

Danielle S. Bassett, PhD

Prepared 1/12/2015

Skirkanich Assistant Professor of Innovation
Department of Bioengineering
University of Pennsylvania
210 S. 33rd Street
240 Skirkanich Hall
Philadelphia, PA 19104-6321
Phone: (805) 452 4245
Email: dsb@seas.upenn.edu
URL: www.danisbassett.com

ACADEMIC EMPLOYMENT:

The University of Pennsylvania Tenure-Track Assistant Professor Department of Bioengineering	Philadelphia, PA Fall 13 - present
The University of California Santa Barbara Sage Junior Research Fellow Departments of Physics & Psychological and Brain Sciences Sage Center Director: Michael S. Gazzaniga	Santa Barbara, CA Fall 11 – Fall 13
The University of California Santa Barbara Postdoctoral Research Associate Department of Physics Institute for Collaborative Biotechnologies Supervisor: Prof. Jean Carlson	Santa Barbara, CA Fall 09 – Fall 11

EDUCATION:

The University of Cambridge (UoC), King's College PhD in Physics (awarded July 2009) Advisors: Dr. Thomas Duke (UoC), Dr. Ed Bullmore (UoC), Dr. Andreas Meyer-Lindenberg (NIMH) Funded by the NIH-University of Cambridge Health Science Scholarship	Cambridge, UK Fall 05 – Fall 09
The University of Cambridge (UoC), Churchill College Certificate in Postgraduate Studies in Physics (CPGS) Funded by Winston Churchill Scholarship and the NIH-University of Cambridge Health Science Scholarship	Cambridge, UK Fall 04 – Fall 05
The Pennsylvania State University - Schreyer Honors College Graduated With Distinction Honors B.S. in Physics, Minor in Mathematics Honors in Physical Chemistry of Synthetic Cells	State College, PA Spring 2001- May 2004
The Reading Hospital School of Nursing Completed 1.5/3 years towards R.N. degree Estimated GPA >3.9/4.0	Reading, PA Fall 1999 - Fall 2000

CURRENT FUNDING:

1. Sloan Scholar Award (Bassett): \$100,000 (Direct) 2014-2016, Effort: 0.50 calendar months.
Dynamic Network Neuroscience.
2. ITMAT Pilot (Bassett & Satterthwaite): \$50,000 (Direct) 2014. Effort: N/A.
Resolving Multidimensional Trajectories of Brain Network Architecture
3. CPNF Subcontract #APX02-006 (Bassett): \$297,000 per year (Direct + Indirect) 2013-2015, Effort: 3.00 calendar months.
Distinguishing Brain States and Resolving State Transitions.
August 2013
4. NSF Workshop Proposal (Bassett): \$66,701 (Direct + Indirect) 2014-2015. Effort: N/A.
Quantitative Theories of Learning, Memory, and Prediction.
March 2014
5. CBICA (Bassett & Gee): \$50,000 (Direct) 2014-2015. Effort: N/A.
Linked Structure-Function Predictors of Frontotemporal Dementia Pathology
March 2014
6. NIH RO1 (Thompson-Schill): \$20,000 (Direct) 2014-2019, Effort: 0.1 calendar months.
Linguistic and Nonlinguistic Functions of Frontal Cortex.
October 2013
7. TCORS (Bassett, Seneca & Falk): \$50,000 (Direct) 2014-2016. Effort: N/A.
Neural predictors of exposure effects in tobacco graphic warning images: A dynamic network neuroscience approach
June 2014
8. NSF CRCNS (Bassett & Pasqualetti): \$242,204 (Direct) + \$119,303 (Indirect) 2014-2017. Effort: N/A.
Mapping and Control of Large-Scale Neural Circuitry
January 2014
9. MacArthur Fellowship (Bassett): \$625,000. Effort: N/A. John D and Catherine T. MacArthur Foundation.
September 2014

AWARDS AND ACHIEVEMENTS:

ACADEMIC ACHIEVMENT AWARDS:

Named MacArthur Fellow	Sept, 2014
Named Alfred P. Sloan Research Fellow	Jan, 2014
Named American Psychological Society "Rising Star"	Dec, 2012
Alumni Achievement Award, Schreyer Honors College, PSU	Jan, 2012
Award for extraordinary professional accomplishment under 35 yr. of age	

POSTDOCTORAL AWARDS:

