

Suzanne Amador Kane

Professional Employment	2016 - present	Professor, Physics Department, Haverford College
	1999 - 2015	Associate Professor, Physics Department, Haverford College
	1991-98	Assistant Professor, Physics Department, Haverford College
	1988-1990	Postdoctoral research associate, Department of Chemistry, University of Pennsylvania; Research Supervisor: J. K. Blasie
	1984	Product engineer & technical writer, Piezoelectric Products, Cambridge MA
		I worked at an electronics start-up company between undergraduate and graduate school.
Education	1989	Ph.D., Applied Physics, Harvard University. Dissertation: "Light scattering and x-ray scattering studies of thin, freely-suspended liquid crystal films", advisor Prof. Peter S. Pershan.
	1984	M.S., Applied Physics, Harvard University.
	1982	B.S., Physics, Massachusetts Institute of Technology.
Honors & Awards		Temple University Nina W. Hillman Lecture, Andrew Mellon New Directions Fellowship, Haverford College Innovation in Teaching Award, Kalamazoo College, Jennifer Mills Lecturer, Sigma Xi.

Peer-reviewed Scientific Publications (undergraduate student coauthors are underlined)

1. Michael F. Ochs, Marjon Zamani, Gustavo Maia Rodrigues Gomes, Raimundo Cardoso de Oliveira Neto, **Suzanne Amador Kane**, "Sneak peak: hawks use stochastic head motions to perform visual searches," *The Auk* (accepted, 2016).
2. Roslyn Dakin, Owen McCrossan, James F. Hare, Robert Montgomerie, **Suzanne Amador Kane**, "Biomechanics of the peacock's display: how feather structure and resonance influence multimodal signaling," *PLOS One* 11(4), e0152759 (2016).
3. **Suzanne Amador Kane**, A. Harvey Fulton, Lee Rosenthal, "When hawks attack: animal-borne video studies of goshawk pursuit and prey evasion strategies", *The Journal of Experimental Biology*, **218**:212-222 (2015).
4. **Suzanne Amador Kane** and Marjon Zamani, "Falcons pursue prey using visual cues: new perspectives from animal-borne cameras," *The Journal of Experimental Biology* **217**, pp. 225-234 (2014). (Editors Choice article)
5. Anna Klales, James Duncan, Elizabeth Janus Nett and **Suzanne Amador Kane**, "Biophysical model of prokaryotic diversity in geothermal hot springs", *Phys. Rev. E* 85(2) 021911 (2012).
6. Daniel J. Rigotti, Bashkim Kokona, Theresa Horne, Eric K. Acton, Carl D. Lederman, Karl A. Johnson, Robert S. Manning, **Suzanne Amador Kane**, Walter F. Smith and Robert Fairman, "Quantitative atomic force microscopy image analysis of unusual filaments formed by the *Acanthamoeba castellanii* myosin II rod domain" *Analytical Biochemistry*, 346(2), 2005, pp. 189-200.
7. **S. Amador Kane**, "Quantitative chirality measures applied to domain formation in Langmuir monolayers", *Langmuir* **18**, 9853 (2002).
8. **S. Amador Kane** and S. D. Floyd, "Interaction of local anesthetics with phospholipids in Langmuir monolayers" *Phys. Rev. E*, **62**, 8400-8408 (2000).
9. **S. Amador Kane**, M.A.Compton, N.Wilder, "Interactions determining the growth of chiral domains in phospholipid monolayers: experimental results and comparison with theory" *Langmuir*, **16(22)**, 8447-8455 (2000).
10. **S.M. Amador**, J. M. Pachence, R. Fischetti, J. P. McCauley, Jr., A.B. Smith III, J.K. Blasie, "Use of self-assembled monolayers to covalently tether protein monolayers to the surface of solid substrates" *Langmuir*, **9**, 812 (1993).

