth-like planets..."</i>	\$249,426 2017–2021
NASA Newton-XMM Telescope Observing Support (co-I) <i>"The Nature of the Flaring Companion to HD 43162"</i>	\$36,400 2017–2021
NASA Astrobiology Institute Director's Discretionary Fund (PI) <i>"Diversity, phylogeny, and genetics of the basal metazoan Trichoplax adhaerens"</i>	\$50,000 2017–2021
NASA Astrobiology Institute Cooperative Agreement Notice-3 (co-PI) <i>"The origin, history, and distribution of water and its relation to life in the Universe"</i>	\$5,171,596 2003–2008
NSF Biogeosciences (PI) <i>"Microcosm Investigations of Carbonate Reef Microbial Biogeochemistry"</i>	\$79,000 2017–2021
NSF Biocomplexity in the Environment, Coupled Biogeochem. Cycles (PI) <i>"Cycles of Carbon and Nitrogen in an Ice-covered Volcanic Crater Lake"</i>	\$98,456 2001–2002

Extramural Professional Service

KITP Program on Rocky Planet Formation in Inner Protoplanetary Disks <i>Kavli Institute for Theoretical Physics, Santa Barbara, USA</i>	Co-Organizer <i>April–May 2025</i>
Observing techniques, instrumentation and science for metre-class telescopes III <i>Tatranská Lomnica, Slovakia</i>	SOC <i>11–15 September 2023</i>
NASA Funding Proposal Review Panels <i>Astrophysics Data Analysis; Medium-Class Explorers & Missions of Opportunity</i> <i>NASA Astrobiology Institute Cooperative Agreement Notice; Origins of Solar Systems, HST, JWST</i>	Member <i>Ongoing</i>
NSF Funding Proposal Review Panels	Member

<i>Faculty Early Career Development Program</i>	<i>Ongoing</i>
Peer Review of Journal Manuscripts <i>The Astrophysical Journal; The Astronomical Journal; Monthly Notices of the Royal Astronomical Society; Icarus; Journal of Geophysical Research - Planets</i>	Reviewer <i>Ongoing</i>
NASA TESS Mission, Atmospheres Working Group	Member <i>2014–2021</i>
TESS Science Meeting I <i>Cambridge, USA</i>	SOC <i>July 2019</i>
Exoplanet Science Working Group, Origins Space Telescope Project	Member <i>2017–2019</i>
International Science Definition Team for Exoplanets, Thirty Meter Telescope	Member <i>2014–present</i>
Session on “M Dwarfs in the Light of Exoplanets” at Cool Stars 17 <i>Barcelona, Spain</i>	Organizer <i>October 2012</i>
Workshop: Transiting Planets in the House of the Sun: M Dwarfs and their Planets <i>Kula, Maui, USA</i>	Organizer <i>June 2012</i>
Session on “Geology of Exoplanets” at Exoplanets for Planetary Scientists Conference <i>Orlando, USA</i>	Chair <i>December 2010</i>
Potsdam, Germany <i>IODP Working Group on “Limits and Evolution on Earth and Beyond”</i>	Participant <i>2009</i>
Session on ‘Hot Earths: formation, detection, and structure’ at AAS 210th Meeting <i>Honolulu, USA</i>	Organizer <i>May 2007</i>
NASA-JPL Terrestrial Planet Finder Mission	Science Working Group <i>2002–2006</i>
ISSI Workshop: “Geology and Habitability of Terrestrial Planets” <i>Bern, Switzerland</i>	SOC <i>September 2005</i>
2nd Terrestrial Planet Finder /Darwin Meeting <i>San Diego, USA</i>	SOC <i>July 2004</i>
Bioastronomy Meeting <i>Reykjavik, Iceland</i>	SOC <i>July 2004</i>

Supervision and Mentoring

Postdocs:

Knicole Colón, Postdoctoral Researcher in Astronomy <i>Current position: Staff Scientist, NASA Goddard Space Flight Center</i>	Supervisor <i>2012–2013</i>
Joost van Summeren, Postdoctoral Researcher in Geology & Geophysics <i>Current position: KWR Research Institute</i>	Supervisor <i>2011–2012</i>