Travel Grant Award SIAM UQ2012	April, 2012
Daryl & Marguerite Errett Discovery Award in Biomedical Research \$49,000 towards research costs	May, 2011
Sage Junior Research Fellowship 2-year stipend and research costs	March, 2011
Travel Grant Award OHBM 2010 conference	June, 2010
Travel Grant Award SAMSI Workshop on Complex Networks	Sept, 2010
Travel Grant Award New Horizons 2010 conference	Dec, 2010

GRADUATE FELLOWSHIPS:

NIH-University of Cambridge Health Science Scholarship Fully funded collaborative PhD between the National Institutes of Health, Bethesda, MD, USA and the University of Cambridge, UK	2004-2009
---	-----------

Winston Churchill Scholarship, University of Cambridge, UK 2004-2005
Fulbright Scholarship 2004
Awarded for study at the Brain Dynamics Centre, Sydney, Australia (Declined)

UNDERGRADUATE SCHOLARSHIPS AND AWARDS:

The Paul Axt Prize 2004
Given to one student each year who displays the passionate commitment to inquiry that promotes high scholarly achievement and the intellectual curiosity and daring that lead to the development and pursuit of wide-ranging interests.
Most Achieving Undergraduate Woman of the Year 2004
Society for Distinguished Alumni Scholarship 2004
Academic Achievement Awards: Eberly College of Science 2002-2004
Schreyer Honors Scholar 2002-2004
John and Elizabeth Holmes Teas Scholarship, Department of Physics 2002-2003
Paul Morrow Scholarship, Department of Engineering 2001
Academic Achievement Award in Physics 2002

AFFILIATIONS:

APS (American Physical Society)
OHBM (Organization for Human Brain Mapping)
SfN (Society for Neuroscience)
SIAM (Society for Industrial and Applied Mathematics)
IEEE-EMBS (IEEE – Engineering in Medicine and Biology)

SOFTWARE PACKAGES:

Contributor to BCT (Brain Connectivity Toolbox), Indiana University (Olaf Sporns)

EXPERIENCE:

THESIS COMMITTEE MEMBER:

Harini Eavani (Engineering and Applied Science) Fall '13
Sarah Middleton (Genomics and Computational Biology) Winter '14
Andrew Gifford (Neuroscience) Winter '14
Yunshu Fan (Neuroscience) Summer '14
Marcelo Mattar (Psychology) Summer '14
Shi Gu (Applied Mathematics) Summer '14
Muzhi Yang (Applied Mathematics) Summer '14
Ankit Khambhati (Bioengineering) Fall '14
Sijia Zhang (Bioengineering) Spring '15

QUALIFICATIONS EXAM COMMITTEE:

Modupe Alexandra Adegoke (Bioengineering) Summer '14
Lohith Kini (Bioengineering) Summer '14
Hoameng Ung (Bioengineering) Summer '14
Long Xie (Bioengineering) Fall '14

PRIMARY RESEARCH SUPERVISOR:

Highschool Students:
Caroline Casey (Peddie Highschool) Summer '14
Adam Lastowka (Open Connections) Summer '14

Undergraduate Students:

David Baker (Penn, Electrical and Systems Engineering) – undergraduate research for credit	Fall '13-present
Eric Bridgeford (John Hopkins, Bioengineering)	Summer '14
Luci Chai (Penn, Bioengineering)	Summer '14
Zitong Zhang (Tsinghua University)	Summer '14
Hannah Cutler (Penn, Electrical and Systems Engineering)	Fall '14
Dillon Chen (Penn, Wharton)	Fall '14

Research Assistants:

Felix Siebenhuener: 1 article, 1 book review, 1 book chapter	2011-2012
--	-----------

Graduate Students:

Emily Hyman (Electrical and Systems Engineering) - Independent study	Winter '14
Shi Gu (Applied Mathematics and Computational Science) – independent study followed by graduate research	Fall '13-present
Muzhi Yang (Applied Mathematics and Computational Science) – independent study followed by graduate research	Fall '13-present

Postdoctoral Fellows:

Sarah Muldoon, Physicist	Winter '14
Qawi Telesford, Bioengineer	Winter '14
Chad Giusti, Mathematician	Fall '14
John Medaglia, Physician	Fall '14

Visiting Fellows:

Urs Braun (Central Institute of Mental Health, Mannheim, Germany)	Winter '14
---	------------

SECONDARY RESEARCH SUPERVISOR:

Marcelo Mattar (Psychology; with Sharon Thompson-Schill, Geoffrey Aguirre) Manuscript in Preparation	2013-present
Ankit Khambhati (Bioengineering; with Brian Litt) Manuscript submitted to PNAS	2013-present
Christian Lohse, Undergraduate Research Experience Published in PloS CB	2012-2013
Florian Klimm, Undergraduate Research Experience Published in PLoS Comp Biol	2012-2013
Undergraduate Thesis: Mary-Ellen Lynall, University of Cambridge Title: "Functional Connectivity and Brain Networks in Schizophrenia" Published in J Neurosci	2009
Master's Thesis: Lorena Deuker, University Konstanz, Dept of Psychology Title: "Reproducibility of Graph Metrics in MEG" Published in Neuroimage	2008-2009

TEACHING:

BE 566 Network Neuroscience Dept of Bioengineering. 20 graduate students and 4 undergraduate students From 4 departments and 3 schools	Fall '14
Independent Study Course in Social Information Transmission Dept of Electrical and Systems Engineering Graduate Student: Emily Hyman	Spring '14
Independent Study Course in Network Dynamics Dept of Bioengineering and Graduate Group in Applied Mathematics Graduate Student: Shi Gu	Fall '13
Independent Study Course in Network Geometry Dept of Bioengineering and Graduate Group in Applied Mathematics Graduate Student: Muzhi Yang	Fall '13

Co-Developed and Co-Taught UCSB Graduate Course On Interdisciplinary Methods in Brain Sciences	Spring '12, '13
Supervisor of Physics 1A for the University of Cambridge Clare, Kings and Churchill Colleges	2005-2009
Laboratory Teaching Assistant Pennsylvania State University	2002-2004
Tutor for undergraduate math and physics Pennsylvania State University	2000-2002
INDUSTRY PLACEMENT:	
GlaxoSmithKline, Cambridge. Study #TMT110737; PI Odile Dewit.	2008-2009
UNDERGRADUATE RESEARCH:	
<i>Biomaterials and Bionanotechnology Summer Institute (NSF, NIH Awards)</i> Research Title: Metal Ion Partitioning in Giant Vesicles	State College, PA Summer 2003
<i>Bucknell University (NSF Research Experience for Undergraduates Award)</i> Research Title: Physical Modeling of Nerve Impulses	Lewisburg, PA Summer 2002
CLINICAL EXPERIENCE:	
<i>Morning Star Orthopedics</i> Medical Secretary and Patient Care	Elverson, PA Summer 2000
<i>The Reading Hospital and Medical Center</i> Unit Support Worker in Patient Care	Reading, PA Feb-June 2000

INVITED LECTURES & PRESENTATIONS:

Future:

<i>University of Massachusetts, Lowell</i> Seminar	Boston, MA Rescheduled
<i>Philadelphia Neurological Society</i> Invited Lecture	Philadelphia, PA Feb 19, 2015
<i>International Symposium on Biomedical Imaging</i> Invited Lecture	New York, NY April 16, 2015
<i>New York University</i> Invited Lecture	New York, NY May 12, 2015
<i>SIAM NetSci</i> Invited Lecture	Snowbird, UT May 17, 2015
<i>ISMRM</i> Invited Lecture	Toronto, Ontario May 31, 2015
<i>Organization for Human Brain Mapping: Symposium</i> fMRI Advanced Course Lecturer	Honolulu, Hawaii June 14, 2015
<i>Summer Institute in Cognitive Neuroscience (UC Davis / UCSB)</i> Invited Teaching Lecture	Santa Barbara, CA June 25, 2015
<i>American Control Conference</i> Invited Lecture	Chicago, IL July 1, 2015

