

MARCEL AGÜEROS

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- fields of specialization**
- properties of low-mass, main-sequence stars: empirical calibrations of age-rotation-activity relation, observational manifestations of rotation-activity relation
 - identification and characterization of wide binaries: determination of initial-final mass relation for white dwarfs, tests of chemical tagging and of theories of modified gravity
- education**
- | | |
|--|------------|
| UNIVERSITY OF WASHINGTON, SEATTLE, WA
M.S. & Ph.D., Astronomy | 2002, 2006 |
| EMMANUEL COLLEGE, UNIVERSITY OF CAMBRIDGE, UK
M.Phil., Physics | 1998 |
| COLUMBIA COLLEGE, COLUMBIA UNIVERSITY, NEW YORK, NY
B.A., Astronomy, <i>magna cum laude</i> | 1996 |
- dissertations**
- Ph.D.: “Candidate Isolated Neutron Stars and Other Stellar X-ray Sources from the ROSAT All-Sky Survey (RASS) and Sloan Digital Sky Survey (SDSS)”
Advisor: Prof. Scott Anderson
- M.Phil.: “The Bulk Expansion of Supernova Remnant Cassiopeia A”
Advisor: Prof. Dave Green
- appointments**
- | | |
|--|------------------------------|
| DEPARTMENT OF ASTRONOMY, COLUMBIA UNIVERSITY
Professor of Astronomy | 2010-present
2024-present |
| Fulbright U.S. Scholar, Laboratoire d’Astrophysique de Bordeaux, France | 2022-2023 |
| Associate Professor of Astronomy <i>tenured in 2019</i> | 2017-2024 |
| Assistant Professor of Astronomy <i>on parental leave 2013-2014, 2015-2016</i> | 2010-2017 |
| ASTROPHYSICS LABORATORY, COLUMBIA UNIVERSITY
National Science Foundation (NSF) Astronomy & Astrophysics Post-doctoral Fellow (AAPF) | 2006-2010 |
- courses taught**
- undergraduate**
- UN3996: CURRENT RESEARCH IN ASTROPHYSICS Fall 2025
Seminar to contextualize the departmental colloquia.
- UN3997/3998: INDEPENDENT RESEARCH Spring 2019, Spring ’25, Fall ’25, Spring ’26
Seminar for majors focused on developing professional skills.
- UN3101: MODERN STELLAR ASTROPHYSICS Spring 2013, Fall ’14, ’16, ’20, ’24
Survey of stellar structure and evolution for physical-sciences majors.
- UN1836: STARS AND ATOMS Spring 2016, Fall ’17, ’18, Spring ’20, ’21, ’22, ’24
Introductory-level course on stellar evolution and nucleosynthesis.
- UN2001: INTRODUCTION TO ASTROPHYSICS I Fall 2021, ’23
First term of a two-term calculus-based sequence required for majors.
- UN1403: EARTH, MOON, AND PLANETS Fall 2010, ’12, Spring ’15, ’17
Introductory-level course on the Solar System.
- graduate**
- G9004: RESEARCH SEMINAR Spring 2011, ’14, Fall ’19, Spring ’26
Seminar for beginning graduate students focused on developing professional skills.

courses taught continued	G9002: STELLAR AGES: PROMISES AND CHALLENGES Seminar examining the importance of, and challenges involved in, measuring stellar ages.	Spring 2018	
	G9002: HIGH-IMPACT PAPERS IN ASTROPHYSICS <i>Co-taught with Zoltán Haiman</i> Seminar centered on discussing high-impact papers across a range of sub-fields.	Spring 2012	
	G9003: THE ASTRO2010 DECADAL SURVEY Seminar examining the Astro2010 Decadal Survey.	Fall 2011	
students supervised	Ph.D. thesis advisor		
	• ALEJANDRO NÚÑEZ (<i>defended Aug. 6, 2018</i>) Dissertation title: “Exploring the Stellar Age-Rotation-Activity Relation Using the α -Per and M37 Open Clusters” <i>Now an associate research scientist, Columbia Astrophysics Laboratory</i>	2013-2018	
	• STEPHANIE DOUGLAS (<i>defended Jun. 16, 2017</i>) “Open Clusters as Laboratories for Stellar Spin Down and Magnetic Activity Decay” <i>Now a faculty member, Lafayette College</i>	2012-2017	
	• JEFF ANDREWS (<i>defended Sep. 16, 2015</i>) “Double White Dwarfs as Probes of Single and Binary Star Evolution” <i>Now a faculty member, University of Florida</i>	2010-2015	
	Ph.D. thesis committee member		
	• EMILY PASS (Harvard University) (<i>defended May 3, 2024</i>) “Exoplanets in the Mid-to-Late M-Dwarf Context: Insights on the Spindown of Fully Convective Stars and the Rarity of Jupiter Analogs”	2024	
	• PATRICK KIM (Teachers College) (<i>defended Apr. 10, 2024</i>) “Attitudes and Beliefs of Korean-American Mathematics Teachers Towards Culturally Relevant Pedagogy”	2024	
	• ADAM WHEELER (<i>defended Jul. 15, 2022</i>) “Advances in the Modeling of Stellar Spectra, and Applications to the Galaxy and its Stars”	2022	
	• STEVEN MOHAMMED (<i>defended Sep. 28, 2021</i>) “Probing the Ultraviolet Milky Way: The Final Galactic Puzzle Piece”	2021	
	• ADRIAN LUCY (<i>defended Sep. 2, 2021</i>) “The Detection and Description of Accretion From Cool Evolved Stars”	2021	
	• SUN YOUNG BAN (Teachers College) (<i>defended Apr. 12, 2019</i>) “The Influence of Teaching Instruction and Learning Styles on Mathematics Anxiety in the Developmental Mathematics Classroom”	2019	
	post-docs supervised	• ALEJANDRO NÚÑEZ	2018-2024
		• ANDREW MANN (<i>Hubble Post-doctoral Fellow, 2015-2018</i>) <i>Now a faculty member at the University of North Carolina, Chapel Hill</i>	2017-2018
• JASON CURTIS (<i>NSF AAFP, 2016-2019</i>) <i>Now an associate research scientist, Columbia Astrophysics Laboratory</i>		2016-2019	
fulbright hosted	PROF. MARWAN GEBRAN (<i>Fulbright Visiting Scholar</i>) <i>Department of Physics & Astronomy, Notre Dame University, Lebanon</i>	Spring 2018	

publications

- Web of Science (2026): *h*-index: 42, citations: >14k
- ^s indicates that the author was a Columbia U. student at the time of publication

