

# ROCIO AYLÉN KIMAN

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The Graduate Center, CUNY  
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<b>Education</b>	The Graduate Center, CUNY, USA	August 25 2016 – Expected Spring 2021
	Ph.D. in Physics Thesis Advisors: Prof. Kelle Cruz & Prof. Jackie Faherty	
	Universidad de Buenos Aires, Argentina	March 1 2011 – March 31 2016
	Licenciatura in Physics Thesis Title: “Higgs boson pair production at the LHC” Thesis Advisor: Prof. Daniel de Florian	
<b>Appointments</b>	Non-Teaching Adjunct Hunter College, CUNY	August 2020 – Present
	Graduate Research Assistant Research Foundation, CUNY	August 2017 – Present
	Graduate Assistant A Hunter College, CUNY	August 2019 – August 2020
	Non-Teaching Adjunct Hunter College, CUNY	August 2017 – August 2019
	Non-Teaching Adjunct Graduate Center, CUNY	August 2016 – August 2017
	Teaching Assistant Universidad de Buenos Aires, Argentina Teaching assistant for Classical Mechanics classes.	March 2016 – August 2016
<b>Grants &amp; Awards</b>	PSC-CUNY Cycle 51 Trad B Research Award, (PI: K.Cruz) for \$6000	April 16 2020
	Sigma Xi Grants in Aid of Research, for \$4334	June 01 2019
	Doctoral Student Research Grant (Round 14) for \$875	March 13 2019
	Provost’s Pre-Dissertation Research Fellowship for the Sciences, for \$5000	March 08 2019
	K2 Guest Observer Cycle 6 (PI: J. Faherty) for \$125,000	June 25 2018
	PSC-CUNY Cycle 49 Trad B Research Award (PI: K.Cruz) for \$6000.00	April 13 2018
	CUNY Science Scholarship	August 25 2016
	AY 2016–2017: \$26,000 stipend and full tuition AY 2017–2018, AY 2018–2019, AY 2019–2020 and AY 2020–2021: full tuition CONICET Doctoral Fellowship, \$5270 stipend	April 01 – August 24 2016
<b>Publications</b>	<b>First author</b>  <i>Calibration of the H<math>\alpha</math> Age-Activity relation for M dwarfs</i> <b>Kimán, R.;</b> Faherty, J.K.; Cruz, K.L.; Gagné, J.; Angus, R.; Schmidt, S. J.; Mann, A.W.; Bardalez Gagliuffi, D.C.; Rice, E.; Submitted to ApJ on August 14 2020.	

*Exploring the age dependent properties of M and L dwarfs using Gaia and SDSS.*

**Kiman, R.**, Schmidt, S.J., Angus, R., Cruz, K.L., Faherty, J.K. & Rice, E., The Astronomical Journal, 157, 6, 231 (2019) DOI: 10.3847/1538-3881/ab1753

#### Co-author

*Spitzer Follow-up of Extremely Cold Brown Dwarfs Discovered by the Backyard Worlds: Planet 9 Citizen Science Project.*

Meisner, A. M.; Faherty, J.K.; Kirkpatrick, J. D.; Schneider, A.C.; Caselden, D.; Gagné, J.; Kuchner, M.J.; Burgasser, A.J.; Casewell, S.L.; Debes, J.H.; Artigau, É.; Bardalez Gagliuffi, D.C.; Logsdon, S.E.; **Kiman, R.** et al., The Astrophysical Journal, Volume 899, Issue 2, id.123 (2020) DOI:10.3847/1538-4357/aba633

*Discovery of a Nearby Young Brown Dwarf Disk*

Schutte, M. C.; Lawson, K. D.; Wisniewski, J. P.; Kuchner, M. J.; Silverberg, S. M.; Faherty, J. K.; Bardalez Gagliuffi, D. C.; **Kiman, R.**; Gagné, J.; Meisner, A.; Schneider, A. C.; Bans, A. S.; Debes, J. H.; Kovacevic, N.; Bosch, M. K. D.; Durantini Luca, H. A.; Holden, J.; Hyogo, M., (2020) arXiv:2007.15735

