Curriculum Vitae

Daniel B. Larremore

daniel.larremore@colorado.edu

Contact	Information	
Contact	IIIIOIIIIauoii	

BioFrontiers Institute 3415 Colorado Ave. Boulder, CO 80303, USA +1-303-735-8757

Website: LarremoreLab.github.io

Twitter: <u>@danlarremore</u> Google Scholar: here Github: @DBLarremore

Education

University of Colorado Boulder, Department of Applied Mathematics

Ph.D in Applied Mathematics. Advisor: Juan G. Restrepo "Critical Dynamics in Complex Excitable Networks"

University of Colorado Boulder, Department of Applied Mathematics

M.S. in Applied Mathematics

Washington University in St. Louis, School of Engineering and Applied Science B.S. in Chemical Engineering, cum laude

Academic Positions

University of Colorado

Assistant Professor, BioFrontiers Institute Assistant Professor, Computer Science Affiliate Faculty, Applied Mathematics

Santa Fe Institute

Omidyar Fellow

Harvard School of Public Health, Center for Communicable Disease Dynamics Postdoctoral Fellow with Caroline Buckee (HSPH) and Aaron Clauset (Colorado)

University of Colorado

Research Assistant with advisor Juan G. Restrepo (Colorado)

Research Assistant and Mentor, MCTP Program - NSF DMS-060228

Boulder, CO

2012

2009

2005

2017 - Present 2017 - Present

2020 - Present

Santa Fe, NM 2015 - 2017

Boston, MA

2012 - 2015

Boulder, CO 2009 - 2012

June 2010 - May 2011

Industry Experience___

Gambro Blood Component Technologies

Research and Development Engineer Engineering Intern II Engineering Intern I

Lakewood, CO 2005 - 2007

Summer 2005 Summer 2004

- N. Obeng-Adjei*, D. B. Larremore*, L. Turner, A. Ongoiba, S. Li, S. Doumbo, T. B. Yazew, O. K. Doumbo, K. Kayentao, L. H. Miller, B. Traore, S. K. Pierce, C. O. Buckee, T. Lavstsen, P. D. Crompton, T. M. Tran, "Longitudinal analysis of naturally acquired antibodies to PfEMP1 CIDR domain variants and their association with malaria protection." *ICI Insight*, 5(12) e137262 (2020).
- 2. † A. Berdahl*, C. Brelsford*, C. De Bacco*, M. Dumas*, V. Ferdinand*, J. A. Grochow*, L. Hébert-Dufresne*, Y. Kallus*, C. P. Kempes*, A. Kolchinsky*, **D. B. Larremore***, E. Libby*, E. A. Power*, C. A. Stern*, B. D. Tracey*. "Dynamics of beneficial epidemics." *Nature Scientific Reports* 9 (15093), (2019). [link]
- 3. K. H. Wapman, **D. B. Larremore**. "webweb: a tool for creating, displaying, and sharing interactive network visualizations on the web." *Journal of Open Source Software* 4(40), 1458 (2019).
- 4. S. F. Way, A. C. Morgan, **D. B. Larremore***, A. Clauset*, "Productivity, prominence, and the effects of academic environment." *Proceedings of the National Academy of Sciences, USA* 116(18) (2019).
- 5. **D. B. Larremore**. "Bayes-optimal estimation of overlap between populations of fixed size." *PLOS Computational Biology* 15(3): e1006898. (2019).
- 6. V. Agrawal, A. B. Cowley, W. L. Shew, **D. B. Larremore**, J. G. Restrepo, Q. Alfaori. "Robust information capacity requires strong and balanced excitatory and inhibitory synapses." *Chaos* 28 103115 (2018). [link]
- 7. C. De Bacco*, **D. B. Larremore***, C. Moore. "A physical model for efficient ranking in networks." *Science Advances* 4(7) eaar8260 (2018). [link]
- 8. † Bailey K. Fosdick*, **D. B. Larremore***, Joel Nishimura*, Johan Ugander*. "Configuring random graph models with fixed degree sequences." *SLAM Review, 60* (2) 315-355. (2018). [link]
- 9. S. F. Way, A. C. Morgan, A. Clauset*, **D. B. Larremore***. "The misleading narrative of the canonical faculty productivity trajectory." *Proceedings of the National Academy of Sciences, USA* 114 (44) E9216-E9223 (2017). [link] [Also accepted at *ICWSM* 2017, social science track (non-archival).]
- 10. L. Peel*, **D. B. Larremore***, A. Clauset. "The ground truth about metadata and community detection in networks." *Science Advances* **3**(5) e1602548 (2017).
- 11. C. De Bacco, E. A. Power, **D. B. Larremore**, C. Moore. "Community detection, link prediction, and layer interdependence in multilayer networks." *Physical Review E* **95** 042317 (2017).
- 12. S. F. Way, **D. B. Larremore**, A. Clauset. "Gender, Productivity, and Prestige in Computer Science Faculty Hiring Networks." *Proceedings of the 2016 World Wide Web Conference (WWW)* 1169-1179, (2016).
- 13. **D. B. Larremore**, S. A. Sundararaman, W. Liu, W. R. Proto, A. Clauset, D. E. Loy, S. Speede, L. J. Plenderleith, P. M. Sharp, B. H. Hahn, J. C. Rayner*, and C. O. Buckee*. "Ape parasite origins of human malaria virulence genes." *Nature Communications*, **6**, 8368 (2015).
- 14. A. Clauset, S. Arbesman, **D. B. Larremore**, "Systematic inequality and hierarchy in faculty hiring networks." *Science Advances*, **1**, e1400005 (2015).
- 15. A. K. Bei, A. Diouf, K. Miura, **D. B. Larremore**, U. Ribacke, G. Tullo, E. L. Moss, D. E. Neafsey, R. F. Daniels, A. E. Zeituni, I. Nosamiefan, S. K. Volkman, A. D. Ahouidi, D. Ndiaye, T. Dieye, S. Mboup, C. O. Buckee, C. Long, and D. F. Wirth., "Immune characterization of *P. falciparum* parasites with a shared genetic signature in a region of decreasing transmission." *Infection and Immunity*, **83**(1), 276 (2014).
- 16. **D. B. Larremore,** A. Clauset, and A. Z. Jacobs, "Efficiently inferring community structure in bipartite networks." *Physical Review E*, **90**(1), 012805 (2014).
- 17. **D. B. Larremore**, W. L. Shew, E. Ott, F. Sorrentino, and J. G. Restrepo, "Inhibition causes ceaseless dynamics in networks of excitable nodes" *Physical Review Letters*, **112**, 138103 (2014).
- 18. **D. B. Larremore**, A. Clauset, and C. O. Buckee, "A network approach to analyzing highly recombinant malaria parasite genes." *PLOS Computational Biology* **9**(10) e1003268 (2013).
- 19. **D. B. Larremore*** and D. Taylor*, "Social Climber attachment in forming networks produces phase transition in a measure of connectivity." *Physical Review E* **86** 031140 (2012).
- 20. **D. B. Larremore**, M. Y. Carpenter, E. Ott, and J. G. Restrepo, "Statistical properties of avalanches in networks." *Physical Review E* **85**, 066131 (2012).
- D. B. Larremore, W. L. Shew, E. Ott, and J. G. Restrepo, "Effects of network topology, transmission delays, and refractoriness on the response of coupled excitable systems to a stochastic stimulus." *Chaos* 21, 025117 (2011).