- [1] MEASURING ROTATION PERIODS IN CROWDED STAR CLUSTERS WITH TESS: A PROOF OF CONCEPT WITH NGC 3532
Stafford, M., Curtis, J., **Agüeros, M.** 2026, *Astronomical Journal (AJ)*, 171, 163
- [2] THE PRELIMINARY MAUVE SCIENCE PROGRAMME: SCIENCE THEMES IDENTIFIED FOR THE FIRST YEAR OF OPERATIONS
Maue Science Collaboration - Year 1: **Agüeros, M.**, Dixon, D., Dong, C., et al. 2026, *Royal Astronomical Society Techniques and Instruments*, 5, rzag018
- [3] CROWNING THE QUEEN: MEMBERSHIP, AGE, ROTATION AND ACTIVITY FOR THE OPEN CLUSTER COMA BERENICES
Agüeros, M., Curtis, J., Núñez, A., et al. 2025, *Astrophysical Journal (ApJ)*, 993, 144
- [4] MAGNETIC WHITE DWARFS IN THE SDSS 100 PC SAMPLE: DIRECT EVIDENCE OF TWO FORMATION CHANNELS
Moss, A., [4 authors], **Agüeros, M.**, et al. 2025, *ApJ*, 990, 25
- [5] EVIDENCE FOR A CATASTROPHICALLY DISRUPTED OPEN CLUSTER
Miller, A., [4 authors], **Agüeros, M.**, et al. 2025, *ApJ*, 986, 27
- [6] GETTING STARTED WITH CULTURE CHANGE IN STEM: LESSONS IN RETOOLING
Posselt, J., **Agüeros, M.**, Ambroso, E., et al. 2025, *Journal of Diversity in Higher Education*, <https://doi.org/10.1037/dhe0000641>
- [7] THE 100 PC WHITE DWARF SAMPLE IN THE SDSS FOOTPRINT II. A NEW LOOK AT THE SPECTRAL EVOLUTION OF WHITE DWARFS
Kilic, M., [7 authors], **Agüeros, M.** 2025, *ApJ*, 979, 157
- [8] THEIA 456: TIDALLY SHREDDING AN OPEN CLUSTER
Tregoning, K., Andrews, J., **Agüeros, M.**, Cargile, P., Chanamé, J., Curtis, J., Schuler, S. 2024, *Astronomical Journal (AJ)*, 168, 206
- [9] MASSIVE WHITE DWARFS IN THE 100 PC SAMPLE: MAGNETISM, ROTATION, PULSATIONS, AND THE MERGER FRACTION
Jewett, G., [7 authors], **Agüeros, M.** 2024, *ApJ*, 974, 12
- [10] LITHIUM, ROTATION AND METALLICITY IN THE OPEN CLUSTER M35
Cuenda-Muñoz, D., Barrado, D., **Agüeros, M.**, Curtis, J., Bouy, H. 2024, *Astronomy & Astrophysics*, 687, A234
- [11] THE FACTORY AND THE BEEHIVE. V. CHROMOSPHERIC AND CORONAL ACTIVITY AND ITS DEPENDENCE ON ROTATION IN PRAESEPE AND THE HYADES
Núñez, A., **Agüeros, M.**, Curtis, J., et al. 2024, *ApJ*, 962, 12
- [12] A MARKEDLY EXPANDED SAMPLE OF CANDIDATE X-RAY EMITTING ISOLATED NEUTRON STARS
Demasi, S., Anderson, S., & **Agüeros, M.** 2024, *ApJ*, 961, 36
- [13] THE FIRST EVIDENCE OF TIDALLY INDUCED ACTIVITY IN A BROWN DWARF-M DWARF PAIR: A CHANDRA STUDY OF THE NLTT 41135/41136 SYSTEM
Ilić, N., Poppenhaeger, K., Wolk, S., **Agüeros, M.**, Stelzer, B. 2023, *Monthly Notices of the Royal Astronomical Society (MNRAS)*, 524, 5954
- [14] THE ELM SURVEY SOUTH. II. TWO DOZEN NEW LOW MASS WHITE DWARF BINARIES
Kosakowski, A., [5 authors], **Agüeros, M.** 2023, *ApJ*, 950, 141