*Exploring the evolution of stellar rotation using Galactic kinematics*

Angus, R.; Beane, A.; Price-Whelan, A. M.; Newton, E.; Curtis, J. L.; Berger, T.; van Saders, J.; **Kiman, R.**; Foreman-Mackey, D.; Lu, Y.; Anderson, L.; Faherty, J. K., The Astronomical Journal, Volume 160, Number 2 (2020) DOI: 10.3847/1538-3881/ab91b2

*Toward Precise Stellar Ages: Combining Isochrone Fitting with Empirical Gyrochronology.*

Angus, R., Morton, T. D., Foreman-Mackey, D., van Saders, J., Curtis, J., Kane, S. R., Bedell, M., **Kiman, R.**, Hogg, D. W.; Brewer, J. The Astronomical Journal, Volume 158, Issue 5, article id. 173, 12 pp. (2019). DOI: 10.3847/1538-3881/ab3c53

#### Non-refereed publications

*wdwarfdate: A python package to estimate white dwarfs ages in a Bayesian framework.*

**Kiman, R.**; Xu, S.; Faherty, J.K.; Angus, R.; Casewell, S.L.; Gagné, J.; Cruz, K.L.; in prep. Approximate submitting date: September 30 2020

*Evaluating Rotation Periods of M dwarfs* Popinchalk, M.; Faherty, J.; **Kiman, R.**; Angus, R.; Curtis, J.; Gagne, J.; Cruz, K.; Rice, E., in prep.

#### Invited Talks

*Age-dating low mass stars using magnetic activity and kinematics.* Seminar, January 10 2020, Gemini Observatory, Hilo, HI, USA.

*Finding Age Relations for Low Mass Stars Using Magnetic Activity and Kinematics.* Seminar, July 2, 2019, Leibniz-Institut für Astrophysik Potsdam (AIP), Potsdam, Germany.

*Finding Age Relations for Low Mass Stars Using Magnetic Activity and Kinematics.* Seminar, May 23, 2019, Princeton University, NJ, USA.

*An Open Discussion on Software.* Invited panelist, AAS 233, 6–10 January, 2019, Seattle, Washington, USA

#### Contributed Presentations

*Age-Activity relation for M dwarfs using H $\alpha$  equivalent widths* Kiman R., Faherty J., Cruz K., Xu S., Schmidt S., Angus R., Gagné J., Bardalez Gagliuffi D., Rice E., Poster presentation, AAS 235, 4-8 January, 2020, Honolulu, HI, USA.

*TRAPPIST-1 in the context of M-dwarfs re-defined by Gaia DR2.* Contributed talk, TRAPPIST-1 conference, June 11–14, 2019, Liège, Belgium.

*Finding age relations for low mass stars using magnetic activity and kinematics.* Contributed talk, Big Apple Magnetic Fields Conference, January 24–25, 2019, Center for Computational Astrophysics at the Flatiron Institute, NY, New York, USA.

*Finding age relations for low mass stars using magnetic activity and kinematics.* Kiman, R., Schmidt, S.J., Angus, R., Cruz, K.L., Faherty, J.K. & Rice, E., Poster presentation, AAS 233, 6–10 January, 2019, Seattle, Washington, USA.

*Age Dating Low Mass Stars Using Galactic Kinematics.* Kiman, R., Schmidt, S.J., Angus, R., Cruz, K.L., Faherty, J.K. & Rice, E., Poster presentation, Cool Stars, July 30 to August 3, 2018, Boston-Cambridge, USA.

*Age Dating Low Mass Stars Using Galactic Kinematics.* Contributed talk, Cool Stars, July 30 to August 3, 2018, Boston-Cambridge, USA.

*Age Dating Low Mass Stars Using Galactic Kinematics.* Contributed talk, Graduate Research Conference, May 10, 2018, College of Staten Island, NY, USA.