22. **D. B. Larremore**, W. L. Shew, J. G. Restrepo, "Predicting criticality and dynamic range in complex networks: effects of topology." *Physical Review Letters* **106**, 058101 (2011).

*equal contribution † alphabetical author order

Submitted or In-Press Publications_

- 23. A. Patania, B. McShane, B. Falk, **D. B. Larremore**, E. McDonnell Feit, E. Bruch, F. Feinberg, J. Helveston, M. Small, M. Braun, N. Fefferman, Choice Symposium Working Paper. *Submitted* (2019).
- 24. A. K. Bei, **D. B. Larremore**, K. Miura, A. Diouf, N. K. Baro, R. F. Daniels, A. Griggs, E. L. Moss, D. E. Neafsey, A. B. Deme, M. Sy, S. Schaffner, A. D. Ahouidi, D. Ndiaye, T. Dieye, S. Mboup, C. O. Buckee, S. K. Volkman, C. A. Long, D. F. Wirth, "Plasmodium falciparum population genetic complexity influences expression dynamics and immune recognition among highly related genotypic clusters." *Submitted* (2020).
- 25. K. Finlinson, W. L. Shew, **D. B. Larremore**, J. G. Restrepo. Control of excitable systems is optimal near criticality. *Submitted* (2019).
- 26. T.-C. Yen, **D. B. Larremore**. Community Detection in Bipartite Networks with Stochastic Blockmodels. *Submitted* (2020).
- D. B. Larremore,* K. Joseph*, A. Hannak*, A. Cimpian*, "Explaining Gender Differences in Academics' Career Trajectories." Submitted (2020).
- 28. **D. B. Larremore**, B. K. Fosdick, K. M. Bubar, S. Zhang, S. M. Kissler, C. J. E. Metcalf, C. O. Buckee, Y. H. Grad. "Estimating SARS-CoV-2 seroprevalence and epidemiological parameters with uncertainty from serological surveys." *Submitted* (2020).
- 29. **D. B. Larremore**, K. M. Bubar, Y. H. Grad. "Implications of test characteristics and population seroprevalence on 'immune passport' strategies." *Submitted* (2020).
- S. M. Kissler*, N. Kishore*, M. Prabhu*, D. Goffman*, Y. Beilin*, R. Landau, C. Gyamfi-Bannerman, B. T. Bateman, D. Katz, J. Gal, A. Bianco, J. Stone, **D. B. Larremore**, C. O. Buckee, Y. H. Grad. "Reductions in commuting mobility predict geographic differences in SARS-CoV-2 prevalence in New York City." *Submitted* (2020).
- 31. A. C. Morgan, S. F. Way, M. J. D. Hoefer, **D. B. Larremor**e, M. Galesic, A. Clauset. "The unequal impact of parenthood in academia." *Submitted* (2020).
- 32. **D. B. Larremore**, B. Wilder, E. Lester, S. Shehata, J. M. Burke, J. A. Hay, M. Tambe, M. J. Mina, R. Parker. "Test sensitivity is secondary to frequency and turnaround time for COVID-19 surveillance." *Submitted* (2020).
- 33. S. Ruybal-Pesántez, F. E. Sáenz, S. Deed, E. K. Johnson, **D. B. Larremore**, C. A. Vera-Arias, K. E. Tiedje, K. P. Day. "Evolution of Plasmodium falciparum var repertoires by sexual recombination sustains disease transmission after an outbreak in Ecuador" *Submitted* (2020).

Perspectives, Essays, and Other Publications

- 1. **D. B. Larremore**, A. C. Morgan, A. Clauset. "More Inclusive Scholarship Begins With Active Experimentation." *The Chronicle of Higher Education*, 1 November, 2017. [invited letter] [link]
- 2. **D. B. Larremore**, A. Clauset. "Why predicting the future is more than just horseplay." *The Christian Science Monitor*, 24 April, 2017. [contributed essay] [link]
- 3. A. Clauset, **D. B. Larremore**, R. Sinatra. "Data-driven predictions in the science of science." *Science* **355**, 477-480 (2017). [invited perspective piece]
- 4. D. E. Geer Jr. and **D. B. Larremore**, "Progress is Infectious." *IEEE Security & Privacy* **10**(6) p. 94-95 (2012). [monthly column of D. E. Geer Jr.]