11. S. Xu, M. A. Murphy, **S. M. Amador**, J. K. Blasie, "Proof of asymmetry in the Cd-arachidate bilayers of ultrathin Langmuir-Blodgett multilayer films via x-ray interferometry" *J. Phys. I (France)* **1**, 1131 (1991).
12. J.M.Pachence, **S.M. Amador**, G. Maniara, J. Vanderkooi, P.L. Dutton, J.K. Blasie, "Orientation and lateral mobility of cytochrome *c* on the surface of ultrathin lipid multilayer films", *Biophys. J.* **58**, 379 (1990).
13. **S.M. Amador**, J. M. Pachence, R. Fischetti, J. P. McCauley, Jr., A.B. Smith III, J.K.Blasie, "X-ray diffraction studies of protein monolayers bound to self-assembled monolayers" *Materials Research Society Symposium Proceedings, Vol. 177: Macromolecular Liquids*, eds. Cyrus R. Safinya, Samuel A. Safran, Philip A. Pincus, Materials Research Society, Pittsburgh, (1990). (peer-reviewed conference proceedings; parts of this work appear in article 8.)
14. **S.M. Amador**, P.S. Pershan, "Light-scattering and ellipsometry studies of the two-dimensional smectic-C to smectic-A transition in thin liquid crystal films", *Phys.Rev. A* **41**, 4326 (1990).
15. **S.M. Amador**, P.S. Pershan, H. Stragier, B.D.Swanson, D.J. Tweet, L.B. Sorensen, E.B. Sirota, G.E. Ice and A. Habenschuss "Synchrotron studies of the first-order melting transitions of hexatic monolayers and multilayers in freely suspended liquid crystal films", *Phys. Rev. A* **39**, 2703 (1989).
16. E.B. Sirota, P.S. Pershan, **S.M. Amador**, L.B. Sorensen "Synchrotron x-ray observation of surface smectic-I hexatic layers on smectic-C liquid crystal films", *Phys. Rev. A* **35**, 2283 (1987).

Submitted (student coauthors are underlined)

17. Michael F. Ochs, Marjon Zamani¹, Gustavo Maia Rodrigues Gomes², Raimundo Cardoso Neto², **Suzanne Amador Kane**, "Sneak peak: the statistics of saccadic gaze changes by hawks performing visual searches", (submitted).
18. Roslyn Dakin, Owen McCrossan³, James F. Hare, Robert Montgomerie and **Suzanne Amador Kane**, "Biomechanics of the peacock's courtship display: how feather structure facilitates multimodal signaling", (submitted).

Publications on pedagogy and related topics (peer-reviewed *)

1. Catherine H. Crouch, Robert Hilborn, **Suzanne Amador Kane**, Timothy McKay, and Mark Reeves, "Physics for future physicians and life scientists: a moment of opportunity", APS News (The Back Page editorial), **19(3)**, pg. 8, March 2010.
2. **Suzanne Amador Kane** and Kenneth Laws, "[Hunting for Jobs at Liberal Arts Colleges](#)" *Physics Today*, November 2006, pp.38-42.
3. **S. Amador Kane**, "Interdisciplinary faculty development seminars: a model for learning emerging technologies while developing interdisciplinary partnerships," *The Journal of Science Education and Technology*, **12(4)**, 421-430 (2003).*
4. **S. Amador Kane**, "An undergraduate biophysics program: curricular examples and lessons from a liberal arts context" *Am. J. Phys.* **70**, 581 (2002).*
5. **S.M. Amador**, "Teaching medical physics to general audiences" *Biophys. J.*, **66**, 2217 (1994)*

Books

S. Amador Kane, *Introduction to Physics in Modern Medicine*, textbook with problems, Taylor and Francis Publishers, Inc. London, UK, 1st edition 2003, 2nd edition 2009.

Book reviews

- *Physics of the Human Body* by Irving Herman, *Physics Today*, March 2008, pg. 58.
- *Quantum Mechanics: Classical Results, Modern Systems, and Visualized Examples*, Richard Robinett, *Physics Today*, July, 1997.
- *Quantum Mechanics: Fundamentals and Applications to Technology*, Jasprit Singh, *Physics Today*, July, 1997.

Invited Talks (since 2000; science pedagogy presentations noted by ‡)