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- [15] HYADES MEMBER K2-136C: THE SMALLEST PLANET IN AN OPEN CLUSTER WITH A PRECISELY MEASURED MASS
Mayo, A., [14 authors], **Agüeros, M.**, et al. 2023, *AJ*, 165, 235
- [16] CHEMICALLY PECULIAR STARS IN THE OPEN CLUSTER STOCK 2
Casamiquela, L., Gebran, M., **Agüeros, M.**, Bouy, H., Soubiran, C. 2022, *AJ*, 164, 255
- [17] A YOUNG, LOW-DENSITY STELLAR STREAM IN THE MILKY WAY DISK: THEIA 456
Andrews, J., Curtis, J., Chanamé, J., **Agüeros, M.**, Schuler, S., Kounkel, M., Covey, K. 2022, *AJ*, 163, 275
- [18] ACTIVITY AND ROTATION OF NEARBY FIELD M DWARFS IN THE TESS SOUTHERN CONTINUOUS VIEWING ZONE
Da Silva, F., Núñez, A., **Agüeros, M.**, et al. 2022, *ApJ*, 163, 257
- [19] THE STRONGLY IRRADIATED PLANETS IN PRAESEPE
King, G., Wheatley, P., Fawcett, V., Miller, N., Corrales, L., **Agüeros, M.** 2022, *MNRAS*, 512, 41
- [20] THE FACTORY AND THE BEEHIVE. IV. A COMPREHENSIVE STUDY OF THE ROTATION-X-RAY ACTIVITY RELATION IN PRAESEPE AND THE HYADES
Núñez, A., **Agüeros, M.**, et al. 2022, *ApJ*, 931, 45
- [21] HAZMAT. VIII. A SPECTROSCOPIC ANALYSIS OF THE ULTRAVIOLET EVOLUTION OF K STARS: ADDITIONAL EVIDENCE FOR K DWARF STALLING IN THE FIRST GIGAYEAR
Richey-Yowell, T., [4 authors], **Agüeros, M.**, et al. 2022, *ApJ*, 929, 169
- [22] THREE K2 CAMPAIGNS YIELD ROTATION PERIODS FOR 1013 STARS IN PRAESEPE
^sRampalli, R., **Agüeros, M.**, Curtis, J., et al. 2021, *ApJ*, 921, 167
- [23] A LYMAN- α TRANSIT LEFT UNDETECTED: THE ENVIRONMENT AND ATMOSPHERIC BEHAVIOR OF K2-25B
Rockcliffe, K., [5 authors], **Agüeros, M.**, et al. 2021, *AJ*, 162, 116
- [24] COMBINING ASTROMETRY AND ELEMENTAL ABUNDANCES: THE CASE OF THE CANDIDATE PRE-GAIA HALO MOVING GROUPS G03-37, G18-39, AND G21-22
Schuler, S., Andrews, J., Clanzy, V., Mourabit, M., Chanamé, J., **Agüeros, M.** 2021, *AJ*, 162, 109
- [25] STELLAR ROTATION IN THE K2 SAMPLE: EVIDENCE FOR MODIFIED SPINDOWN
Gordon, T., [5 authors], **Agüeros, M.**, et al. 2021, *ApJ*, 913, 70
- [26] WHEN DO STALLED STARS RESUME SPINNING DOWN? ADVANCING GYROCHRONOLOGY WITH RUPRECHT 147
Curtis, J., **Agüeros, M.**, Matt, S., et al. 2020, *ApJ*, 904, 140
- [27] ASTRAEA: PREDICTING LONG ROTATION PERIODS WITH 27-DAY LIGHT CURVES
^sLu, L., Angus, R., **Agüeros, M.**, et al. 2020, *AJ*, 160, 168
- [28] THE 100 PC WHITE DWARF SAMPLE IN THE SDSS FOOTPRINT
Kilic, M., Bergeron, P., Kosakowski, A., Brown, W., **Agüeros, M.**, Blouin, S. 2020, *ApJ*, 898, 84
- [29] THE ELM SURVEY. VIII. 98 DOUBLE WHITE DWARF BINARIES
Brown, W., [4 authors], **Agüeros, M.**, et al. 2020, *ApJ*, 889, 49
- [30] TESS REVEALS THAT THE NEARBY PISCES-ERIDANUS STELLAR STREAM IS ONLY 125 MYR OLD
Curtis, J., **Agüeros, M.**, Mamajek, E., Wright, J., Cummings, J. 2019, *AJ*, 158, 77
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- [31] K2 ROTATION PERIODS FOR LOW-MASS HYADS AND A QUANTITATIVE COMPARISON OF THE DISTRIBUTION OF SLOW ROTATORS IN THE HYADES AND PRAESEPE
Douglas, S., Curtis, J., **Agüeros, M.**, Cargile, P., Brewer, J., Meibom, S., ^sJansen, T. 2019, *ApJ*, 879, 100
- [32] A TEMPORARY EPOCH OF STALLED SPIN-DOWN FOR LOW-MASS STARS: INSIGHTS FROM NGC 6811 WITH GAIA AND KEPLER
Curtis, J., **Agüeros, M.**, Douglas, S., & Meibom, S. 2019, *ApJ*, 879, 49
highlighted by AAS Nova. See: <https://bit.ly/2YrpYU8>
- [33] PUSHING AUTOMATED ABUNDANCE DERIVATIONS INTO THE COOL DWARF REGIME: A TEST USING THREE G AND TWO K STARS IN PRAESEPE
Gebran, M., **Agüeros, M.**, Hawkins, K., Schuler, K., Morris, B. 2019, *ApJ*, 871, 142
- [34] USING APOGEE WIDE BINARIES TO TEST CHEMICAL TAGGING WITH DWARF STARS
Andrews, J., Anguiano, B., Chanamé, J., **Agüeros, M.**, Lewis, H., Hayes, C., Majewski, S. 2019, *ApJ*, 871, 42
- [35] ARE STARSPOTS AND PLAGE CO-LOCATED ON ACTIVE G AND K STARS?
Morris, B., Curtis, J., Douglas, S., Hawley, S., **Agüeros, M.**, Bobra, M., Agol, E. 2018, *AJ*, 156, 203
- [36] ZODIACAL EXOPLANETS IN TIME (ZEIT) VIII: A TWO PLANET SYSTEM IN PRAESEPE FROM K2 CAMPAIGN 16
Rizzuto, A., [4 authors], **Agüeros, M.**, et al. 2018, *AJ*, 156, 195
- [37] A NEW LOOK AT AN OLD CLUSTER: THE MEMBERSHIP, ROTATION, AND MAGNETIC ACTIVITY OF LOW-MASS STARS IN THE 1.3-GYR-OLD OPEN CLUSTER NGC 752
Agüeros, M., Bowsher, E., Bochanski, P., et al. 2018, *ApJ*, 862, 33
- [38] WIDE BINARIES IN TYCHO-GAIA II: METALLICITIES, ABUNDANCES, AND PROSPECTS FOR CHEMICAL TAGGING
Andrews, J., Chanamé, J., & **Agüeros, M.** 2018, *MNRAS*, 473, 5393
- [39] WIDE BINARIES IN TYCHO-GAIA: SEARCH METHOD AND THE DISTRIBUTION OF ORBITAL SEPARATIONS
Andrews, J., Chanamé, J., & **Agüeros, M.** 2017, *MNRAS*, 472, 675
- [40] THE FACTORY AND THE BEEHIVE III. PTFEB132.707+19.810, A LOW-MASS ECLIPSING BINARY IN PRAESEPE OBSERVED BY PTF AND K2
Kraus, A., Douglas, S., Mann, A., **Agüeros, M.**, et al. 2017, *ApJ*, 845, 72
- [41] POKING THE BEEHIVE FROM SPACE: K2 ROTATION PERIODS FOR PRAESEPE
^sDouglas, S., **Agüeros, M.**, Covey, K., Kraus, A. 2017, *ApJ*, 842, 83
- [42] CHROMOSPHERIC AND CORONAL ACTIVITY IN THE 500-MYR-OLD OPEN CLUSTER M37: EVIDENCE FOR CORONAL STRIPPING?
^sNúñez, A., **Agüeros, M.**, Covey, K., López-Morales, M. 2017, *ApJ*, 834, 176
- [43] THE X-RAY LUMINOSITY FUNCTION OF M37 AND THE EVOLUTION OF CORONAL ACTIVITY IN LOW-MASS STARS
^sNúñez, A. & **Agüeros, M.** 2016, *ApJ*, 830, 44
- [44] TODAY A DUO, BUT ONCE A TRIO? THE DOUBLE WHITE DWARF HS 2220+2146 MAY BE A POST-BLUE STRAGGLER BINARY
^sAndrews, J., **Agüeros, M.**, Brown, W., et al. 2016, *ApJ*, 828, 38
highlighted by AAS Nova. See: <http://bit.ly/2AUYTbh>
- [45] MASSIVE DOUBLE WHITE DWARFS AND THE AM CVn BIRTHRATE
Kilic, M., Brown, W., Heinke, C., Gianninas, A., Benni, P., **Agüeros, M.** 2016, *MNRAS*, 460, 4176

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- [46] WHY ARE RAPIDLY ROTATING M DWARFS IN THE PLEIADES SO (INFRA)RED? NEW PERIOD MEASUREMENTS CONFIRM ROTATION-DEPENDENT COLOR OFFSETS FROM THE CLUSTER SEQUENCE
Covey, K., **Agüeros, M.**, Law, N., et al. 2016, *ApJ*, 822, 81
- [47] K2 ROTATION PERIODS FOR LOW-MASS HYADS AND THE IMPLICATIONS FOR GYROCHRONOLOGY
^sDouglas, S., **Agüeros, M.**, Covey, K., et al. 2016, *ApJ*, 822, 47
- [48] CONSTRAINTS ON THE INITIAL-FINAL MASS RELATION FROM WIDE DOUBLE WHITE DWARFS
^sAndrews, J., **Agüeros, M.**, Gianninas, A., Kilic, M., Dhital, S., Anderson, S. 2015, *ApJ*, 815, 63
- [49] LINKING STELLAR CORONAL ACTIVITY AND ROTATION AT 500 MYR: A DEEP CHANDRA OBSERVATION OF M37
^sNúñez, A., **Agüeros, M.**, Covey, K., et al. 2015, *ApJ*, 809, 161
- [50] ULTRACOOL WHITE DWARFS AND THE AGE OF THE GALACTIC DISC
Gianninas, A., [4 authors], ^sAndrews, J., Canton, P., **Agüeros, M.** 2015, *MNRAS*, 449, 3966
- [51] THE MASS DISTRIBUTION OF COMPANIONS TO LOW-MASS WHITE DWARFS
^sAndrews, J., ^sPrice-Whelan, A., & **Agüeros, M.** 2014, *ApJL*, 797, L32
- [52] THE FACTORY AND THE BEEHIVE II. ACTIVITY AND ROTATION IN PRAESEPE AND THE HYADES
^sDouglas, S., **Agüeros, M.**, Covey, K., et al. 2014, *ApJ*, 795, 161
- [53] FOUND: THE PROGENITORS OF AM CVN AND SUPERNOVAE .IA
Kilic, M., [4 authors], **Agüeros, M.**, et al. 2014, *MNRAS*, 438, L26
highlighted by Chandra X-ray Observatory Photo Album. See: <http://bit.ly/1cBAFzz>
- [54] STATISTICAL SEARCHES FOR MICROLENSING EVENTS IN LARGE, NON-UNIFORMLY SAMPLED TIME-DOMAIN SURVEYS: A TEST USING PALOMAR TRANSIENT FACTORY DATA
^sPrice-Whelan, A., **Agüeros, M.**, Fournier, A., et al. 2014, *ApJ*, 781, 35
- [55] THE RUNAWAY BINARY LP400–22 IS LEAVING THE GALAXY
Kilic, M., [4 authors], **Agüeros, M.**, et al. 2013, *MNRAS*, 434, 3582
- [56] MEASURING THE AGES OF LOW-MASS STARS AND BROWN DWARFS
Bochanski, J., Hawley, S., Covey, K., **Agüeros, M.**, et al. 2013, *Astronomische Nachrichten*, 334, 44
- [57] COMMON PROPER-MOTION WIDE WHITE DWARF BINARIES SELECTED FROM THE SDSS
^sAndrews, J., **Agüeros, M.**, Belczynski, K., Dhital, S., Kleinman, S., West, A. 2012, *ApJ*, 757, 170
- [58] THE PTF PHOTOMETRIC CATALOG 1.0
Ofek, E., [13 authors], **Agüeros, M.**, et al. 2012, *PASP*, 124, 854
- [59] THE ELM SURVEY. IV. 24 WHITE DWARF MERGER SYSTEMS
Kilic, M., Brown, W., Allende Prieto, C., Kenyon, S., Heinke, C., **Agüeros, M.**, Kleinman, S. 2012, *ApJ*, 751, 141
- [60] THE PTF PHOTOMETRIC CALIBRATION
Ofek, E., [13 authors], **Agüeros, M.**, et al. 2012, *PASP*, 124, 62
- [61] CATAclysmic VARIABLES FROM THE SDSS. VIII. THE FINAL YEAR (2007-2008)
Szkody, P., [8 authors], **Agüeros, M.**, et al. 2011, *AJ*, 142, 181
- [62] THE FACTORY AND THE BEEHIVE I. ROTATION PERIODS FOR LOW-MASS STARS IN PRAESEPE
Agüeros, M., Covey, K., ^sLemonias, J., et al. 2011, *ApJ*, 740, 110
- [63] NO CONFIRMED NEW ISOLATED NEUTRON STARS IN THE SDSS DATA RELEASE 4
Agüeros, M., Posselt, B., Anderson, S., et al. 2011, *AJ*, 141, 176