<i>Max Planck Institute: Workshop on Time-Dependent Networks</i> Invited Lecture	Dresden, Germany July 7, 2015
<i>NecSys</i> Plenary Lecture	Philadelphia, PA Sept 10, 2015
<i>New Jersey Institute of Technology</i> Seminar Lecture	Newark, NJ Sept 25, 2015
<i>University of Chicago</i> Lecture at SPM workshop	Chicago, IL October 22, 2015
<i>The Quadrangle</i> Lecture	Haverford, PA November 11, 2015
University of Florida - IEEE-EMBS Distinguished Early Career Lecture	Gainesville, FL Nov 30, 2015
IEEE-EMBS Plenary Lecture	Orlando, FL August 16, 2016
<i>British Applied Mathematics Conference</i> Plenary Lecture	Oxford, UK April 6, 2016
Past:	
<i>NSF SBE Fall Advisory Committee Meeting</i> Lecture	Alexandria, VA October 31, 2014
<i>Philosophy of Science Association</i> (Invited; Delivered by Sarah Muldoon)	Chicago, IL Nov 6, 2014
<i>Indiana University Bloomington</i> Cognitive Science Colloquium Speaker	Bloomington, IN Sept 8, 2014
<i>University of Pennsylvania - IRCS Seminar</i> IRCS Seminar	Philadelphia, PA Sept 19, 2014
<i>Bernstein Center for Computational Neuroscience</i> Invited Lecture	Berlin, Germany Jun 11, 2014
<i>NetSci – Satellite Workshop</i> Invited Lecture	Berkeley, CA Jun 3, 2014
<i>2014 Systems & Integrative Biology (SIB) & Vision Sciences TGs Retreat</i> Featured Faculty Speaker	Philadelphia, PA Jun 4, 2014
<i>NSF Workshop on Quantitative Theories of Learning, Memory, and Prediction</i> Brain Network Dynamics: A Predictive Key to Human Behavior	Arlington, VA May 9, 2014
<i>University of Pennsylvania</i> Conte Lecture, School of Medicine	Philadelphia, PA April 24, 2014
<i>University of Pennsylvania - Mahoney Institute of Neurological Sciences</i> Invited by Tracy Bale	Philadelphia, PA April 2, 2014

<i>Cold Spring Harbor Laboratory - Connections & Communications in the Brain</i> Invited Lecture	CSH, NY April 6, 2014
<i>CoSyne Workshop - Discovering Structure in Neural Data</i> Invited Lecture	Snowbird, UT March 4, 2014
<i>Rochester Institute of Technology</i> College of Science, Distinguished Speaker	Rochester, NY Feb 20, 2014
<i>Northwestern University</i> Network Frontiers Workshop	Chicago, IL Dec 4, 2013
<i>Moss Rehabilitation Research Institute</i> Probing Human Brain Network Dynamics During Learning	Philadelphia, PA Dec 11, 2013
<i>Society for Neuroscience</i> Cross-Linked Structure of Brain Network Evolution	San Diego, CA Nov 11, 2013
<i>Society for Neuroscience</i> Network Organization in Schizophrenia	San Diego, CA Nov 13, 2013
<i>Army Research Laboratory</i> The Human Dimension - Army Science Planning and Strategy Meeting	Potomac, MD Nov 4, 2013
<i>Princeton University</i> Computational Modeling Seminar	Princeton, NJ Nov 1, 2013
<i>Florida Atlantic University</i> Complex Systems Seminar Series	Boca Raton, FL Oct 8, 2013
<i>Syracuse University</i> Condensed Matter and Biological Physics Seminar	Syracuse, NY Sept 27, 2013
<i>Lieber Institute</i> Probing Human Brain Network Dynamics During Learning	Baltimore, MD Sept 25, 2013
<i>University of Pennsylvania</i> Living Matter Seminar series	Philadelphia, PA Sept 24, 2013
<i>John Hopkins University - Cognitive Neurophysiology Laboratory</i> Network Architecture and Predictive Dynamics of Brain Systems	Baltimore, MD Sept 4, 2013
<i>Oxford University: Workshop on Time-dependent and Multiplex Networks</i> Brain Network Dynamics During Learning	Oxford, UK July 9, 2013
<i>SIAM: Applications of Dynamical Systems</i> Network Structure and Predictive Dynamics of Brain Systems	Snowbird, UT May 20, 2013
<i>Sage JRF Workshop: The Human Condition – A Network of Networks</i> Neurophysiological Drivers of Social Behavior	Santa Barbara, CA April 22, 2013
<i>Princeton University: Physics Seminar</i> Towards a Predictive Science of Network-Based Systems	Princeton, NJ March 8, 2013
<i>Stonybrook University: Laufer Center Seminar</i>	Stony brook, NY