Eric Hilton, Postdoctoral Researcher in Astronomy <i>Current position: Universe Sandbox</i>	Supervisor 2011–2012
Antje Rusch, Postdoctoral Researcher in Geomicrobiology <i>Current position: Fauna Marin GmbH</i>	Supervisor 2006–2008
Evgenya Shkolnik, NASA Postdoctoral Research Fellow <i>Current position: Professor, Arizona State University</i>	Supervisor 2005–2006
Ketil Sorenson, Postdoctoral Researcher in Geomicrobiology <i>Current position: Technical University of Denmark</i>	Supervisor 2004–2006

Doctoral Students:

Lukas Gehrig, Institute for Astrophysics, University of Vienna <i>Dissertation: "Modeling the Interaction of Young Low-Mass Stars with Their Disks"</i>	Co-Advisor 2021–present
Ryan Dungee, Institute for Astronomy Doctoral Student <i>Dissertation: "Understanding the evolution of M Dwarf spin-down"</i> Current Position: Dunlap Postdoctoral Fellow, Dunlap Institute, University of Toronto	Co-Advisor/Supervisor 2019–2022
Andrew Mann, Institute for Astronomy Doctoral Student <i>Dissertation: "Planets around cool stars: spectroscopic/photometric study of M dwarfs"</i> Current Position: Assistant Professor, University of North Carolina	Advisor/Supervisor 2009–2013
Nicholas Moskovitz, Institute for Astronomy Doctoral Student <i>Dissertation: "Spectroscopic and theoretical constraints on planetesimal differentiation"</i> Current Position: Staff Scientist, Lowell Observatory	Advisor/Supervisor 2005–2009
Angelos Hannides, Dept. of Oceanography Doctoral Student <i>Dissertation: "Organic matter cycling and nutrient dynamics in marine sediments"</i> Current Position: Assistant Professor, Coastal Carolina University	Co-Advisor/Supervisor 2002–2008

Doctoral Dissertation Committees:

Keng-Hsien (Earth & Planetary Sciences) <i>"Deep volatile cycle in planetary interiors"</i>	Committee Member 2021–present
Jingwen Zhang (Institute for Astronomy) <i>"Orbital Dynamics in Close Binaries & Fourier Transform Spectr. for Direct Imaging"</i>	Committee Member 2021–2022
Nicholas Saunders (Institute for Astronomy) <i>"Tracing Hot Jupiter Evolution with TESS and Gaia"</i>	Committee Member 2021–2022
Casey Brinkman (Institute for Astronomy) <i>"Diversity of rocky planet compositions and host star abundances"</i>	Committee Member 2019–2022
Ashley Chontos (Institute for Astronomy) <i>"Exoplanets orbiting asteroseismic stars: benchmark systems with TESS"</i>	Committee Member 2019–2021
Travis Berger (Institute for Astronomy) <i>"Precise demographics of Kepler exoplanets in the Gaia era"</i>	University Representative 2018–2021
Samuel Grunblatt (Institute for Astronomy) <i>"Giant planets transiting giant stars"</i>	University Representative 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:

Ian Berry (Institute for Astronomy) **Co-Advisor**
M.S. Project: "Extending Gyrochronology to the Fully Convective Boundary and Beyond with the Open Cluster Ruprecht 23" 2023–2024

Andrew Hoffman (Institute for Astronomy) **Advisor/Supervisor**
M.S. Project: "Multi-wavelength Photometry of Occulting Dust around Taurus Stars" 2022–2023

Alexa Anderson (Institute for Astronomy) **Advisor/Supervisor**
M.S. Project: "The Dynamic Inner Disk of EP Chamaeleontis" 2021–2022

Aleezah Ali (Institute for Astronomy) **Advisor/Supervisor**
M.S. Project: "Binarity of Kepler M Dwarf Stars and Their Planets" 2021–2022

Leander Schlarmann (University of Vienna) **Co-Advisor**
M.S. Project: "Modeling Venus-like atmospheres in chemical equilibrium" 2021–2022