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continued

- [64] PTF10NVG: AN OUTBURSTING CLASS I PROTOSTAR IN THE PELICAN/NORTH AMERICAN NEBULA
Covey, K., [14 authors], **Agüeros, M.**, et al. 2011, *AJ*, 141, 40
- [65] THE ELM SURVEY. II. TWELVE BINARY WHITE DWARF MERGER SYSTEMS
Kilic, M., Brown, W., Allende Prieto, C., **Agüeros, M.**, Heinke, C., Kenyon, S. 2011, *ApJ*, 727, 3
- [66] ACCURATE MASSES FOR THE PRIMARY AND SECONDARY IN THE ECLIPSING WHITE DWARF BINARY NLTT 11748
Kilic, M., Allende Prieto, C., Brown, W., **Agüeros, M.**, Kenyon, S., Camilo, F. 2010, *ApJ*, 721, L158
- [67] NO NEUTRON STAR COMPANION TO THE LOWEST MASS SDSS WHITE DWARF
Agüeros, M., Heinke, C., Camilo, F., et al. 2009, *ApJL*, 700, L123
- [68] THE SEVENTH DATA RELEASE OF THE SDSS
Abazajian, K., Adelman-McCarthy, J., **Agüeros, M.**, et al. 2009, *ApJS*, 182, 543
- [69] A RADIO SEARCH FOR PULSAR COMPANIONS TO SDSS LOW-MASS WHITE DWARFS
Agüeros, M., Camilo, F., Silvestri, N., Kleinman, S., Anderson, S., Liebert, J. 2009, *ApJ*, 697, 283
- [70] X-RAY EMITTING STARS IDENTIFIED FROM THE RASS AND THE SDSS
Agüeros, M., Anderson, S., Covey, K., et al. 2009, *ApJS*, 181, 444
- [71] THE RUNAWAY WHITE DWARF LP400–22 HAS A COMPANION
Kilic, M., Brown, W., Allende Prieto, C., Swift, B., Kenyon, S., Liebert, J., **Agüeros, M.** 2009, *ApJ*, 695, L92
- [72] THE CHAMP EXTENDED STELLAR SURVEY (CHESSE): PHOTOMETRIC AND SPECTROSCOPIC PROPERTIES OF SERENDIPITOUSLY DETECTED STELLAR X-RAY SOURCES
Covey, K., **Agüeros, M.**, Green, P., et al. 2008, *ApJS*, 178, 339
The first two authors contributed equally to this study.
- [73] THE COINCIDENCE OF NUCLEAR STAR CLUSTERS AND ACTIVE GALACTIC NUCLEI
Seth, A., **Agüeros, M.**, ^sLee, D., ^sBasu-Zych, A. 2008, *ApJ*, 678, 116
- [74] THE SIXTH DATA RELEASE OF THE SDSS
Adelman-McCarthy, J., **Agüeros, M.**, Allam, S., et al. 2008, *ApJS*, 175, 297
- [75] STELLAR SEDS FROM 0.3 TO 2.5 μM : TRACING THE STELLAR LOCUS AND SEARCHING FOR COLOR OUTLIERS IN THE SDSS AND 2MASS
Covey, K., [5 authors], **Agüeros, M.**, et al. 2007, *AJ*, 134, 2398
- [76] THE FIFTH DATA RELEASE OF THE SDSS
Adelman-McCarthy, J., **Agüeros, M.**, Allam, S., et al. 2007, *ApJS*, 172, 634
- [77] CATAclysmic VARIABLES FROM SDSS VI. THE SIXTH YEAR (2005)
Szkody, P., [5 authors], **Agüeros, M.**, et al. 2007, *AJ*, 134, 185
- [78] A LARGE, UNIFORM SAMPLE OF X-RAY EMITTING AGN FROM THE RASS AND SDSS SURVEYS: THE DATA RELEASE 5 SAMPLE
Anderson, S., [8 authors], **Agüeros, M.**, et al. 2007, *AJ*, 133, 313
- [79] PANCHROMATIC PROPERTIES OF 99,000 GALAXIES DETECTED BY SDSS, AND (SOME BY) ROSAT, GALEX, 2MASS, IRAS, GB6, FIRST, NVSS, AND WENSS SURVEYS
Obrić, M., [5 authors], **Agüeros, M.**, et al. 2006, *MNRAS*, 370, 1677
- [80] CANDIDATE ISOLATED NEUTRON STARS AND OTHER OPTICALLY BLANK X-RAY FIELDS IDENTIFIED FROM THE RASS AND SDSS SURVEYS
Agüeros, M., Anderson, S., Margon, B., et al. 2006, *AJ*, 131, 1740

