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	Cambridge, MA, 02138	Web: <a href="https://richteague.github.io">https://richteague.github.io</a>
CITIZENSHIP	United Kingdom	
RESEARCH EXPERIENCE	<b>Smithsonian Astrophysical Observatory</b>	Sep. 2019 – Apr. 2020
	<i>Submillimeter Array Fellow</i>	
	<ul style="list-style-type: none"><li>• Unveiling the Kinematics of the Planet Formation Process</li></ul>	
	<b>University of Michigan</b>	May 2017 – Jul. 2019
	<i>Postdoctoral Researcher</i>	
EDUCATION	<ul style="list-style-type: none"><li>• Molecular probes of the physical structure of protoplanetary disks.</li><li>• Advisor: Prof. Ted Bergin</li></ul>	
	<b>Max-Planck-Institute for Astronomy</b>	Jan. 2017 – Apr. 2017
	<i>Postdoctoral Researcher</i>	
	<ul style="list-style-type: none"><li>• Sub-mm observations of planet forming disks.</li><li>• Advisor: Prof. Thomas Henning</li></ul>	
	<b>Max-Planck-Institute for Astronomy</b> , Heidelberg, Germany	
HONOURS & AWARDS	Ph.D. in Astronomy (Magna Cum Laude)	Oct. 2013 – Jan. 2017
	<ul style="list-style-type: none"><li>• Thesis title: <i>Tracing the Earliest Stages of Planet Formation through Modelling and Sub-Millimeter Observations</i></li><li>• Advisors: Prof. Thomas Henning and Dr. Dmitry Semenov</li><li>• Fellow of the International Max Planck Research School (IMPRS).</li></ul>	
	<b>University of Edinburgh</b> , Edinburgh, United Kingdom	
	MPhys Astrophysics (First Class Honours)	Sept. 2008 – May 2013
	<ul style="list-style-type: none"><li>• Thesis title: <i>Cosmology in Modified Gravity Models</i></li><li>• Advisor: Prof. Andy Taylor</li></ul>	
HONOURS & AWARDS	<b>Ernst Patzer Award</b>	Nov. 2016
	<i>Awarded for the best refereed publication by a young scientist.</i>	
	<b>Pre-Honours Certificate of Merit</b>	May 2011
HONOURS & AWARDS	<i>Awarded for top 5% performance in pre-honours exams.</i>	
	<b>Pre-Honours Certificate of Merit</b>	May 2010

*Awarded for top 5% performance in pre-honours exams.*

PROFESSIONAL SERVICES	<b>Postdoc and Research Scientist DEI Representative</b>	2018 – 2019
	<i>Department Diversity, Equity and Inclusion Committee Member</i>	
	<b>Equi-Tea Organizer</b>	2018 – 2019
	<i>Diversity, Equity and Inclusion Journal Club</i>	
	<b>Stars, Planets and Formation Seminar Organizer</b>	2018 – 2019
	<i>Departmental Seminar Series</i>	
	<b>Conversations on Equity and Inclusion Co-organizer</b>	2018 – 2019
	<i>Joint Physics / Astronomy / Space Sciences DEI Colloquium Series</i>	
	<b>NESSF External Reviewer</b>	2018
	<b>Heidelberg MPG Student Workshop Organizer</b>	2016
	<b>PSF Coffee Organizer</b>	2015 – 2017
	<i>Departmental Seminar Series</i>	
	<b>MPIA Student Representative</b>	2015 – 2017
TALKS & SEMINARS	<b>MPIA Student Workshop Organizer</b>	2015, 2016
	<b>IMPRS Graduate Student Representative</b>	2013 – 2017
	<b>Referee for AAS, A&amp;A and MNRAS journals</b>	
	<b>JPL Astrophysics Colloquium</b>	November 2019
	<i>Witnessing the Dynamics of Planetary Assembly</i>	(invited)
	<b>Gordon Research Seminar</b>	June 2019
	<i>Unveiling the Dynamics of Planet Formation</i>	
	<b>IAU Symposium 350: Laboratory Astrophysics</b>	Apr. 2019
	<i>Tracing The Physical Conditions of Planet Formation with Molecular Excitation</i>	(invited)
	<b>Planet-Forming Disks</b>	Mar. 2019
	<i>Unveiling the Dynamics of Planet Formation</i>	(invited)
	<b>NAOJ Theoretical Astronomy Seminar</b>	Oct. 2018
	<i>Observing the Kinematics of Planet-Disk Interactions with ALMA</i>	(invited)
	<b>LMU Munich Astronomy Colloquium</b>	Aug. 2018
	<i>Using Kinematics to Search for Embedded Protoplanets</i>	(invited)
	<b>University of Tübingen Astronomy Seminar</b>	Aug. 2018
	<i>Kinematical Detections of Embedded Protoplanets</i>	(invited)
	<b>Astrophysical Frontiers in the Next Decade and Beyond</b>	Apr. 2018
	<i>The First Kinematical Detection of Embedded Protoplanets</i>	
	<b>Magnetic Fields or Turbulence</b>	Feb. 2018
	<i>A Spatially Resolved Search for Turbulence in TW Hya</i>	
	<b>MPIA Patzer Awards Colloquium</b>	Nov. 2016