Carina Heinrichsberger (University of Vienna) **Co-Advisor**
M.S. Project: "Why is Venus so Cool?" 2021–2022

Suchitra Narayanan (Institute for Astronomy) **Advisor/Supervisor**
M.S. Project: "SURPH: A Relative Photometry Pipeline for LCO" 2020–2021

Rena Lee (Department of Earth Sciences) **Advisor/Supervisor**
M.S. Thesis: "Multiplicity in the Beta Pictoris Moving Group" 2020–2022

Larisa Nofi (Institute for Astronomy) **Advisor/Supervisor**
M.S. project: "Spectrothermometry of K dwarf stars" 2015–2016
Current position: Lockheed-Martin Aerospace

Samuel Grunblatt (Institute for Astronomy) **Advisor/Supervisor**
M.S. project: "Giant planets around giant stars" 2015–2016
Current position: Kalbfleisch Postdoctoral Fellow, American Museum of Natural History

Megan Ansdell (Institute for Astronomy) **Advisor/Supervisor**
M.S. project: "The near-ultraviolet luminosity function of M dwarf stars" 2013–2014
Current position: Program Scientist, NASA Headquarters

Jillian Ward (Department of Oceanography) **Advisor/Supervisor**
M.S. thesis: "Diversity and Biogeography of the Unique, Tropical Phylum Placozoa" 2005–2008
Current position: biotechnology industry

Bachelors Students:

Lynzee Hoegger (Department of Physics & Astronomy) <i>B.A. Senior Project: "LCO Observations of a T Tauri Dipper Star"</i>	Advisor 2021–2022
John Bredall (Department of Physics & Astronomy) <i>B.S. Honors Thesis: "An ASAS-SN Survey of Variable Young Stellar Objects"</i>	Co-Advisor 2019–2020
Oana Vesa (Albion College) <i>NSF Research Experience for Undergraduates at the Institute for Astronomy</i>	Co-Advisor 2017
Emily Chang (Global Environmental Sciences, Department of Oceanography) <i>B.S. Thesis: "Identification & Photometry of Candidate Transiting Exoplanet Signals"</i>	Advisor 2011–2012
Jennifer Beyer (Department of Geology & Geophysics) <i>NASA Space Grant Undergraduate Fellow</i>	Advisor 2010–2011
Melissa Ilardo (Princeton University) <i>Visiting Summer Student</i>	Advisor 2007–2008
Nelson Lazago (Department of Biology) <i>NASA Space Grant Undergraduate Fellow</i>	Advisor 2007–2008
Daniel Rogers (University of Massachusetts at Amherst) <i>Visiting Student</i>	Advisor 2006–2007
Whitney Hassett (Global Environmental Sciences, Dept. of Oceanography) <i>Student assistant</i>	Supervisor 2006–2007
Sean Otaga (Departments of Civil Engineering and Oceanography) <i>Student assistant</i>	Supervisor 2006–2007
Aliz Axmann (Department of Mathematics) <i>B.S. thesis: "Dynamics of Motility in Placazoa"</i>	Advisor 2004–2005
Maxime Grand (Global Environmental Sciences, Dept. of Oceanography) <i>B.S. thesis: "Precipitation, Plant Communities and Methane Fluxes in Ka'au Crater"</i>	Advisor 2002–2003

Awards

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

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

Peer-Reviewed Journal Articles (Published or in Press)

