Michael K. McCourt

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Education and Academic Positions

UC Santa Barbara	*2016–present*	KITP and Hubble Fellow
	2015–2016	Postdoc
Harvard	*2014–2015*	ITC Fellow
UC Berkeley	*2008–2014*	Graduate Student · *2014: Ph.D. astrophysics* · *2010: M.A. astrophysics* · *advisor: Eliot Quataert*
Stanford University	*2005–2008*	Undergraduate Student · *2008: B.S. physics* · *concentration in theoretical physics* · *advisor: Roger Blandford*

Awards

UC Berkeley	*April 2014*	Mary Elizabeth Uhl Prize
	May 2012	Robert J. Trumpler Graduate Student Excellence Award
Stanford University	*Fall 2007*	Nomination for the Churchill Scholarship
	Summer 2006	VPUE Grant for Undergraduate Research
Rose Hills Foundation	*Summer 2007*	Rose Hills Award for Undergraduate Research

Professional Service

- Co-instituted and co-organized a new lunch talk series at UCSB
- Organizer ("Mentor Master") for the UC Berkeley Astronomy Department peer-mentoring system.
- Referee for the *Astrophysical Journal* (and *ApJ Letters*), *MNRAS* (and *MNRAS Letters*), *Astrophysics and Space Science*, *Journal of Fluid Mechanics*, and *Nature Letters*.
- Author of several open-source emacs packages, including a popular major mode for editing gnuplot scripts and a browser for fetching BibTeX entries from ADS. Both are available in the MELPA package repository

FUNDING PROPOSALS

	grant	award ($k)	year
5	HST THEORY GRANT	120	2018
4*	ATP THEORY GRANT	700	2017
3	ATP THEORY GRANT	410	2017
2	HUBBLE FELLOWSHIP	350	2015
1	CHANDRA THEORY GRANT	60	2011
	total:	1640	

** denotes proposals where I was a Co-I*

COMPUTING GRANTS

	agency	award ($\times 10^6$ hour)	value ($k)	year
8	NSF	5.6	23	2017
7	NSF	1.6	55	2016
6	NSF	1.2	40	2016
5	NSF	0.6	20	2015
4	NSF	3.2	110	2015
3	NASA	4.7	100	2015
2	NSF	2.6	89	2014
1	NASA	2.4	75	2014
	total:	21.9	512	

most of these proposals are collaborative; this list includes only grants where I was a primary author

OBSERVING PROPOSALS

	facility	award (hours)	year
4	VLA	6.0	2017
3	GEMINI	1.0	2016
2	VLA	4.0	2015
1	VLA	6.0	2014

TEACHING EXPERIENCE

UC Santa Barbara

2017 — Organized and taught a fluid dynamics "bootcamp" for graduate students

2016–present — Supervising undergraduate research
- *will soon result in two student-led publications*

UC Berkeley

2008–2009 — Graduate Student Instructor

Stanford University

2008 — Undergraduate Instructor
- *co-designed and taught a course on numerical methods (Physics 90SI) under the student-initiated course program.*

SELECTED PRESENTATIONS

29. *Invited Talk*, What matter(s) around galaxies — June 2017
28. *Lunch Talk*, UC Santa Barbara — March 2017
27. *Contributed Talk*, Hubble Fellow Symposium — March 2017
26. *Astronomy Colloquium*, University of Washington — February 2017
25. *MPS Seminar*, UC Santa Cruz — October 2016
24. *Invited Talk*, Fellows at the Frontier Conference — September 2016
23. *Invited Talk*, Theory & Computation in the ICM — August 2016
22. *Seminar*, Cold Universe Workshop — June 2016
21. *Astronomy Seminar*, UCSB — April 2016
20. *Lunch Talk*, Harvard ITC — April 2015
19. *Pizza Lunch*, Harvard ITC — April 2015
18. *Lunch Talk*, UCSB — April 2015
17. *Lunch Talk*, UC Berkeley — March 2015
16. *Contributed Talk*, Black Holes in Dense Star Clusters — January 2015
15. *Cosmology Seminar*, Yale — September 2014
14. *CIERA Astrophysics Seminar*, Northwestern — September 2014
13. *Lunch Talk*, UC Berkeley — February 2014
12. *TAPIR Seminar*, Caltech — October 2013
11. *KIPAC "Tea-Talk" Seminar*, Stanford — October 2013
10. *ITC Seminar*, Harvard CfA — September 2013
9. *Geo- and Astro-physical Fluid Dynamics Seminar*, UCSC — April 2013
8. *Invited Talk*, SnowCluster conference — March 2013
7. *Astrophysics Seminar*, UCSB — October 2012
6. *Theory Seminar*, CITA — October 2012
5. *Informal Astrophysics Seminar*, Princeton IAS — October 2012
4. *Invited Talk*, Theory & Computation in the ICM — August 2012
3. *KITP Theory Lunch talk*, UCSB — April 2011
2. *Contributed Talk*, Theory & Computation in the ICM — August 2010
1. *KIPAC "Tea-Talk" Seminar*, Stanford — August 2006

USELESS AND UNUSUAL SKILLS

- *building wooden boats and furniture*
- *designing and building lightweight camping gear*
- *growing heirloom tomatoes and peppers in hostile climates*
- *onetime holder of a federal pyrotechnics permit*

Last updated: July 11, 2017

current version: mkmcc.github.io/cv/mkmcc-cv.pdf