2015	BFY II: Conference on Laboratory Instruction beyond the first year of college	Plenary talk‡
2014	BLS5: 5 th Biologging Science Symposium (Strasbourg France)	Talk & panel on videologging
2014	University of Illinois, Urbana-Champaign	Physics Colloquium
2013	Haverford College, Presidential Daniel Weiss Inauguration	Faculty research panel
2012	Temple University	Biology Colloquium & Science Education Lecture ‡
2012	Haverford College	Faculty Research talk
2011	American Physical Society March Meeting	Talk
2011	Princeton University	Collective behavior working group seminar
2011	Cornell University Bioacoustics Research Program	Seminar during bioacoustics workshop
2010	Kutztown University	Physics Colloquium
2010	American Association of Physicists in Medicine Annual Meeting	Talk ‡
2010	APS/AAPT April Meeting	Talk ‡
2010	Centre College	Colloquium ‡
2009	AAPT Advanced Lab Conference	Talk ‡
2008	Ithaca College	Physics Colloquium
2008	American Physical Society March Meeting	Talk (CSWP) ‡
2006	SACNAS National Conference	Talk
2006	University of Richmond	Physics Colloquium
2006	University of the Sciences	Science Colloquium
2006	Allegheny College	Science Colloquium
2006	Kalamazoo College	Physics Colloquium
2005	St. Joseph's University	Physics Colloquium
2003	Lafayette College	Physics Colloquium
2003	Council on Undergraduate Research	Panel discussion ‡
2002	Brown University	Physics Colloquium
2002	Bucknell University	Physics Colloquium
2002	Council on Undergraduate Research	Panel discussion ‡
2001	Villanova University	Physics Colloquium
2001	Colgate University	Physics Colloquium
2001	Williams College	Panel discussion ‡

Contributed Scientific Research Presentations (since 2000)

2016	Society for Integrative and Comparative Biology (two posters with students)
2015	Society for Integrative and Comparative Biology (talk)
2014	APS March Meeting (talk & poster with students)

- 2014 Society for Integrative and Comparative Biology (poster with student)
 2010 APS Marching Meeting (talk)
 2009 American Physical Society March Meeting (talk)
 2003 Biophysical Society Annual Meeting (poster with student)
 2002 American Physical Society March Meeting (poster with student)
 2002 Haverford Faculty Research Talk (panel discussion)
 2002 Haverford Natural Science Colloquium
 2000 Interface between Physics and Biology, University of Pennsylvania (poster with student)

Contributed Pedagogy & Related Presentations (since 2000)

- 2013 Panel discussion on careers in liberal arts colleges, University of Pennsylvania Physics & Astronomy
 2012 NEXUS-HHMI workshop: introductory physics for life sciences, University of Maryland (talk)
 2011 Northeast Consortium on Medical Education (NECOME) panel discussion, Haverford College, September 23, 2011.
 2009 AAPT Summer Meeting (poster)
 2007 Mellon Foundation Symposium on Teaching Introductory Physics, Swarthmore College (talk)
 2007 Swarthmore/Mellon Physics Conference on Life Sciences (talk)
 2006 AAPT Meeting (poster with student)
 2006 Math Science Partnership of Greater Philadelphia Annual Meeting (talk)
 2005 AAPT Meeting (talk)
 2003 Council on Undergraduate Research (poster)
 2002 Tricollege Science Teaching symposium, Bryn Mawr College (talk)
 2001 Tricollege Science Teaching symposium, Bryn Mawr College (talk)
 2000 AAC&U Rethinking Science Literacy Conference, Charleston, SC (poster with K. Edwards)

Grants I have received regular support from Haverford's Faculty Research Fund, the Faculty Support Fund and the Haverford Teaching with Technology Fund.

- 3/2013-2/2015 Marion E. Koshland Integrated Natural Sciences Special Projects Award (\$34,000)
 2009 National Science Foundation grant: support for the Conference on Scientific Foundations of Future Physicians: How do physics departments respond?, Washington DC, October 24, 2009.
 10/03-10/08 National Science Foundation Math Science Partnerships of Greater Philadelphia (MSPGP)
 Participant in educational activities in a multi-institution grant program (\$1.5M)
 09/04-01/05 Andrew J. Mellon Foundation New Directions Fellowship
 7/00-6/05 Packard Corporation, "Protein-based biomaterials for nanotechnology", Co-PI (\$966,020)
 7/00-6/02 NSF "RUI: Advanced microscopy and manipulation cluster for biological and biophysical studies", Co-PI (\$169,271)
 1/99-12/00 Zimmer Corporation, "Interdisciplinary studies of structure and reactivity of proteins", Co-PI (\$100,000)
 1/94-6/98 NSF Course and Curriculum Development Grant (\$36,860)
 1/95-12/95 Zimmer Corporation, Imaging in Modern Science, Co-PI (\$200,000)
 6/91-6/93 Research Corporation Cottrell Science Grant, PI (\$20,000)
 6/91-6/93 Petroleum Research Fund Starter-G grant, PI (\$18,000)
 6/91-6/93 NSF Research Planning Grant, PI (\$21,700)

I have been involved in writing three of Haverford's grants from the Howard Hughes Medical Institute (all funded) and substantially involved in all of those grants and the related activities.