	<i>Measuring Turbulence in TW Hya with ALMA: Methods and Limitations</i>	(invited)
	<b>MPIA Königstuhl Colloquium</b>	Nov. 2016
	<i>Observing the Earliest Stages of Planet Formation</i>	(invited)
	<b>Astrochemistry with ALMA Cycle 4</b>	Jun. 2016
	<i>Detecting Turbulence in Protoplanetary Disks</i>	(invited)
	<b>Sant-Cugat Forum on Astrophysics</b>	Apr. 2016
	<i>Turbulence in Protoplanetary Disks: Methods and Limitations</i>	
	<b>Protoplanetary Discussions</b>	Mar. 2016
	<i>Turbulence in TW Hya</i>	
	<b>Chemical Diagnostics of Star and Planet Formation</b>	Jan. 2015
	<i>Deuterium Fraction in Protoplanetary Disks</i>	(invited)
	<b>ZAG - IPAG - MPIA Workshop on Planet Formation</b>	Jan. 2015
	<i>Deuterium Fraction in DM Tau</i>	(invited)
SUPERVISION	<b>Deryl Long</b> University of Michigan	2019
	<i>Undergraduate student. Co-supervised with Ted Bergin and Ke Zhang, UMich.</i>	
	<b>Case Hazewinkel</b> University of Michigan	2019
	<i>Undergraduate student. Co-supervised with Ted Bergin, UMich.</i>	
	<b>Jeanne Kwon</b> University of Michigan	2018 – 2019
	<i>Undergraduate Research Opportunity Program</i>	
	<b>Julian Penzinger</b> Ludwig Maximilian University	2016, 2018
	<i>Summer student. Co-supervised with Dmitry Semenov, MPIA.</i>	
SCHOOL PARTICIPATION	<b>45th Saas-Fee Course</b>	2015
	<i>From Protoplanetary Disks to Planet Formation</i>	
	<b>Heidelberg Graduate School on Fundamental Physics</b>	2015
	<b>DIANA Protoplanetary Disk School</b>	2014
OBSERVING EXPERIENCE	<b>MPG/ESO 2.2m</b>	2016
	<i>14 nights</i>	
TEACHING	<b>Wavefront Analysis Laboratory Instructor</b>	2014
PUBLICATIONS (FIRST AUTHOR)	<b>Teague, R.</b> , 2019, IAU Proceedings Series, in press.	
	<i>Tracing The Physical Conditions of Planet Formation with Molecular Excitation</i>	
	<b>Teague, R.</b> , Bae, J., Huang, J., Bergin, E. 2019, ApJL, 884	
	<i>Spiral Structure in the Gas Disk of TW Hya</i>	
	<b>Teague, R.</b> , Bae, J., Bergin, E. 2019, Nature, 574	
	<i>Meridional Flows in the Disk Around a Young Star</i>	

- Teague, R.**, 2019, *Journal of Open Source Software*, 4  
*Statistical Uncertainties in Moment Maps of Line Emission*
- Teague, R.**, 2019, *RNAAS*, 3  
*Statistical Uncertainties in Moment Maps of Line Emission*
- Teague, R.**, 2019, *Journal of Open Source Software*, 4  
*eddy: Extracting Protoplanetary Disk Dynamics with Python*
- Teague, R.**, Bae, J., Birnstiel, T. & Bergin, E., 2018, *ApJ*, 868  
*Evidence For A Vertical Dependence on the Pressure Structure in AS 209*
- Teague, R.** & Foreman-Mackey, D., 2018, *RNAAS*, 2  
*A Robust Method to Measure Centroids of Spectral Lines*
- Teague, R.**, Henning, T., Guilloteau, S., et al., 2018, *ApJ*, 864  
*Temperature, Mass, and Turbulence: A Spatially Resolved Multiband Non-LTE Analysis of CS in TW Hya*
- Teague, R.**, Bae, J., Bergin, E. A., et al., 2018, *ApJL*, 860  
*A Kinematical Detection of Two Embedded Jupiter-mass Planets in HD 163296*
- Teague, R.**, Semenov, D., Gorti, U., et al., 2017, *ApJ*, 835  
*A Surface Density Perturbation in the TW Hydrae Disk at 95 au Traced by Molecular Emission*
- Teague, R.**, Guilloteau, S., Semenov, D., et al., 2016, *A&A*, 592  
*Measuring turbulence in TW Hya with ALMA: methods and limitations*
- Teague, R.**, Semenov, D., Guilloteau, S., et al., 2015, *A&A*, 574  
*Chemistry in disks. IX. Observations and modelling of HCO<sup>+</sup> and DCO<sup>+</sup> in DM Tauri*
- (CO-AUTHOR) Rosotti, G., Benisty, M., Juhász, A., et al., 2019, *MNRAS*, in press.  
*Spiral arms in the proto-planetary disc HD100453 detected with ALMA*
- Bae, J., Zhu, Z., Baruteau, C., et al., 2019, *ApJL*, 884  
*An Ideal Testbed for Planet-disk Interaction: Two Giant Protoplanets in Resonance Shaping the PDS 70 Protoplanetary Disk*
- Isella, A., Benisty, M., **Teague, R.**, et al., 2019, *ApJL*, 879  
*Detection of Continuum Submillimeter Emission Associated with Candidate Protoplanets*
- Gallo, E., **Teague, R.**, Plotkin, R. M., et al., 2019, *MNRAS*, 488  
*ALMA observations of A0620-00: fresh clues on the nature of quiescent black hole X-ray binary jets*
- Schwarz, K., **Teague, R.**, Bergin, E., et al., 2019, *ApJL*, 876.  
*Line Ratios Reveal N<sub>2</sub>H<sup>+</sup> Emission Originates above the Midplane in TW Hydrae*
- Keppler, M., **Teague, R.**, Bae, J., et al., 2019, *A&A*, in press.  
*Highly structured disk around the planet host PDS 70 revealed by high-angular resolution observations with ALMA*
- Semenov, D., Favre, C., Fedele, D., et al., 2018, *A&A*, 617  
*Chemistry in disks. XI. Sulfur-bearing species as tracers of protoplanetary disk physics*