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- [81] CATAclysmic VARIABLES FROM THE SDSS V. THE FIFTH YEAR (2004)
Szkody, P., Henden, A., **Agüeros, M.**, et al. 2006, *AJ*, 131, 973
- [82] THE FOURTH DATA RELEASE OF THE SDSS
Adelman-McCarthy, J., **Agüeros, M.**, Allam, S., et al. 2006, *ApJS*, 162, 38
- [83] THE ULTRAVIOLET, OPTICAL, AND INFRARED PROPERTIES OF SDSS SOURCES DETECTED BY GALEX
Agüeros, M., Ivezić, Ž., Covey, K., et al. 2005, *AJ*, 130, 1022
- [84] POWER-RECYCLED RESONANT SIDEBAND EXTRACTION INTERFEROMETER WITH POLARIZATION DETECTION
Beyersdorf, P. T., Kawamura, S., Somiya, K., Kawazoe, F., **Agüeros, M.**, et al. 2005, *Appl. Opt.*, 44, 3413
- [85] CATAclysmic VARIABLES FROM THE SDSS IV. THE FOURTH YEAR (2003)
Szkody, P., [6 authors], **Agüeros, M.**, et al. 2005, *AJ*, 129, 2386
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- [92] AN X-RAY IMAGE OF THE COMPOSITE SNR G16.7+0.1
Helfand, D., **Agüeros, M.**, & Gotthelf, E. 2003, *ApJ*, 592, 941
- [93] CATAclysmic VARIABLES FROM THE SDSS I. THE FIRST RESULTS
Szkody, P., Anderson, S., **Agüeros, M.**, et al. 2002, *AJ*, 123, 430
- [94] THE BULK EXPANSION OF SNR CASSIOPEIA A AT 151 MHz
Agüeros, M. & Green, D. 1999, *MNRAS*, 305, 957
- [95] AN ANCIENT VISITOR RETURNS?
Allchin, F. R. & **Agüeros, M.** 1998, *South Asian Studies*, 14, 155

selected research grants > \$5.0M as PI since 2010	<p>RECONSTRUCTING THE UV HISTORY OF STARS, AND OF PLANETS 2025 Chu Family Foundation Award Period: 09/30/2025-09/30/2028 Award: \$1,002,946</p> <p>THE RELATION BETWEEN ROTATION AND MAGNETISM IN GYR-OLD OPEN CLUSTERS 2024 NASA: Astrophysics Data Analysis Program (ADAP) Award Period: 03/04/2026-03/03/2028 Award: \$394,506</p> <p>M39, A NEW BENCHMARK FOR THE ACTIVITY-ROTATION RELATION IN LOW-MASS STARS 2024 NASA: XMM-Newton AO-23 Guest Observer Program Award period: 01/01/2025-12/31/2025 Award: \$52,000</p> <p>EXPLORING THE JUVENILE BEHAVIOR OF 2.7-GYR-OLD STARS IN RUPRECHT 147 2024 NASA: XMM-Newton AO-23 Guest Observer Program Award period: 01/01/2025-12/31/2025 Award: \$98,309</p> <p>THE RELATION BETWEEN ROTATION AND MAGNETISM IN RUPRECHT 147 2024 NASA: ADAP Award Period: 07/15/2024-07/14/2025 Award: \$162,674</p> <p>REPAIRING EMPIRICAL CLOCKS WITH TESS, ZTF, AND SPECTRA FOR STAR CLUSTERS 2023 NASA: Transiting Exoplanet Survey Satellite (TESS) Cycle 6 Guest Investigator Program Award Period: 01/02/2024-01/01/2025 Award: \$70,000</p> <p>NEW BENCHMARK STAR CLUSTERS FOR GYROCHRONOLOGY 2023 NASA: TESS Cycle 6 Guest Investigator Program Award Period: 01/01/2024-12/31/2024 Award: \$70,000</p> <p>WITNESSING STARS CONVERGE ONTO SLOWLY ROTATING SEQUENCES 2022 NASA: TESS Cycle 5 Guest Investigator Program Award Period: 01/01/2023-12/31/2023 Award: \$70,000</p> <p>ESTABLISHING BENCHMARK STAR CLUSTERS WITH TESS, ZTF, AND SPECTROSCOPY 2022 NASA: TESS Cycle 5 Guest Investigator Program Award Period: 01/01/2023-12/31/2023 Award: \$70,000</p> <p>A STELLAR ROTATION SURVEY OF YOUNG COEVAL POPULATIONS 2021 NASA: TESS Cycle 4 Guest Investigator Program Award Period: 01/01/2022-12/31/2022 Award: \$70,000</p> <p>A DEEP DIVE INTO THE ACTIVITY-ROTATION RELATION IN THREE KEY OPEN CLUSTERS 2021 NASA: ADAP Award Period: 05/07/2021-05/06/2024 Award: \$420,475</p> <p>TESTING MODELS FOR MAGNETIC SUPERSATURATION 2020 Smithsonian Astrophysical Observatory (SAO): Chandra Cycle 22 General Observer Program Award period: 01/11/2021-01/10/2023 Award: \$118,490</p>
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research grants <i>continued</i>	PRECISION STELLAR CLOCKS BUILT WITH KEPLER, TESS, AND GAIA NSF: Astronomy & Astrophysics Research Grant Award period: 09/01/2020-08/31/2023 Award: \$522,662	2020
	COMPLETING THE ROTATIONAL CENSUS OF LOW-MASS HYADS WITH TESS NASA: TESS Cycle 1 Guest Investigator Program Award period: 03/01/2019-02/29/2020 Award: \$50,000	2018
	MONITORING STARSPOT EVOLUTION IN PRAESEPE FROM PTF TO K2 NASA: K2 Cycle 6 Guest Observer Program Award period: 01/01/2019-12/31/2019 Award: \$50,000	2018
	A UV SPECTROSCOPIC SNAPSHOT SURVEY OF LOW-MASS STARS IN THE HYADES Space Telescope Science Institute (STScI): Hubble Space Telescope (HST) Cycle 25 Snapshot Program Award period: 01/01/2019-12/31/2021 Award: \$160,361	2017
	A UV SPECTROSCOPIC SURVEY OF PERIODIC M DWARFS IN THE HYADES STScI: HST Cycle 25 Guest Observer Program Award period: 08/01/2018-07/31/2021 Award: \$171,161	2017
	SIMULTANEOUS K2 AND SPECTROSCOPIC OBSERVATIONS OF PRAESEPE NASA: K2 Cycle 5 Guest Observer Program Award period: 01/22/2018-01/21/2019 Award: \$50,000	2017
	HOW THE OTHER HALF LIVES: COMPLETING THE K2 CENSUS OF LOW-MASS HYADS NASA: K2 Cycle 4 Guest Observer Program Award period: 02/02/2017-09/30/2018 Award: \$40,000	2016
	A SNAPSHOT SURVEY OF THE HYADES: TESTING MODELS FOR MAGNETIC SATURATION NASA: XMM-Newton AO-15 Guest Observer Program Award period: 01/03/2017-01/02/2019 Award: \$98,262	2016
	THE MASSIVE COMPANIONS OF LOW-MASS WHITE DWARFS SAO: Chandra Cycle 17 General Observer Program Award period: 01/29/2016-01/28/2018 Award: \$34,823	2016
	HYPra: ANCHORING THE ROTATION-ACTIVITY RELATION AT 600 MYR NSF: Astronomy & Astrophysics Research Grant Award period: 09/01/2015-08/31/2017 Award: \$206,066	2015
	CAREER: FIXING STELLAR CHRONOMETERS WITH OPEN CLUSTERS NSF: Faculty Early Career Development (CAREER) program Award period: 06/01/2013-08/31/2019 Award: \$922,185	2013