2024

- [188] **Gaidos, E., Ali, A., Kraus, A. L., et al. (2024). The Radius Distribution of M dwarf-hosted Planets and its Evolution. *arXiv e-prints* arXiv:2404.11022**
- [187] Dai, F., Howard, A. W., Halverson, S., et al. (2024). An Earth-sized Planet on the Verge of Tidal Disruption. *The Astronomical Journal* 168 (3):101
- [186] **Gaidos, E., Parviainen, H., Esparza-Borges, E., et al. (2024). Climate change in hell: Long-term variation in transits of the evaporating planet K2-22b. *Astronomy & Astrophysics* 688:L34**
- [185] Sullivan, K., Kraus, A. L., Berger, T. A., et al. (2024). Revising Properties of Planet–Host Binary Systems. IV. The Radius Distribution of Small Planets in Binary Star Systems Is Dependent on Stellar Separation. *The Astronomical Journal* 168 (3):129
- [184] Burt, J. A., Hooton, M. J., Mamajek, E. E., et al. (2024). TOI-1685 b Is a Hot Rocky Super-Earth: Updates to the Stellar and Planet Parameters of a Popular JWST Cycle 2 Target. *The Astrophysical Journal Letters* 971 (1):L12
- [183] Hirano, T., Gaidos, E., Harakawa, H., et al. (2024). Transit spectroscopy of K2-33b with subaru/IRD: Spin-Orbit alignment and tentative atmospheric helium. *Monthly Notices of the Royal Astronomical Society* 530 (3):3117–3126
- [182] **Gaidos, E., Thanathibodee, T., Hoffman, A., et al. (2024). The Dynamic, Chimeric Inner Disk of PDS 70. *The Astrophysical Journal* 966 (2):167**
- [181] Jahandar, F., Doyon, R., Artigau, É., et al. (2024). Comprehensive High-resolution Chemical Spectroscopy of Barnard’s Star with SPIRou. *The Astrophysical Journal* 966 (1):56
- [180] ★Lee, R. A., Gaidos, E., van Saders, J., et al. (2024). Revisiting the membership, multiplicity, and age of the Beta Pictoris Moving Group in the Gaia era. *Monthly Notices of the Royal Astronomical Society* 528 (3):4760–4774

2023

- [179] Almenara, J. M., Bonfils, X., Bryant, E. M., et al. (2024). TOI-4860 b, a short-period giant planet transiting an M3.5 dwarf. *Astronomy & Astrophysics* 683:A166
- [178] Hodapp, K. W., Gaidos, E., Kenworthy, M. A., et al. (2024). An Episode of Occultation Events in Gaia21bcv. *The Astronomical Journal* 167 (2):85
- [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, H₂O, and CH₄ 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 H₂O 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

- [160] Gilbert, E. A., Barclay, T., Quintana, E. V., et al. (2022). Flares, Rotation, and Planets of the AU Mic System from TESS Observations. *The Astronomical Journal* 163 (4):147
- [159] ★Dungee, R., van Saders, J., Gaidos, E., et al. (2022). A 4 Gyr M-dwarf Gyrochrone from CFHT/MegaPrime Monitoring of the Open Cluster M67. *The Astrophysical Journal* 938 (2):118
- [158] Miyakawa, K., Hirano, T., Sato, B., et al. (2022). Color Dependence of the Transit Detectability of Young Active M Dwarfs. *The Astronomical Journal* 164 (5):209
- [157] Liu, M. C., Magnier, E. A., Zhang, Z., et al. (2022). On the Unusual Variability of 2MASS J06195260-2903592: A Long-lived Disk around a Young Ultracool Dwarf. *The Astronomical Journal* 164 (4):165
- [156] Feinstein, A. D., France, K., Youngblood, A., et al. (2022). AU Microscopii in the Far-UV: Observations in Quiescence, during Flares, and Implications for AU Mic b and c. *The Astronomical Journal* 164 (3):110
- [155] Cristofari, P. I., Donati, J. F., Masseron, T., et al. (2022). Estimating the atmospheric properties of 44 M dwarfs from SPIRou spectra. *Monthly Notices of the Royal Astronomical Society* 516 (3):3802–3820

- [154] ★Berger, T. A., van Saders, J. L., Huber, D., et al. (2022). Is [Y/Mg] a Reliable Age Diagnostic for FGK Stars? *The Astrophysical Journal* 936 (2):100
- [153] **Gaidos, E., Mann, A. W., Rojas-Ayala, B., et al. (2022). Planetesimals around stars with TESS (PAST) - II. An M dwarf 'dipper' star with a long-lived disc in the TESS continuous viewing zone. *Monthly Notices of the Royal Astronomical Society* 514 (1):1386–1402**
- [152] Wittrock, J. M., Dreizler, S., Reefer, M. A., et al. (2022). Transit Timing Variations for AU Microscopii b and c. *The Astronomical Journal* 164 (1):27
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