^{*} equal contribution † alphabetical author order

† A. Berdahl*, U. Bhat*, V. Ferdinand*, J. Garland*, K. Ghazi-Zahedi*, J. Grana*, J. A.Grochow*, E. Hobson*, Y. Kallus*, C. P. Kempes*, A. Kolchinsky*, **D. B. Larremore***, E. Libby*, E. A. Power*, B. D. Tracey*. "On the records." (2017) Available <u>here</u> via arXiv.org.

Book Chapters

- 1. L. M. Childs, **D. B. Larremore**, "Network models for malaria: antigens, dynamics, and evolution over space and time." *Systems Medicine: Integrative Qualitative and Computational Approaches.* Elsevier (2020).
- 2. **D. B. Larremore**, W. L. Shew, J. G. Restrepo, "Critical Dynamics in Complex Networks" *Criticality in Neural Systems*. Ed. Dietmar Plenz & Ernst Niebur. NY: Wiley, 365-392, (2014).

Funding_

"Mapping the Structure and Dynamics of the Scientific Ecosystem."

2019-2022

PI, with Aaron Clauset (co-I; Colorado), and Mirta Galesic and Jennifer Dunne (co-Is, Santa Fe Institute) 19RT0301. DoD Minerva, \$2,568,889.

"Academic hiring networks and scientific productivity across disciplines."

2016-2020

PI, with Mirta Galesic (co-PI; Santa Fe Institute) and Aaron Clauset (PI; Colorado) SMA 1633747. NSF SBE, \$550,000.

"Models of Infections Disease Agents Study Center for Communicable Disease Dynamics"

Consultant, with Marc Lipsitch (PI; Harvard School of Public Health).

U54 GM088558. NIH NIGMS, \$11,279,771

2015-2019

"Network Assortativity" collaboration grant

Proposer, with Bailey Fosdick (Colorado State), Joel Nishimura (Arizona State), and

Johan Ugander (Microsoft Research)

Amer. Mathematical Soc. (AMS) Mathematical Research Communities, \$2,250

2014

Invited Talks

• "Complex networks and *P. falciparum*: from evolution to epidemiology"

Computational BioSciences Seminar, University of Colorado Medical School, Aurora, CO. Mar 9, 2020

• "Complex networks and P. falciparum: from evolution to epidemiology"

Applied Math & Statistics Colloquium, Colorado School of Mines, Golden, CO. Nov 8, 2019

• "Complex networks and *P. falciparum*: from evolution to epidemiology"

Infectious Disease Epidemiology Seminar Series, Harvard Sch. Pub. Health, Boston, MA. May 9, 2019

• "Which community detection method is best?"

Analysis and Interpretation of Connectomes, HHMI Janelia, Ashburn, VA. May 22, 2018

• "A physical model for efficient ranking in networks."

Applied Math Seminar, UNC Chapel Hill, Chapel Hill, NC. Apr 11, 2018

• "A physical model for efficient ranking in networks."

Duke Network Analysis Center seminar, *Duke University*, Durham, NC. Apr 10, 2018

• "Gender, prestige, and productivity in academic hiring networks and career trajectories."

Annenberg School of Communication, University of Pennsylvania, Philadelphia, PA. Feb 13, 2018

• "Large-scale structures in networks: hidden communities and latent hierarchies."

Network Science School, NetSciX, Hangzhou, China. Jan 5, 2018

• "The assembly of prestige and status in networks."

Omidyar Network Applied Complexity Meeting, Santa Fe Institute, Santa Fe, NM. Dec 12, 2017