Press Coverage

- Our 2015 *JEB* paper, “When hawks attack: animal-borne video studies of goshawk pursuit and prey evasion strategies” was profiled in *Inside JEB*, *Los Angeles Times*, *The Inquirer*, *The New York Times*, *BBC’s Inside Science* and many other international media articles. The video abstract posted at JEB’s Youtube channel has received ~ 130K views.
- Our 2014 *JEB* paper, “Falcons pursue prey using visual cues: new perspectives from animal-borne cameras” was profiled in *Inside JEB* and widely covered in the US and international media. The associated video at JEB’s Youtube channel received over 2.6 million views.
- Our American Physical Society March Meeting 2010 talk on mobbing and flocking was covered in an article, “Birds of a Feather Attack Together” www.physorg.com/news192206159.html that was carried widely in the US media.

Professional service & teaching related activities not mentioned above (since 2000)

- Refereeing for several journals, including *Current Biology*, *American Journal of Physics*, American Chemical Society journals, *CBE--Life Sciences Education* and others.
- Reviewing grants for the National Science Foundation, Petroleum Research Fund of the American Chemical Society and the Anniversary Junior Scientist Fellowship Program (JSFP) of the U.S. Civilian Research and Development Foundation (CRDF).
- Reviewing book manuscripts for major publishers.
- Administering IPLS (introductory Physics for Life Sciences) email list server for the American Association of Physics Teachers.

- 2015 Research and science careers talk for students at Hilltop Preparatory School (a local grade 6-12 school for students with learning disabilities)
- 2011 Research talk for Harriton High School International Baccalaureate students in the Theory of Knowledge course.
- 2009- Coordination of the physics community response to the AAMC-HHMI report “Scientific Foundations for Future Physicians”
- 2009 Co-organizer, Conference on Physics in Undergraduate Quantitative Life Science Education, Washington DC, October 24, 2009.
- 2004-2008 Member, American Journal of Physics Resource Letters Editorial Board
- 2006 Haverford Summer Science Institute (forerunner of Chesick Scholars) (instructor)
- 2004 NSF Math-Science Partnership Bi-College faculty seminar on New Pedagogies in Math and Science Education
- 2003 Physics of Medical Technology workshop for high school teachers & students (HHMI sponsored Cascade Mentoring workshop, Haverford College)
- 2002 HHMI-funded faculty development workshop in Bioinformatics (Haverford College)
- 2002 Tricollege Multicultural Winter Institute, Swarthmore College, Swarthmore, PA. (intensive four-day workshop focused on issues of race, ethnicity, socio-economic class, gender, religion and sexual orientation.)
- 2001 HHMI-funded faculty development workshop on Computing Across the Sciences
- 2001 Women In Science: Opportunity in a Changing Landscape, Bryn Mawr College
- 2001 Building Bridges: Introductory Science Education, Bryn Mawr College

Physics Department External Review Committees

- Bucknell University 2013
- College of the Holy Cross 2012
- University of Richmond 2009
- Colorado College 2008

College service (partial listing since 2000)

- 2015-2016: (on leave fall semester) Chair, Biochemistry & Biophysics Concentration

- 2014-2015: Presenter, personnel case to Academic Council; chair, Biochemistry & Biophysics Concentration
- 2013-2014: Faculty Representative to the Board of Managers, Faculty Affairs and Policy Committee, Biochemistry & Biophysics Concentration Coordinating Committee, Physics Search Committee
- 2012-2013: Faculty Representative to the Board of Managers, Faculty Affairs and Policy Committee
- 2011-2012: (on leave fall semester): Presenter, personnel case to Academic Council
- 2010-2011: Academic Council (personnel and tenure committee), Natural Science Divisional representative
- 2009-2010: Academic Council, Natural Science Divisional representative
- 2008-2009: Academic Council, Natural Science Divisional representative, Fine Arts sculpture faculty search committee
- 2007-2008 (on leave spring semester): Director, KINSC, KINSC Steering Committee, HHMI Steering Committee, HHMI grant writing committee; ran the HHMI Faculty Development Seminar on Imaging in Science fall semester
- 2006-2007: Director, KINSC, KINSC Steering Committee, Bryn Mawr Physics Search Committee, Chair, Departments of Physics and Astronomy Member, HHMI Committee, Chair, Art Exhibitions and Outreach Committee, Berman Sculpture Committee, Arts Council, Biochemistry and Biophysics Concentration Coordinating Committee, Premed Committee
- 2005-2006: Director, KINSC, KINSC Steering Committee, HHMI Steering Committee, Chair, Departments of Physics and Astronomy, Chair, Biochemistry and Biophysics, Physics Search Committee
- 2004-2005 (on leave fall semester—Mellon New Directions Fellowship): Chair, Physics and Astronomy Departments, Biochemistry and Biophysics Concentration Coordinating Committee
- 2003-2004: Chair, Physics and Astronomy Departments, Biochemistry and Biophysics Concentration Coordinating Committee, KINSC Steering Committee, Associate Provost Search Committee (with Israel Burshatyn and Linda Bell), Premedical Committee
- 2002-03: Chair, Physics and Astronomy Departments, Chair, Biochemistry and Biophysics Concentration, Premedical Committee, KINSC Steering Committee, Scientific Computing group
- 2001-2002: (on leave) Biochemistry and Biophysics Concentration Coordinating Committee, BiCo Education Committee, Pre-Med Committee
- 2000-2001: Chair, Committee on Student Standing and Programs, Teacher Education BiCo Committee