other grants >\$1.5M as PI since 2010	USING STAR CLUSTERS TO FIX STELLAR CLOCKS Fulbright U.S. Scholar Program (Award for Research in Southwestern France) Award: €27,000	2022
	AAS CHRÉTIEN INTERNATIONAL RESEARCH GRANT Award: \$15,550	2021
	PROVOST'S GRANTS PROGRAM FOR MID-CAREER FACULTY WHO CONTRIBUTE TO THE DIVERSITY GOALS OF THE UNIVERSITY Award: \$36,850	2021
	LENFEST JUNIOR FACULTY DEVELOPMENT GRANTS Total award: \$10,210	2015, 2017, 2018
	departmental initiatives CUPUC: A PARTNERSHIP WITH ASTRONOMERS AT THE PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE Columbia U. President's Global Innovation Fund Award period: 06/01/2016-05/31/2018 Award: \$50,000	2016
	THE LARGE SYNOPTIC SURVEY TELESCOPE (LSST) AND THE FUTURE OF ASTRONOMY Columbia U. Provost's Grants Program For Junior Faculty Who Contribute to the Diversity Goals of the University Award period: 06/01/2013-05/31/2014 Award: \$25,000	2013
	COLUMBIA'S PARTICIPATION IN THE CORNELL SPACE GRANT CONSORTIUM NASA New York Space Grant Consortium Total award period: 05/01/2012-05/30/2024 Total award: \$344,000	2012-present
	Bridge to the Ph.D. Program in the Natural Sciences (later in STEM) A BRIDGE TO THE FUTURE NSF: unsolicited proposal Award period: 09/01/2015-08/31/2019 Award: \$403,210	2016
	A RESEARCH-INTENSIVE PREPARATION FOR THE TRANSITION TO GRADUATE SCHOOL NSF: unsolicited proposal Award period: 10/01/2010-09/30/2013 Award: \$692,321	2010
	A BRIDGE TO THE ASTRONOMY PH.D. AT COLUMBIA UNIVERSITY New York NASA Space Grant Consortium Total award period: 05/01/2008-04/30/2010 Total award: \$20,000	2008, 2009
honors, prizes, & fellowships	Research Corporation for Science Advancement Robert Holland Jr. Award for Research Excellence and Contributions to Diversity, Equity and Inclusion	2024
	Fellow of the American Astronomical Society	2023
	Fulbright Scholar, U.S. Department of State	2022
	American Astronomical Society Chrétien International Research Grant	2021
	Columbia University Provost Leadership Fellow	2021
	Columbia University Faculty Service Award	2021
	Columbia University Presidential Award for Outstanding Teaching by Faculty	2019
	Honorary Padrino, El Museo del Barrio's 42 nd Annual Three Kings Day Parade	2019
	Kavli Frontiers of Sciences Fellow	2016

honors <i>continued</i>	NSF Presidential Early Career Award for Scientists and Engineers (PECASE)	2016
	Lenfest Distinguished Columbia University Faculty Award	2016
	NSF CAREER award	2013
	Selected participant, Summer Leadership Institute, Society for the Advancement of Chicanos and Native Americans in Science (SACNAS)	2011
	Certificate of Excellence in Recognition of Distinguished Personal Initiative on Diversity in Astronomy, National Society of Black Physicists (NSBP)	2008
	NSF AAPF	2006-2010
	Trailblazer Award, Latino Alumni Association of Columbia University	2006
	NASA Harriett G. Jenkins Pre-doctoral Fellow, U. of Washington	2003-2006
	NSF Graduate Teaching in K-12 Education (GK-12) Fellow, U. of Washington	2002-2003
	NSF East Asian & Pacific Summer Institute, National Astronomical Observatory of Japan	2002
	Columbia College Euretta J. Kellett Fellow, U. of Cambridge	1996-1998
	Phi Beta Kappa, Columbia U.	1996

**colloquia
& talks**

- [1] Colloquium, Academia Sinica Institute of Astronomy and Astrophysics, Taipei, Taiwan, May 13, 2026
- [2] Colloquium, University of Oklahoma, Oct. 17, 2024
- [3] Invited seminar, Colgate University, Nov. 7, 2023
- [4] Invited seminar, Osservatorio Astrofisico di Arcetri, Florence, Italy, May 25, 2023
- [5] Invited seminar, Cavendish Laboratory Astrophysics Group, Cambridge, UK, Apr. 25, 2023
- [6] Invited seminar, Laboratoire d'Astrophysique de Bordeaux, Bordeaux, France, Apr. 4, 2023
- [7] Invited seminar, European Space Astronomy Centre, Villafranca del Castillo, Spain, Mar. 2, 2023
- [8] Invited seminar, Institute of Astronomy, Katholieke Universiteit Leuven, Belgium, Feb. 3, 2023
- [9] Virtual seminar, Lamat Program, University of California, Santa Cruz, Aug. 5, 2021
- [10] Virtual seminar, Latino Initiative, Smithsonian Astrophysical Observatory, May 18, 2021
- [11] Virtual colloquium, NASA Goddard Space Flight Center, May 11, 2021
- [12] Virtual invited talk, NASA Astrophysics Advisory Committee meeting, Oct. 21, 2020
- [13] Colloquium, Institute for Astronomy, University of Hawaii, Oct. 30, 2019
- [14] Invited & contributed talks, Inclusive Astronomy 2, Baltimore, MD, Oct. 15, 2019
- [15] Colloquium, Pontificia Universidad Católica, Santiago, Chile, May 28, 2019
- [16] Colloquium, Dartmouth College, May 3, 2019
- [17] Colloquium, University of Utah, Apr. 18, 2019
- [18] Invited talk, Nancy Holt Symposium, Dia Art Foundation, NY, NY, Feb. 9, 2019
- [19] Joint Colloquium, University of Virginia/National Radio Astronomy Observatory, Nov. 29, 2018
- [20] Colloquium, Indiana University, Bloomington, Nov. 13, 2018
- [21] Colloquium, University of California, Santa Cruz, Nov. 7, 2018
- [22] Invited talk, SACNAS National Conference, San Antonio, TX, Oct. 12, 2018
- [23] Invited seminar, Observatoire astronomique de Strasbourg, Strasbourg, France, Oct. 5, 2018
- [24] Contributed plenary talk, 20th Cambridge Workshop on Cool Stars, Boston, MA, Aug. 1, 2018
- [25] Invited seminar, Kazan Federal University, Kazan, Russia, Jun. 15, 2018
- [26] Colloquium, University of North Carolina, Chapel Hill, Apr. 23, 2018
- [27] Colloquium, University of Michigan, Apr. 12, 2018
- [28] Invited seminar, University of Exeter, Exeter, UK, Mar. 14, 2018
- [29] Invited seminar, Rider University, Feb. 23, 2018
- [30] Contributed talk, "Dwarf Stars and Clusters with K2" workshop, Boston, MA, Jan. 16, 2018
- [31] Invited seminar, Vanderbilt University, Dec. 8, 2017
- [32] Joint Astrophysics Colloquium, McGill University, Montreal, Canada, Nov. 28, 2017
- [33] Five College Astronomy Department Colloquium, University of Massachusetts, Sep. 28, 2017
- [34] Contributed talk, "ages²: Taking Stellar Ages to the Next Power" meeting, Elba, Italy, Sep. 19, 2017
- [35] Colloquium, Pontificia Universidad Católica, Santiago, Chile, May 23, 2017
- [36] Contributed talk, Latin American XV Regional IAU Meeting, Cartagena, Colombia, Oct. 6, 2016
- [37] Colloquium, University of Texas, Aug. 30, 2016
- [38] Colloquium, Pennsylvania State University, Apr. 20, 2016