^{*} equal contribution

[†] alphabetical author order

(A 1 ' 1 11C CC' - 1' ' - 1 2	
"A physical model for efficient ranking in networks."	37 45 0045
Physics Colloquium, U Arkansas, Fayetteville.	Nov 17, 2017
 "A physical model for efficient ranking in networks." 	
Center for the Study of Complex Systems Seminar, U Michigan.	Nov 9, 2017
 "Gender, prestige, and productivity in academic hiring networks and career tra 	njectories."
NSF-FAST: Machine Learning for Discovery Science, Yerevan, Armenia.	Oct 20, 2017
• "Gender, prestige, and productivity in academic hiring networks and career tra	ajectories."
Workshop on Gendered Creative Teams, Central European Univ., Budapest, Hung	ary May 25, 2017
"Gender, prestige, and productivity in academic hiring networks and career tra	
Seminar, Berkeley Institute for Data Science, UC Berkeley, Berkeley, CA	Mar 17, 2017
"The assembly of prestige and status in networks."	,
Influence, Complexity and Networks, <i>Dialog Group</i> , Austin, TX	Feb 23, 2017
"The ground truth about metadata and community detection in networks."	105 25, 2517
Networks Seminar, <i>University of Houston</i> , Houston, TX	Oct 28, 2016
	Oct 26, 2010
• "Networks and the evolution of malaria's virulence in humans and apes."	H D 7 2015
Network Frontiers Workshop, Northwestern Univ. Inst. of Complex Systems, Evansto	
"Networks in two acts: faculty hiring hierarchies and malaria's evolving viruler	
Arts & Sciences Seminar, Clarkson University, Potsdam, NY	Nov 13, 2015
 "Networks and the evolution of malaria's virulence in humans and apes." 	
Mathematics Colloquium, Clarkson University, Potsdam, NY	Nov 12, 2015
 "Networks, inference, and the evolution of malaria's virulence in humans and 	
Mechanical Engr. Seminar, University of New Mexico, Albuquerque, NM	Nov 6, 2015
 "Complex networks, rapid genetic recombination, and tricky malaria antigens." 	,,
Mathematics Colloquium, Western New England University	Nov 7, 2014
 "Efficiently inferring community structure in bipartite networks." 	
Seminar at Network Science and Graph Algorithms Program, ICERM, Brown Un	niversity Mar 4, 2014
	-
Other Invited Talks and Presentations (unsupported)	
`	
 "SARS-CoV-2 Seroprevalence Estimation, Study Design, and Modeling" 	
BioStatistics Seminar, University of Colorado Medical School, Aurora, CO.	June 17, 2020
"Explaining Gender Differences in Academics' Career Trajectories"	g
Webinar, Computational Social Science Society of the Americas	May 6, 2020
"How do Infectious Disease Models Work?"	11ay 0, 2020
Collabeeration, BioFrontiers Institute, <i>University of Colorado Boulder</i> , Boulder, CO	April 1, 2020
"Complex networks, math, and malaria: from evolution to epidemiology"	Apin 1, 2020
	January 17, 2010
Applied Math Colloquium, <i>University of Colorado Boulder</i> , Boulder, CO	January 17, 2019
Panelist: "Development of Trustworthy AI" Mail For Article McGUP of Sign Trust Parel 1 (CO) Panelist: "Development of Trustworthy AI" Mail For Article McGUP of Sign Trust Panel 1 (CO) Panelist: "Development of Trustworthy AI" Mail For Article McGUP of Sign Trust Panel 1 (CO) Panelist: "Development of Trustworthy AI" Mail For Article McGUP of Sign Trustworthy AI Panelist: "Development of Trustworthy AI" Panelist: "Development of Trustwort	0 1 0 2010
Mozilla Foundation & CU Data Science Team, Boulder, CO	October 8, 2019
Paper Unwind: "The misleading narrative of the canonical faculty productivity	•
CompleNet, Boston, MA	March 4, 2018
 "Estimating the entropy of activity in excitable networks" 	
Special Session: Emergent Phenomena in Discrete Models,	
Joint Mathematics Meeting, San Diego, CA	Jan 12, 2018
 "A physical model for efficient ranking in networks" 	
Special Session: Network Science,	
Joint Mathematics Meeting, San Diego, CA	Jan 12, 2018

• "The ground truth about metadata and community detection in networks" Special Session: Theory, Practice, and Applications of Graph Clustering,

• "Gender, prestige, and productivity in faculty hiring networks."

Dynamics of/on Complex Networks Satellite Symp., NetSci 2017, Indianapolis, IN

Joint Mathematics Meeting, San Diego, CA

• "The dynamics of beneficial epidemics."

Jan 11, 2018

June 20, 2017

Quantifying Success Satellite Symposium, NetSci 2016, Seoul, Korea June 1, 2016

• "A complex networks approach to malaria's genetic recombination dynamics."

Minisymposium, SIAM Conf. on Applications of Dynamical Systems (DS15), Snowbird, UT May 15, 2015

• "Using networks to analyze rapid genetic recombination in malaria parasites."

Dynamics & Complex Systems Seminar, Applied Math, University of Colorado Boulder April 9, 2015

• "Ceaseless critical dynamics in excitable networks with inhibitory nodes."

Information, Self-Organizing Dynamics, and Synchronization on Complex Networks,

(ISODS) Satellite Symposium, NetSci 2014, Berkeley, CA

June 3, 2014

• "Critical dynamics in balanced excitable networks: neuronal avalanches, dynamic range, and ceaseless activity."

Dynamics & Complex Systems Seminar, Applied Math, University of Colorado Boulder Feb 28, 2013

• "Critical dynamics in balanced excitable networks: neuronal avalanches, dynamic range, and ceaseless activity." Seminar, Center for Complex Network Research, Northeastern University Feb 5, 2013

• "Predicting criticality and dynamic range in complex networks: effects of topology."

Minisymposium, SIAM Conf. on Applications of Dynamical Systems (DS11), Snowbird, UT May 23, 2011

Contributed or Submitted Talks and Presentations_____

• Int'l Conf. on Computational So	ocial Science (IC2S2), University of Amsterdam	July 19, 2019
SIAM Network Science (SIAM)	NS19), Snowbird, UT	May 23, 2019
• BioFrontiers Institute Advisory	Board – Boulder, CO	April 17, 2019
• ASTMH Annual Meeting – post	er, New Orleans, LA	October 31, 2018
• d3.js Boulder Meetup, Boulder, C		August 30, 2018
	ocial Science (IC2S2), Northwestern University	July 14, 2018
• NetSci, Paris, France	, ,	June 15, 2018
Genetic Epidemiology of Malar	ia – poster [best poster award], Sanger Institute, UK	June 13, 2018
	nstitute at Northeastern University, Boston, MA.	March 5, 2018
• Dynamical Systems Seminar, CU	Boulder, Boulder, CO.	Nov 2, 2017
StatOptML Seminar, CU Boulde		Sept 12, 2017
 NetSci, Indianapolis, IN. 		June 21, 2017
Complex Systems Summer Scho	ol, Santa Fe Institute, Santa Fe, NM.	June 14, 2017
 YConf, YCombinator Research, 	San Francisco, CA.	June 10, 2017
• Santa Fe Science Writers' Works	hop, Santa Fe Institute, Santa Fe, NM.	May 2, 2017
• Outside In seminar, Santa Fe Ins	stitute, Santa Fe, NM.	October 19, 2016
Conference on Complex System	s (CCS), Amsterdam, NL	September 22, 2016
SIAM Network Science (SIAM)		July 15, 2016
	ocial Science (IC2S2), Northwestern University	June 24, 2016
NetSci, Seoul, Korea		June 2, 2016
• Int'l Conf. on the Science of Sci	ence, Library of Congress, Washington D.C.	April 7, 2016
• Los Alamos Rotary Club, Los Al	lamos, NM	March 15, 2016
 NetSci, Zaragoza, Spain 		June 3, 2015
• Freeman Symposium, Harvard T	. H. Chan School of Public Health	April 10, 2015
Boston Area Parasitology Sympo	osium (BAPS), Boston, MA	December 8, 2014
• Defeating Malaria: from genes to	o the globe – poster Harvard School of Public Health	December 2, 2014
• ASTMH – poster, New Orleans, 1	\mathcal{A}	November 4, 2014
Harvard Channing Network Scientific	ence Seminar, Boston, MA.	October 31, 2014
• NetSci – poster [best poster awa	rd], Berkeley, CA	June 4, 2014
• BioMalPar/EVIMalar, EMBL, I	Heidelberg, Germany	May 13, 2014
 Network Frontiers Workshop, N 	IICO, Northwestern University	December 6, 2013
• ASTMH – poster, Washington D.	C.	November 15, 2013
Oxford Tropical Network, KEN	IRI, Kilifi, Oxford-Wellcome Trust, Kenya	October 1, 2013
Networks Journal Club, OCIAN	I, Oxford University, UK	March 8, 2013
• Dynamics Days – poster, Univer-	sity of Colorado Boulder	January 3, 2013
• Freeman Symposium, Harvard S	chool of Public Health	December 14, 2012