Courses taught (since 2000)

1. Introductory Physics Laboratory (all sections) (2001, 2012, 2013, 2015)
2. Physics 101: Classical & Modern Physics I (2001, 2002, 2010)
3. Physics 102: Classical and Modern Physics II (2010, 2011, 2012)
4. Physics 105: Fundamental Physics I (2005, 2006, 2009)
5. Physics 108b: Introduction to Physics in Modern Medicine (2002, 2005)
6. Physics 115: Modern Introductory Physics (2012)
7. Physics 211: Laboratory in Electronics, Waves & Optics (2008, 2009, 2013, 2014)
8. Physics 214: Introduction to Quantum Mechanics (2003, 2004, 2005, 2012, 2013, 2014)
9. Physics 301 (formerly 212): Laboratory in Quantum Physics (2004, 2005, 2007, 2009, 2010, 2013, 2014,)
10. Physics 302: Advanced Quantum Mechanics (2015)
11. Physics 303: Statistical Physics (2013)
12. Physics 320: Intro Biophysics (2001, 2002, 2004, 2007)
13. Physics 316: Advanced Electronics and Computer Instrumentation (2007)

14. Physics 322: Solid State Physics (team-taught 2012)
15. Physics 326a: Advanced Physics Laboratory (2004, 2006)
16. Physics 399: Senior Seminar (2000-2001, 2004-2005, 2005-2006, 2006-2007, 2008-2009, 2009-2010, 2010-2011, 2012-2013, 2014-2015)
17. Physics 413: Biological Physics Research (every year)
18. Physics 460a: Association in Teaching Basic Physics (2002)

Undergraduate research students mentored

1. Edward Bartlett (Physics/Biophysics '92) PhD, Neuroscience, University of Wisconsin-Madison Assistant Professor of Biomedical Engineering
2. Kathryn Long (Physics/Biophysics '92) UC Davis veterinary school
3. Raul Cuza (Swarthmore Physics '92) technology integrator, systems specialist and middle school teacher and advisor at Brooklyn Friends School
4. Todd Edwards (Physics/Biophysics '93) PhD Bioengineering U. Washington, postdoc, Lawrence Livermore National Laboratory faculty, Whitman College, proteomic industry consulting
5. Mohammed Safdar (Physics '93) Lecturer in Finance, Simon School of Business, U. Rochester
6. Todd Kerner (Physics/Biophysics '94) MD/PhD Dartmouth; physician in Dublin, Ohio
7. Nicholas Wilder (Physics/Biophysics '94) MS bioengineering, internet entrepreneur
8. Samuel E. Floyd (Biology '98) PhD program, philosophy of science, U. Pittsburgh
9. Madison Compton (Physics '99) high school teaching; product engineer, Voxel, Inc.
10. Emiliano Jose Salatino: working in Mexico
11. Anders Liljeholm (Physics '99) science educator, Oregon Museum of Science and Industry
12. Benjamin North (Physics/Biophysics '99) PhD biophysics, U. Penn.; researcher at Fox Chase Cancer Center
13. Howard Glasser (Physics '00; summer research on science pedagogy) PhD science education, science education postdoc at Bryn Mawr College
14. Troy Sheaffer (Physics '00) working in industry
15. Joshua Adelman (Biology/Biophysics '01) PhD Biophysics, UC Berkeley, postdoc, U. Pittsburgh
16. Aaron Clauset (Physics/Computer Science '01) PhD Computer Science, U. New Mexico, CS faculty, University of Colorado, Boulder
17. Peter Ingebretson (Physics '01) Electronic Arts (computer gaming industry)
18. Adam Ingram-Goble (Physics '01) Consultant, Education and Systems Design at One Planet Education Network, LLC (OPEN), Graduate Assistant/PhD Candidate Learning Sciences at Indiana University
19. Carl Knutson (Physics '02 ; advised off-campus senior research project at Columbia) PhD program, physics, U. Texas Austin
20. Mark Lee (Physics/Biophysics '02) Post-bac program, Drexel; research assistant, U. Penn. Immunology
21. James Duncan (Physics '03) M.S. Geography, Oregon State; consultant position with the World Bank working on mapping extractive industry impacts for better transparency and accountability in Ghana
22. Theresa Horne Dazey (Physics '03) teaching in China, PhD program, Indiana University Middle Eastern history
23. Thida Aye (Bryn Mawr Physics Honors Thesis '04) MS, Oxford, MS MIT Sloan School
24. Elizabeth Janus Nett (Physics '04) Ph.D. program, U. Wisconsin, Medical Physics
25. Adolphe Alexander (Physics '05) M.S. Mechanical Engineering, Lehigh University, engineering consultant
26. Eric Acton (Linguistics '05) Linguistics PhD program, Stanford
27. Carl Lederman (Math '05) UCLA Math PhD
28. William Moss (Physics '05; advised off-campus senior research project at Harvard) Microsoft Corp.
29. Lindsay Subers (Physics '06) Bioengineering MS, Drexel