and chemistry: the DM Tau case

Flaherty, K. M., Hughes, A. M., **Teague, R.**, et al., 2018, ApJ, 856

*Turbulence in the TW Hya Disk*

Fedele, D., Tazzari, M., Booth, R., et al., 2018, A&A, 610

*ALMA continuum observations of the protoplanetary disk AS 209. Evidence of multiple gaps opened by a single planet*

Flock, M., Nelson, R. P., Turner, N. J., et al., 2017, ApJ, 850

*Radiation Hydrodynamical Turbulence in Protoplanetary Disks: Numerical Models and Observational Constraints*

Dutrey, A., Guilloteau, S., Piétu, V., et al., 2017, A&A, 607

*The Flying Saucer: Tomography of the thermal and density gas structure of an edge-on protoplanetary disk*

Beuther, H., Linz, H., Henning, T., et al., 2017, A&A, 605

*Multiplicity and disks within the high-mass core NGC 7538IRS1. Resolving cm line and continuum emission at  $0.06 \times 0.05$  resolution*

Parfenov, S. Y., Semenov, D. A., Henning, T., et al., 2017, MNRAS, 468

*On the methanol emission detection in the TW Hya disc: the role of grain surface chemistry and non-LTE excitation*

van Boekel, R., Henning, T., Menu, J., et al., 2017, ApJ, 837

*Three Radial Gaps in the Disk of TW Hydrae Imaged with SPHERE*

Haworth, T. J., Ilee, J. D., Forgan, D. H., et al., 2016, PASA, 33

*Grand Challenges in Protoplanetary Disc Modelling*

Feng, S., Beuther, H., Semenov, D., et al., 2016, A&A, 593

*Inferring the evolutionary stages of the internal structures of NGC 7538 S and IRS1 with chemistry*

SUCCESSFUL TELESCOPE PROPOSALS (AS PI)	<b>ALMA PI: Teague, R.</b> , 13.8 hours, 2019.1.01357.S, A ranked	2019
	<i>Constraining the H<sub>2</sub> Surface Density Profile in IM Lup</i>	
	<b>ALMA PI: Teague, R.</b> , 3.0 hours, 2019.1.00794.S, B ranked	2019
	<i>Detecting the Photoevaporative Wind in IM Lup</i>	
	<b>ALMA PI: Teague, R.</b> , 33.2 hours, 2019.1.00419.S, B ranked	2019
	<i>Mapping the 3D Kinematic Structure of Planet Formation</i>	
	<b>ALMA PI: Teague, R.</b> , 20.2 hours, 2018.A.00021.S, DDT	2019
	<i>Confirmation of an Embedded Planet in the Disk of TW Hya</i>	
	<b>Magellan/MagAO PI: Teague, R.</b> , 6 hours	2018
	<i>Searching for Wide Separation Planets in AS 209</i>	
	<b>ALMA PI: Teague, R.</b> , 6.7 hours, 2018.1.00980.S, A ranked	2018
	<i>An Unambiguous Detection of a Magnetic Field in a Protoplanetary Disk</i>	
	<b>ALMA PI: Teague, R.</b> , 5.3 hours, 2016.1.00440.S, A ranked	2016
	<i>Model Independent Study of Turbulence and Temperature in TW Hya</i>	

**IRAM PdBI PI: Teague, R.**, 19.9 hours, W14BI, C ranked  
*Disk Diagnostics with Deuteration*

2014

(TOTAL TIME 200 hours (ALMA), 150 hours (IRAM), 7 hours (ESO).  
AS CO-1)