 Model-Based Research and Reproducibility Workshop, Center for Open Science Network Null Models Working Group, NIMBIOS Decision Processes in Networks, Triennial Choice Symposium The Dynamics of Discovery: Is Science Slowing and Can We Speed It Up? Awards, Affiliations, Accreditations Research & Innovation Office Faculty Fellow Models of Infectious Disease Agent Study Network – Member Network Science Society – Member American Mathematical Society – Member American Society of Tropical Medicine and Hygiene – Member Models of Tropical Medicine and Hygiene – Member 2013 - present 2013 - present 	
 Network Null Models Working Group, NIMBIOS Decision Processes in Networks, Triennial Choice Symposium The Dynamics of Discovery: Is Science Slowing and Can We Speed It Up? March 16-17, 2018 Awards, Affiliations, Accreditations Research & Innovation Office Faculty Fellow Models of Infectious Disease Agent Study Network – Member Network Science Society – Member American Mathematical Society – Member 2014 - present 2014 - present 	
 Research & Innovation Office Faculty Fellow Models of Infectious Disease Agent Study Network – Member Network Science Society – Member American Mathematical Society – Member 2020 - present 2014 - present 2014 - present 	
 Models of Infectious Disease Agent Study Network – Member Network Science Society – Member American Mathematical Society – Member 2014 - present 2014 - present 	—
 Society of Industrial and Applied Mathematics – Member Genetic Epidemiology of Malaria – Best Poster NIH "Protecting Human Research Participants" – certification NetSci 2014 – Best Poster "Inhibition causes ceaseless" – Physical Review Letters Editors' Suggestion Arts and Sciences Dean's Teaching Assistant Fellowship Dynamics Days 2010 – Best Poster Lead Teaching Assistant, Dept. of Applied Mathematics National Postdoctoral Association – Member Advising Advising Advising Advising	
Postdocs	
• Eun Lee, Computer Science 2020 - present	
PhD Students• Tzu-Chi Yen, Computer Science2018 - present• K. Hunter Wapman, Computer Science2019 - present• Erik Johnson, Applied Mathematics2019 - present• Nicholas LaBerge, Computer Science2019 - present• Ian van Buskirk, Computer Science2019 - present• Kate Bubar, Applied Mathematics2020 - present• Katherine Spoon, Computer Science2020 - present	
PhD Rotation Students (IQ Biology) • Sharon Wu 2020	