**colloquia
& talks**
continued

- [39] Invited seminar, Imperial College London, London, UK, Oct. 7, 2015
- [40] Invited talk, Inclusive Astronomy, Nashville, TN, Jun. 17, 2015
- [41] Invited talk, “Celebrating 10 Years of Diversity in Astronomy With Pre-MAP” special session, AAS meeting 225, Seattle, WA, Jan. 6, 2015
- [42] Colloquium, University of Rochester, Mar. 31, 2014
- [43] Contributed talk, “What Asteroseismology Has to Offer to Astrophysics,” International Francqui Symposium (in honor of Conny Aerts), Brussels, Belgium, Dec. 4, 2013
- [44] Invited talk, Tri-State Astronomy Conference, CUNY Graduate Center, NY, NY, Sep. 27, 2013
- [45] Invited talk, American Physical Society’s Second Graduate Education in Physics Conference, College Park, MD, Feb. 1, 2013
- [46] Invited talk, “Research Based Initiatives for Broadening the Participation of Women and Minorities in Astronomy” special session, AAS meeting 221, Long Beach, CA, Jan. 7, 2013
- [47] Invited talk, SACNAS National Conference, Seattle, WA, Oct. 12, 2012
- [48] Invited talk, “Determining the Ages of Low-Mass Stars and Brown Dwarfs” splinter session, 17th Cambridge Workshop on Cool Stars, Barcelona, Spain, Jun. 25, 2012
- [49] Colloquium, Yale University, Apr. 5, 2012
- [50] Colloquium, University of Toronto, Mar. 23, 2012
- [51] Invited talk, SACNAS National Conference, San José, CA, Oct. 28, 2011
- [52] Colloquium, Pennsylvania State University, Sep. 28, 2011
- [53] Invited talk, NSBP/National Society of Hispanic Physicists (NSHP) Joint Annual Conference, Austin, TX, Sep. 24, 2011
- [54] Invited talk, PTF Collaboration Meeting, Santa Barbara, CA, May 27, 2011
- [55] Steward Observatory/National Optical Astronomy Observatory Joint Colloquium, Apr. 28, 2011
- [56] Invited seminar, Rutgers University, Apr. 22, 2011
- [57] Cape Town Astronomy & Cosmology Colloquium, South African Astronomical Observatory, Cape Town, South Africa, Apr. 19, 2011
- [58] Contributed talk, 2nd Middle-East and Africa Regional IAU Meeting, Cape Town, South Africa, Apr. 14, 2011
- [59] Invited seminar, Center for Interdisciplinary Exploration and Research in Astronomy, Northwestern University, Apr. 5, 2011
- [60] Colloquium, University of Wisconsin-Milwaukee, Apr. 1, 2011
- [61] Colloquium, Columbia University, May 27, 2009
- [62] Invited seminar, College of Staten Island, May 6, 2009
- [63] Contributed talk, NSF Astronomy & Astrophysics Postdoctoral Fellows Symposium, Long Beach, CA, Jan. 4, 2009
- [64] Invited talk, SACNAS National Conference, Salt Lake City, UT, Oct. 10, 2008
- [65] Contributed talk, NSF Astronomy & Astrophysics Postdoctoral Fellows Symposium, Austin, TX, Jan. 6, 2008
- [66] Contributed talk, NSF Astronomy & Astrophysics Postdoctoral Fellows Symposium, Seattle, WA, Jan. 6, 2007
- [67] Colloquium, Kyoto University, Kyoto, Japan, Dec. 5, 2006
- [68] Colloquium, American Museum of Natural History, Nov. 6, 2006
- [69] Invited talk, SACNAS National Conference, Tampa, FL, Oct. 27, 2006
- [70] Colloquium, Vanderbilt University, Feb. 2, 2006
- [71] Invited talk, NSBP/NSHP Joint Annual Conference, Orlando, FL, Feb. 19, 2005
- [72] Invited talk, SACNAS National Conference, Austin, TX, Oct. 23, 2004
- [73] Invited talk, NSBP/NSHP Joint Annual Conference, Washington, DC, Feb. 20, 2004

**meetings
organized**

- “WHAT’S UP WITH SPIN DOWN?” 2022
Co-organizer of a splinter session at 21st Cool Stars meeting, Toulouse, France, July 4.
See <https://bit.ly/3tsfqkh>
- STELLAR MAGNETISM MINI-MEETING 2017
Co-organizer of a week-long workshop in Bellingham, WA, Aug. 14-18. Eleven attendees.
See <https://bit.ly/2jTIIvz>

meetings organized continued	<p>“STAR CLUSTERS FROM SPACE, FROM THE GROUND, AND OVER TIME” Co-organizer of a two-day splinter session at 19th Cool Stars meeting, Uppsala, Sweden, June 6-7. Twenty speakers. See https://bit.ly/2IbUnxv</p> <p>COOL STARS MARCH MINI-MEETING Co-organizer of a three-day workshop at Columbia U., Mar. 16-18. Fifteen attendees. See https://bit.ly/2rHtwyD</p> <p>CUPUC WORKSHOP II Co-organizer of a three-day joint Columbia U. –Pontificia Universidad Católica (CUPUC) workshop at Columbia U., Dec 14-16. Hosted seven PUC faculty members. See https://bit.ly/2rEg538</p> <p>CUPUC WORKSHOP I Co-organizer of a three-day CUPUC workshop hosted by the Instituto de Astrofísica, Santiago, Chile, May 27-29. Five Columbia U. faculty and six graduate students attended. See https://bit.ly/2Idvp0K</p> <p>COOL STARS COLUMBIA-CORNELL WORKSHOP Co-organizer of a week-long workshop in Ithaca, NY, Aug. 9-13. Fifteen attendees. Culminated in one-day symposium; see https://bit.ly/2jTIYUH</p> <p>“PLANETS, STARS, GALAXIES, ENGINEERS: ASTRONOMY INSTRUMENTATION AND YOU” Co-organizer of National Optical Astronomy Observatory workshop at annual meeting of the Society of Hispanic Professional Engineers, Washington, DC, Oct. 29.</p> <p>ANNUAL RESEARCH SYMPOSIUM, BRIDGE TO THE PH.D. PROGRAM Organize symposium at Columbia to highlight research accomplishments of Program participants and alumni. Usually features a dozen speakers and 50-80 attendees.</p> <p>ASTRONOMY SESSIONS, NSBP/NSHP JOINT MEETING Co-organizer of four sessions at annual NSBP/NSHP meeting, Nashville, TN, Feb. 12-14. Nineteen speakers, 30-50 attendees. See https://bit.ly/2GdMBgS</p> <p>ASTRONOMY SESSIONS, NSBP/NSHP JOINT MEETING Co-organizer of three sessions at annual NSBP/NSHP meeting, Washington, DC, Feb. 22-23. Fourteen speakers, 30-50 attendees. See https://bit.ly/2jVLz00</p>	<p>2016</p> <p>2016</p> <p>2015</p> <p>2015</p> <p>2010</p> <p>2009</p> <p>2009-present</p> <p>2009</p> <p>2008</p>
grants for meetings	<p>WE ARE FAMILY: THE BRIDGE PROGRAM’S TENTH ANNIVERSARY SYMPOSIUM NSF: unsolicited proposal Award period: 05/01/2018-04/30/2019 Award: \$30,000</p> <p>A JOINT WORKSHOP WITH THE PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE Columbia U. President’s Global Innovation Fund Award period: 06/01/2014-05/31/2015 Award: \$25,000</p> <p>ENHANCING THE ROLE OF PHYSICS AND OF THE NSHP AT THE SACNAS NATIONAL CONFERENCE NSF: unsolicited proposal (PI: J. Draayer, president, Southeastern Universities Research Association (SURA); served as co-PI) Award period: 07/15/2012-06/30/2015 Award: \$75,000</p> <p>THE 2011 JOINT ANNUAL CONFERENCE OF THE NSBP/NSHP NSF: unsolicited proposal (PI: J. Draayer, SURA) Award period: 06/15/2011-05/31/2012 Award: \$299,380</p>	<p>2018</p> <p>2014</p> <p>2012</p> <p>2011</p>