30. Justin Cantley (Physics '06; summer research on science pedagogy) PhD program, Medical Physics, University of Florida; health physicist work in industry
31. David Burkhardt (Physics '07) UCSF Biophysics PhD program
32. Anna Kiales (Physics '09) PhD physics program, Harvard University
33. Ella Willard-Schmoe (Physics '09; advised off-campus research project at U. Washington) M.S. program in energy engineering, U. Mass. Lowell
34. M. Elias Tousley (Physics '11) Crestone Acoustical Solutions in acoustic engineering
35. Owen Glaze (Lower Merion High School senior; summer research student) biochemistry B.S. program, Penn State
36. Anna Schall (Physics '12) University of Minnesota Earth Sciences '12 research associate, project manager Connor Solutions, working at Friends Central School
37. Emily Cunningham (Physics '12) Astrophysics PhD program, University of Chicago
38. Andrew Golato (Physics '12; co-advised research project with Jerry Gollub) Villanova University PhD Program in Mechanical Engineering
39. Emma Oxford (Physics '13) Library and Information Sciences graduate school, University of Pittsburgh; working at librarian
40. Marjon Zamani (Physics '13) National Institutes of Health Postbaccalaureate Intramural Research Training Award (research internship at NIH) working at Harvard University Wyss Institute of Bioengineering; bioengineering PhD program
41. Alyssa Mayo (Physics '13) Research Associate at University of Pennsylvania Medical School; medical school
42. Alan Herrera-Flores ('15, work-study developing image processing python code)
43. Eleanor Tecosky-Feldman (postbac research intern) Drexel University Library and Information Sciences graduate school
44. Andrew Fulton (Physics & Biophysics '14) working in industry
45. Elliot Schwartz (Physics & Engineering'14) University of Pennsylvania M.S. Engineering program
46. Megan Holt (Physics & Education'14) Technical University of Denmark MSc in Transport and Logistics Engineering program
47. Philip Drexler (Physics '14, co-advised off-campus research project at University of Pennsylvania with Paulo Arratia) 3/2 MS program in Engineering, University of Pennsylvania.
48. Lee Rosenthal (Physics & Astronomy'15) astrophysics PhD program, Caltech
49. Alexandre Leibler (Computer Science '15, independent study in 3D fabrication)
50. Samuel Yarosh (Physics/Engineering 3/2 program '16)
51. Nathan Gould (Physics '15)
52. Carolyn Oehrig (Astrophysics '15) Virginia Tech Veterinary school
53. Paul Mundell (Physics/Engineering 3/2 program '16)
54. Owen McCrossan (Drexel Physics '17)
55. Stephen Stein (Physics & Biophysics '16)
56. Allison Martin (Physics/Prehealth '16)
57. Carolyn Gee (Physics '16)
58. Yabin Lu (Physics '17)