	2010
• Elise Tate	2019
• Kate Bubar	2019
Sierra Jech	2019
Phillip Benson	2019
Dieu My Nguyen	2018
Michael Smallegan	2018
Masters Students	
Aaron Aaeng, M.S. Computer Science, Colorado	2019 - present
Upasana Dutta, M.S. Computer Science, Colorado	2020 - present
Marshall Y. Carpenter, M.S. Applied Math, Colorado	2012
(Co-adv: Juan G. Restrepo, NSF MCTP)	
Undergraduate Students	
Suchita Lulla, University of Colorado Boulder	2019 propert
Aparajithan Venkateswaran, University of Colorado Boulder, NSF REU	2018 - present
•	2018 - present
Suyog Soti, University of Colorado Boulder Verio Younglove, University of Colorado Boulder, NSE BELL	2018 - 2019
Katie Younglove, University of Colorado Boulder, NSF REU Pale at Starla Hairweitz of Colorado Boulder.	2018 - 2019
Robert Steele, University of Colorado Boulder Plans Names Mandanta Callega significant Santa Fallantitute	2018
Phuc Nguyen, Macalester College via the Santa Fe Institute	2017
Maya Banks, Carleton College via the Santa Fe Institute	2017
High School Students	
 William McKinnon, High School Student, Santa Fe Institute 	2016
Kat Wicks, High School Student, Santa Fe Institute	2015 - 2016
Teaching	
University of Colorado Boulder	Boulder, CO, USA
University of Colorado Boulder • CSCI 5352 (Network Analysis and Modeling)	Fall 2019
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) 	Fall 2019 Fall 2019
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) 	Fall 2019 Fall 2019 Spring 2019
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) 	Fall 2019 Fall 2019 Spring 2019 Fall 2018
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) [new course] CSCI 3022 (Intro to Data Science with Probability and Statistics) 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Fall 2017
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) [new course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Complex Networks Winter Workshop Large-scale structures in networks: Hidden communities and latent hierarchies 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) [new course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Complex Networks Winter Workshop 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Spring 2018 Fall 2017 Quebec City, Quebec
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) [new course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Large-scale structures in networks: Hidden communities and latent hierarchies NetSci 2019 International Conference on Network Science Large-scale structures in networks: Hidden communities and latent hierarchies 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019 Burlington, VT, USA May 27, 2019
University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) [new course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Complex Networks Winter Workshop Large-scale structures in networks: Hidden communities and latent hierarchies NetSci 2019 International Conference on Network Science Large-scale structures in networks: Hidden communities and latent hierarchies Santa Fe Institute - Complex Systems Summer School	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019 Burlington, VT, USA May 27, 2019 Santa Fe, NM, USA
University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) Inew course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Inew course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Complex Networks Winter Workshop Large-scale structures in networks: Hidden communities and latent hierarchies NetSci 2019 International Conference on Network Science Large-scale structures in networks: Hidden communities and latent hierarchies Santa Fe Institute - Complex Systems Summer School Networks & Hierarchies	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019 Burlington, VT, USA May 27, 2019 Santa Fe, NM, USA June 24-25, 2019
 University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) [new course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Large-scale structures in networks: Hidden communities and latent hierarchies NetSci 2019 International Conference on Network Science Large-scale structures in networks: Hidden communities and latent hierarchies Santa Fe Institute - Complex Systems Summer School 	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019 Burlington, VT, USA May 27, 2019 Santa Fe, NM, USA
University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) Inew course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Inew course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Complex Networks Winter Workshop Large-scale structures in networks: Hidden communities and latent hierarchies NetSci 2019 International Conference on Network Science Large-scale structures in networks: Hidden communities and latent hierarchies Santa Fe Institute - Complex Systems Summer School Networks & Hierarchies	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019 Burlington, VT, USA May 27, 2019 Santa Fe, NM, USA June 24-25, 2019
University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) [new course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Complex Networks Winter Workshop Large-scale structures in networks: Hidden communities and latent hierarchies NetSci 2019 International Conference on Network Science Large-scale structures in networks: Hidden communities and latent hierarchies Santa Fe Institute - Complex Systems Summer School Networks & Hierarchies Networks & Hierarchies	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019 Burlington, VT, USA May 27, 2019 Santa Fe, NM, USA June 24-25, 2019 June 25-26, 2018
University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) Inew course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Complex Networks Winter Workshop Large-scale structures in networks: Hidden communities and latent hierarchies NetSci 2019 International Conference on Network Science Large-scale structures in networks: Hidden communities and latent hierarchies Santa Fe Institute - Complex Systems Summer School Networks & Hierarchies Networks & Hierarchies University of Michigan Comp. Soc. Sci. Workshop (Communities, hierarchies: large-scale network structure)	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019 Burlington, VT, USA May 27, 2019 Santa Fe, NM, USA June 24-25, 2019 June 25-26, 2018 Ann Arbor, MI, USA Nov 10, 2017
University of Colorado Boulder CSCI 5352 (Network Analysis and Modeling) CSCI 4802/5802 (Data Science Team) CSCI 4802/5802 (Data Science Team) CSCI 5352 (Network Analysis and Modeling) CSCI 3022 (Intro to Data Science with Probability and Statistics) CSCI 3022 (Intro to Data Science with Probability and Statistics) [new course] CSCI 3022 (Intro to Data Science with Probability and Statistics) Complex Networks Winter Workshop Large-scale structures in networks: Hidden communities and latent hierarchies NetSci 2019 International Conference on Network Science Large-scale structures in networks: Hidden communities and latent hierarchies Santa Fe Institute - Complex Systems Summer School Networks & Hierarchies Networks & Hierarchies Networks & Hierarchies	Fall 2019 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Spring 2018 Fall 2017 Quebec City, Quebec Dec 15, 2019 Burlington, VT, USA May 27, 2019 Santa Fe, NM, USA June 24-25, 2019 June 25-26, 2018 Ann Arbor, MI, USA

Kenya Medical Research Institute (KEMRI)

• Lecturer – TDModNet Modeling Workshop (networks in genetics & epidemiology)

October 3, 2013

Kilifi, Kenya

Boulder, CO, USA

Spring 2012 Fall 2011 2009 - 2010 Fall 2009 Spring 2009 Fall 2008 Summer 2008 Spring 2008

Fall 2007

University of Colorado - Predoctoral

Instructor of Record – APPM 2350, Calculus III (Multivariable Calculus)
 Instructor of Record – APPM 2350, Calculus III (Multivariable Calculus)

• Lead Teaching Asst. – Applied Mathematics

• Teaching Asst. - APPM 1360, Calculus II

• Teaching Asst. - APPM 2360, Ordinary Differential Equations

• Teaching Asst. - APPM 2350, Calculus III (Multivariable Calculus)

• Teaching Asst. - APPM 2350, Calculus III (Multivariable Calculus)

• Teaching Asst. - APPM 2360, Ordinary Differential Equations

• Teaching Asst. - APPM 2350, Calculus III (Multivariable Calculus)

Editorial and Referee Work_

Guest Academic Editor

PLOS Biology

Grant Review

- NSF Science of Science and Information Policy (SciSIP)
- NSF Division of Mathematical Sciences Dynamical Systems (DMS)
- NSF/NIH Science of Science: Discovery, Communication, Impact & SCISIPBIO

Journal Review

- ACM Transactions on Knowledge Discovery from Data (TKDD)
- Europhysics Letters (EPL)
- IEEE Security and Privacy
- · Journal of Complex Networks
- Journal of Machine Learning Research (JMLR)
- Journal of Statistical Mechanics: theory and experiment (JSTAT)
- Journal of the Association for Information Science and Technology (JASIST)
- · Malaria Journal
- Methods in Ecology and Evolution
- Nature Scientific Reports
- · Nature Microbiology
- Physical Review Letters (PRL)
- Physical Review X (PRX)
- Physical Review E (PRE)
- Physical Review Research (PRR)
- Physica A
- · PLoS Biology
- PLoS Computational Biology
- PLoS Neglected Tropical Diseases
- PLoS ONE
- Proceedings of the National Academy of Sciences of the USA (PNAS)
- Science Advances
- Science Translational Medicine
- SIAM Journal on Mathematics of Data Science (SIMODS)
- Wellcome Open Research