service to university	SELECTION COMMITTEE, PRESIDENTIAL AWARDS FOR OUTSTANDING TEACHING BY FACULTY Identified candidates for Presidential Awards for Outstanding Teaching, established in 1996 to honor Columbia U.'s best instructors.	2019-2022
	REVIEWER, OFFICE OF GLOBAL PROGRAMS & FELLOWSHIPS Evaluated applications for Columbia's Kellett Fellowship and for the national Churchill and Goldwater Scholarships.	2013-2015, 2024
	NASA NEW YORK SPACE GRANT CONSORTIUM REPRESENTATIVE, DEPARTMENT OF ASTRONOMY Serve as liaison with state Space Grant office. Responsible for grant-writing (\approx \$400,000 since 2010 for department activities, including support for outreach).	2010-present
	FACULTY OUTREACH DIRECTOR, DEPARTMENT OF ASTRONOMY With assistance of half-time outreach administrator, oversaw departmental outreach efforts, which reached \approx 3000 people a year.	2010-2022
	FOUNDING DIRECTOR, BRIDGE TO PH.D. PROGRAM IN STEM Lead Columbia program that prepares underrepresented post-baccalaureates for transition into Ph.D. programs.	2008-2026
service to discipline	PRESIDENT, AMERICAN ASTRONOMICAL SOCIETY President of the AAS and member of its Board of Trustees.	2026-present
	MEMBER, ADVISORY COMMITTEE, TEAM-UP TOGETHER Advise leadership of TEAM-UP Together, an initiative to double the number of Black students earning physics and astronomy degrees nationally by 2030. See https://www.teamuptogether.org/	2024-present
	MEMBER, REVIEW PANEL, PHYSICS AND ASTRONOMY STEMM EQUITY ACHIEVEMENT CHANGE (SEA CHANGE) PROJECT Evaluate departments applying for SEA Change recognition of their systemic efforts to address equity, diversity, and inclusion.	2024
	MEMBER, NOIRLAB'S ANNUAL PROGRAM REVIEW PANEL Tasked by NSF with evaluating NOIRLab's performance in managing and operating its observatories and centers in FY 2023 and its plans for FY 2024.	2024
	MEMBER, TRANSITING EXOPLANET SURVEY SATELLITE USERS COMMITTEE Provided input to ensure that TESS remains a productive observatory in its extended mission.	2023-2025
	MEMBER, EXTERNAL REVIEW COMMITTEE, WESLEYAN UNIVERSITY DEPARTMENT OF ASTRONOMY Tasked with evaluating department for university provost.	2023
	MEMBER, ADVISORY COMMITTEE, AMERICAN INSTITUTE OF PHYSICS (AIP) STATISTICAL RESEARCH CENTER (SRC) Advise SRC on data collection related to AIP's mission to advance the success of the physical sciences.	2023-present
	MEMBER, BARRY GOLDWATER SCHOLARSHIP REVIEW COMMITTEE Reviewed physics and astronomy applications for Goldwater Scholarship, the most prestigious scholarship for undergraduate STEM majors.	2023

**service to
discipline**
continued

MEMBER, NASA ASTROPHYSICS SENIOR REVIEW SUBCOMMITTEE Participated in triennial evaluation of NASA astrophysics missions.	2022, 2025
MEMBER, NASA PANEL REVIEWING HUBBLE FELLOWSHIP PROGRAM Tasked by NASA with conducting first review of its flagship post-doctoral fellowship program. See https://tinyurl.com/zvzbdn6u	2021
MEMBER, EXPERT WORKING GROUP ON PANEL REFORM, RESEARCH FOUNDATION – FLANDERS (BELGIUM) Charged by Flemish equivalent of the NSF with how best to structure review panels for thousands of research applications received each year.	2020-2024
MEMBER, SCIENCE ADVISORY COUNCIL, STAMFORD MUSEUM & NATURE CENTER, STAMFORD, CT Advise on development of science programming for museum. See https://www.stamfordmuseum.org/	2019-present
MEMBER, ALLIANCE MANAGEMENT TEAM, INCLUSIVE GRADUATE EDUCATION NETWORK (IGEN) Represented the AAS on the management team for the NSF INCLUDES-funded IGEN project, designed to increase the number of physical science doctoral degrees earned by underrepresented students. See https://igenetwork.org/	2019-2022
MEMBER, AMERICAN ASTRONOMICAL SOCIETY TASK FORCE ON DIVERSITY AND INCLUSION IN ASTRONOMY GRADUATE EDUCATION Co-authored report commissioned by the AAS. Co-chaired working group on admissions and recruitment. See https://tinyurl.com/4z7kw42w	2018-2019
TRUSTEE, AMERICAN ASTRONOMICAL SOCIETY Elected member of the AAS's board of trustees, its governing body. Member of the AAS's finance committee and chair of its audit committee.	2017-2021
MEMBER, LSST INTERNATIONAL CONTRIBUTORS COMMITTEE Elected member of the LSST Corporation's committee responsible for managing international partnerships.	2017-2019
MEMBER, SELECTION COMMITTEE, GOLDEN GOOSE AWARD Select recipients of the American Association for the Advancement of Science's annual award for quirky and impactful science.	2016-present
MEMBER, SPACE STUDIES BOARD COMMITTEE ASSESSING THE NSF'S 2015 GEOSPACE PORTFOLIO REVIEW Evaluated NSF's review of its Geospace portfolio against Decadal Survey priorities.	2016
EXPERT PANEL: SCIENCES OF THE EARTH AND SPACE, RESEARCH FOUNDATION – FLANDERS (BELGIUM) Served on and later chaired panel evaluating proposals in astrophysics and Earth sciences.	Chair, 2019-2020 Member, 2015-2018
MEMBER, COMMUNITY SCIENCE ADVISORY COMMITTEE, ZWICKY TRANSIENT FACILITY (ZTF) Advised the ZTF PI Shri Kulkarni on matters of importance to the US community.	2014-2020
MEMBER, NSF DIVISION OF ASTRONOMICAL SCIENCES PORTFOLIO REVIEW COMMITTEE Produced guidelines for implementing Astro2010 Decadal Survey recommendations for ground-based astronomy in light of budgetary realities.	2011-2012

**service to
discipline**
continued

PROPOSAL REVIEWER

Chilean National Commission for Science and Technology and National Agency of Research and Development; National Killam Program (Canada); NASA Post-doctoral Program; NSF GK-12, AAPF, and Astronomy & Astrophysics Research Grants programs; NSF facilities management competition; MIT, Oxford, and Columbia University Presses; Elsevier; Research Corporation; Sloan Foundation.

SCIENTIFIC REFEREE

ApJ, Astronomy & Astrophysics, MNRAS, and PASP.