*Age Dating Low Mass Stars Using Galactic Kinematics.* Kiman, R., Cruz, K.L., Angus, R., Schmidt, S.J. & Faherty, J.K., Poster presentation, AAS 231, 8–12 January, 2018, Washington DC, USA.

*Gaia-Cupid: Age-dating low mass stars using galactic kinematics.* Kiman, R., Cruz, K.L., Angus, R., Schmidt, S.J. & Faherty, J.K., Poster presentation, BDExoCon II, 26–27 October 2017, Delaware, USA.

*Gaia-Cupid: Age-dating low mass stars using galactic kinematics.* Lightning Talk, SDSS-IV Collaboration Meeting, 24–26 July 2017, Santiago, Chile.

*Photolysis of caged compounds with controlled temporal modulation.* Kiman, R., Camino, P., Ponce Dawson, S., Lopez, L., Piegari, S., Poster Presentation, 99° RNF-AFA (National Meeting of the Physical Association Argentina) 22–25 September, 2014, Buenos Aires, Argentina.

## Conferences Attended

*AAS 235.* 4–8 January, 2020, Honolulu, HI, USA.

*BDExoCon III.* 21–22 October, 2019, Newark, DE, USA.

*TRAPPIST-1 conference.* June 11–14, 2019, Liège, Belgium.

*AAS 233.* 6–10 January, 2019, Seattle, Washington, USA.

*.Astronomy X.* 24–27 September 2018, Baltimore MD, USA.

*Cool Stars.* July 30 to August 3, 2018, Boston-Cambridge, USA.

*Gaia Sprint.* 4–8 to June, 2018, Center for Computational Astrophysics at the Flatiron Institute, NY, New York, USA.

*Python in Astronomy.* April 30 to May 4, 2018, Center for Computational Astrophysics at the Flatiron Institute, NY, New York, USA.

*Gaia DR2 Sprint.* 25–27 April, 2018, Center for Computational Astrophysics at the Flatiron Institute, NY, New York, USA.

*AAS 231.* 8–12 January, 2018, Washington DC, USA.

*BDExoCon II.* 26–27 October 2017, Newark, DE, USA.

*SDSS-IV Collaboration Meeting.* 24–26 July 2017, Santiago, Chile.

<b>Schools Attended</b>	<i>Space Astrometry For Astrophysics.</i> 3–7 June 2019, L'Aquila, Italy	
	<i>IYAS on the scientific exploration of the Gaia data.</i> February 26 to March 2, 2018, Paris, France.	
	<i>La Serena School of Data Science.</i> 21-29 August, 2017, La Serena, Chile.	
<b>Teaching Experience</b>	ASTRO 10200 - Laboratory Explorations in Astronomy Hunter College, CUNY, New York, USA	January 27 – May 28 2020
	ASTRO 10200 - Laboratory Explorations in Astronomy Hunter College, CUNY, New York, USA	August 26 – December 12 2019
	Classical Mechanics University of Buenos Aires, Argentina	March 1 – June 30 2016
	Private Tutor for High-School and Undergraduate Students High-school subjects: Mathematics, Physics, Chemistry and Informatic Undergraduate subjects: Calculus, Algebra, Physics and Chemistry	March 01 2009 – December 25 2015
	Participation in the presentation in Spanish <i>Astronomía en Vivo: Historia del Universo</i> American Museum of Natural History, New York, USA. Open public.	September 24 2019
<b>Outreach Activities</b>	Presentation at Adventures in Science Camps American Museum of Natural History, New York, USA. For children in Grades 1–5.	January 29 2019
	Outreach Assistant Universidad de Buenos Aires, Argentina	2014 – 2016
	Presenter at the “Physics week” for high-school students, 2014-2015.	
	Presenter at the “Museum’s night”, 2014-2015.	
	Presenter at the Book Fair in Buenos Aires, May 2015.	
	Monthly outreach talks for high-school students about the career in Physics.	