Conferences

Program Committee, Int'l Conf. on Computational Social Science (IC2S2 2017, 2018, 2019, 2020)

- Program Committee, NetSci 2017, 2019, 2020
- Program Committee, ICWSM Workshop: Beyond Online Data: Tackling Challenging Social Science Questions
- Program Committee, 9th Int'l Conf. on Complex Networks (CompleNet 18)
- Program Committee, NetSciX 2018, 2020
- Program Committee, Int'l World Wide Web Conf. (WWW 17, 18)
- Program Committee, SIAM Network Science 2016 2019 (NS 16, 17, 18, 19)
- Program Committee, 9th Int'l Conf. on Web Search and Data Mining (WSDM 2016)
- Subreviewer, AAAI Conference on Artificial Learning (AAAI 2014)

University and Professional Service_____

(Conferences, Workshops, Speaker Series (Organizer or co-organizer)	
•	Statistical Inference for Network Models - A Satellite Symposium of the NetSci Conferen	nce.
	Rome, Italy (with T. Peixoto, T. Eliassi-Rad, B. Fosdick, and A. Clauset)	June, 2020
	Burlington, Vermont (with T. Eliassi-Rad, B. Fosdick, and A. Clauset)	May 27, 2019
	Paris, France (with T. Eliassi-Rad, B. Fosdick, and A. Clauset)	June 11, 2018
	Indianapolis, Indiana (with T. Broderick, B. Fosdick, and A. Clauset)	June 19, 2017
	Seoul, Korea (with B. Fosdick, A. Z. Jacobs, and A. Clauset)	May 31, 2016
	Zaragoza, Spain (with L. Peel, A. Z. Jacobs, and A. Clauset)	June 1, 2015
	Berkeley, California (with L. Peel, A. Z. Jacobs, and A. Clauset)	June 2, 2014
•	Slice of Science	2016 - 2017
	Santa Fe, NM. Ongoing Santa Fe Institute talk series.	
	Organizer	
•	Applied Network Science at Longwood Seminar Series, at Harvard School of Public Health.	2014 - 2015
	Boston, MA, monthly seminar for network research with biological,	
	public health, or medical application.	
	Conceived and organized with John Platig.	
•	Harvard School of Public Health Infectious Disease Epidemiology Seminar Series	2014
	Boston, MA	
	Organized with William Hanage.	
•	Mathematics Research Community Workshop on Network Science	June 24-30, 2014
	Snowbird, UT	
	Assisting Aaron Clauset, Mason Porter, & David Kempe.	
•	TDModNet Modeling Workshop (networks in genetics & epidemiology)	Oct 3, 2013
	Kenya Medical Research Institute (KEMRI), Kilifi, Kenya.	
	Organized with Caroline O. Buckee	
•	Front Range Applied Mathematics Student Conference	March 14, 2009
	University of Colorado Denver.	
	Organized with Daniel N. Kaslovsky, Anne Dougherty, et al.	

• SIAM Graduate Student Chapter Speaker Series University of Colorado Boulder. Co-organized with Daniel N. Kaslovsky.

PhD Thesis Committees	
Aislyn Keyes, Ecology & Evolutionary Biology. Adv: Laura Dee	Expected 2023
Allison Morgan, Computer Science. Adv: Aaron Clauset	Expected 2021
Samantha Molnar, Computer Science. Adv: Elizabeth Bradley	Expected 2020
Ignacio Tripodi, Computer Science. Adv: Robin Dowell	2020
Antony Pearson, Applied Mathematics, Adv: Manuel Lladser	2020
• Lee Korshoj, Chem. & Biol. Engr. Adv: Anushree Chatterjee and Prashant Nagpal	2020
Richard Carter Tillquist, Applied Mathematics, Adv: Manuel Lladser	2020
Anna Broido, Computer Science. Adv: Aaron Clauset	2019
Amir Ghasemian, Computer Science. Adv: Aaron Clauset	2018

Spring 2009

Jean-Gabriel Young, Physics, Université Laval, Adv: Louis Dube	2010
	2018
Undergraduate Thesis Committees	
Maxwell Wenzel, Computer Science. Adv: James Martin	2020
Ian Wilkins, Computer Science. Adv: James Martin	2020
Mark Wilmes, Computer Science. Daniel Larremore	2019
Maxine Hartnett, Computer Science. Adv: Elizabeth Bradley	2019
Brandon Zink, Computer Science. Adv: Rhonda Hoenigman	2019
Institutional Committees	
Colorado, Computer Science Faculty Search Committee	2019-2020
Colorado, Interdisc. Quant. Biol. Program (IQBio), Academic Advising Committee	
Colorado, BioFrontiers Institute, Council (Formerly called Task Force)	2017 - present
Colorado, Interdisc. Quant. Biol. Program (IQBio), Curriculum Committee	2017 - present
Colorado, Computer Science, Undergraduate Curriculum Committee	2018 - 2019
Colorado, BioFrontiers Institute, Social Committee (BioFunTiers)	2017 - 2018
· · · · · · · · · · · · · · · · · · ·	
Colorado, Interdisciplinary Quant. Biol. Program (IQBio), Grad. Admissions Sector For Leaffacts Control of Sectors Se	2017 - 2018
• Santa Fe Institute, Complex Systems Summer School Admissions	2016 - 2017
Santa Fe Institute, Omidyar Fellowship Review & Selection	2015 - 2016
Colorado, Office of Discrimination and Harassment Review	2010 - 2012
Colorado, SIAM Graduate Student Chapter	2008 - 2010
Outreach	
"How do infectious disease models work?"	April 13, 2020
BioFrontiers Institute Community COVID-19 Session	
• "What it is to be a Scientist"	May 4, 2016
Santa Fe Institute	•
Keynote, SFI High School Prize for Scientific Excellence	
• "What it is to be a Scientist"	2016-2019
Santa Fe Institute	
REU Program Mentorship	
Tibe Trogram Premoral	
ner Service & Outreach	
ner Service & Outreach	Boulder, CO
ner Service & Outreach Faculty Sanity	Boulder, CO
ner Service & Outreach	
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all departments. Founder, Organizer	nts. 2018 - present
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all department Founder, Organizer March for Science - Santa Fe	nts. 2018 - present Santa Fe, NM
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all departments Founder, Organizer March for Science - Santa Fe Lead Organizer	nts. 2018 - present Santa Fe, NM April 22, 2017
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all departments Founder, Organizer March for Science - Santa Fe Lead Organizer • Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM	nts. 2018 - present Santa Fe, NM April 22, 2017 March 21, 2017
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all departments Founder, Organizer March for Science - Santa Fe Lead Organizer • Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Live radio appearance - Ira Gordon - KBAC 98.1 Santa Fe, NM	nts. 2018 - present Santa Fe, NM April 22, 2017 March 21, 2017 March 24, 2017
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all department Founder, Organizer March for Science - Santa Fe Lead Organizer • Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Live radio appearance - Ira Gordon - KBAC 98.1 Santa Fe, NM • Recorded radio appearance - Gillian Sutton - KRSN 107.1/1490 Los Alamos, N	Santa Fe, NM April 22, 2017 March 21, 2017 March 24, 2017 M April 18, 2017
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all department Founder, Organizer March for Science - Santa Fe Lead Organizer • Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Live radio appearance - Ira Gordon - KBAC 98.1 Santa Fe, NM • Recorded radio appearance - Gillian Sutton - KRSN 107.1/1490 Los Alamos, N • Live radio appearance - Rita Daniels - KNCE 93.5 Taos, NM	Santa Fe, NM April 22, 2017 March 21, 2017 March 24, 2017 M April 18, 2017 April 19, 2017
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all departments Founder, Organizer March for Science - Santa Fe Lead Organizer Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM Live radio appearance - Ira Gordon - KBAC 98.1 Santa Fe, NM Recorded radio appearance - Gillian Sutton - KRSN 107.1/1490 Los Alamos, N Live radio appearance - Rita Daniels - KNCE 93.5 Taos, NM Live radio appearance - Richard Eeds - KVSF 101.5 Santa Fe, NM	nts. 2018 - present Santa Fe, NM April 22, 2017 March 21, 2017 March 24, 2017 M April 18, 2017 April 19, 2017 April 19, 2017
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all department Founder, Organizer March for Science - Santa Fe Lead Organizer • Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Live radio appearance - Ira Gordon - KBAC 98.1 Santa Fe, NM • Recorded radio appearance - Gillian Sutton - KRSN 107.1/1490 Los Alamos, N • Live radio appearance - Rita Daniels - KNCE 93.5 Taos, NM	Santa Fe, NM April 22, 2017 March 21, 2017 March 24, 2017 M April 18, 2017 April 19, 2017
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all department Founder, Organizer March for Science - Santa Fe Lead Organizer • Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Live radio appearance - Ira Gordon - KBAC 98.1 Santa Fe, NM • Recorded radio appearance - Gillian Sutton - KRSN 107.1/1490 Los Alamos, N • Live radio appearance - Rita Daniels - KNCE 93.5 Taos, NM • Live radio appearance - Richard Eeds - KVSF 101.5 Santa Fe, NM • Live Radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Live Radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Recorded radio appearance - KSFR 101.1 public radio, Santa Fe, NM	Santa Fe, NM April 22, 2017 March 21, 2017 March 24, 2017 M April 18, 2017 April 19, 2017 April 19, 2017 April 20, 2017 April 24, 2017
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all departments Founder, Organizer March for Science - Santa Fe Lead Organizer Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM Live radio appearance - Ira Gordon - KBAC 98.1 Santa Fe, NM Recorded radio appearance - Gillian Sutton - KRSN 107.1/1490 Los Alamos, N Live radio appearance - Rita Daniels - KNCE 93.5 Taos, NM Live radio appearance - Richard Eeds - KVSF 101.5 Santa Fe, NM Live Radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM	Santa Fe, NM April 22, 2017 March 21, 2017 March 24, 2017 M April 18, 2017 April 19, 2017 April 19, 2017 April 20, 2017 April 24, 2017 Santa Fe, NM
Faculty Sanity A monthly, open, unstructured meetup for junior faculty at CU Boulder, all departments Founder, Organizer March for Science - Santa Fe Lead Organizer • Live radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Live radio appearance - Ira Gordon - KBAC 98.1 Santa Fe, NM • Recorded radio appearance - Gillian Sutton - KRSN 107.1/1490 Los Alamos, N • Live radio appearance - Rita Daniels - KNCE 93.5 Taos, NM • Live radio appearance - Richard Eeds - KVSF 101.5 Santa Fe, NM • Live Radio appearance - Honey Harris - KBAC 98.1 Santa Fe, NM • Live Radio appearance - KSFR 101.1 public radio, Santa Fe, NM	Santa Fe, NM April 22, 2017 March 21, 2017 March 24, 2017 M April 18, 2017 April 19, 2017 April 19, 2017 April 20, 2017 April 24, 2017

Greater University Service Foundation, Inc.

Director Co-founder and Secretary **St. Louis, MO** 2008 - present 2006 - 2008

The Boulder County AIDS Project

Volunteer math tutor; grocery packing and delivery.

Boulder, CO 2005 - 2011