Network Architecture and Predictive Dynamics of Brain Systems	March 7, 2013
<i>University of California Irvine: Physics Seminar</i> Towards a Predictive Science of Network-Based Systems	Irvine, CA Feb 25, 2013
<i>University of Pennsylvania: ESE & BE Colloquium</i> Towards a Predictive Science of Network-Based Biological Systems	Philadelphia, PA Feb 21, 2013
<i>Penn State University: Physics Colloquium</i> Towards a Predictive Science of Network-Based Biological Systems	University Park, PA Feb 19, 2013
<i>Princeton University: PACM & MAE Seminar</i> Towards a Predictive Science of Network-Based Systems	Princeton, NJ Feb 15, 2013
<i>Carnegie Mellon University: Bioengineering Colloquium</i> Towards a Predictive Science of Network-Based Biological Systems	Pittsburgh, PA Feb 12, 2013
<i>Ohio State University: Computer Science Colloquium</i> Towards a Predictive Science of Network-Based Biological Systems	Columbus, OH Feb 7, 2013
<i>Emory: Physics Colloquium</i> Distilling Predictive Network Architecture in Complex Systems	Atlanta, GA Jan 28, 2013
<i>UNC: Applied Mathematics Colloquium</i> Distilling Predictive Network Architecture in Complex Biological Systems	Chapel Hill, NC Jan 24, 2013
<i>Harvard: WAM Seminar</i> Distilling Predictive Network Architecture in Complex Biological Systems	Boston, MA Jan 22, 2013
<i>University of Oregon: Joint Mathematics and Biology Seminar</i> Distilling Predictive Network Architecture in Complex Biological Systems	Eugene, OR Jan 15, 2013
<i>University of Michigan: Center for the Study of Complex Systems Colloquium</i> Network Architecture and Predictive Dynamics of Brain Systems	Ann Arbor, MI Nov 27, 2012
<i>University of North Carolina Chapel Hill: Applied Mathematics Colloquium</i> Network Architecture and Predictive Dynamics of Brain Systems	Raleigh, NC Nov 9, 2012
<i>Cornell: Applied Math Colloquium</i> Network Architecture and Predictive Dynamics of Brain Systems	Ithaca, NY Sept 7, 2012
<i>Institute for the Applications of Mathematics & Integrated Science Workshop</i> Network Architecture and Predictive Dynamics of Brain Systems	Riverside, CA June 21, 2012
<i>Center for Imaging of Neurodegenerative Diseases: Symposium</i> Network Models of the Human Brain in Health and Disease	San Francisco, CA June 2, 2012
<i>UCSB Physics Colloquium</i> Network Architecture and Predictive Dynamics of Brain Systems	Santa Barbara, CA May 29, 2012
<i>Penn State Physics Department Special Seminar</i> Network Architecture and Predictive Dynamics of Brain Systems	University Park, PA March 29, 2012

<i>UCSB Mechanical Engineering Seminar</i> Network Architecture and Predictive Dynamics of Brain Systems	Santa Barbara, CA March 14, 2012
<i>Cornell University: Biomedical Imaging Research Seminar Series</i> Network Models of the Human Brain	Manhattan, NY March 7, 2012
<i>Yale: 5th Annual Symposium, Swartz Program in Theoretical Neurobiology</i> Complex Dynamics of Human Brain Networks	New Haven, CT Oct 28, 2011
<i>Virginia Tech Physics Colloquium</i> Networks of the Brain	Blacksburg, VA Sept 12, 2011
<i>KITPMini-Program: Network Architecture of Brain Structures and Functions</i> Network Analysis of Human Imaging Data	Santa Barbara, CA August 3, 2011
<i>University of Glasgow</i> Network Organization of Human Brain Structure and Function	Glasgow, UK June 10, 2011
<i>University of Minnesota CNR Colloquium</i> History and Applications of Physics to the Study of the Human Brain	Minneapolis, MN March 22, 2011
<i>University of Minnesota CMRR Colloquium</i> Complex Network Analysis in Neuroimaging	Minneapolis, MN March 21, 2011
<i>International Imaging Genetics Conference</i> Complex Network Analysis in Neuroimaging	UC Irvine, CA January 17, 2011
<i>Virginia Tech Physics Colloquium</i> History and Applications of Physics to the Study of the Human Brain	Blacksburg, VA January 14, 2011
<i>Virginia Tech Carilion Institute Colloquium</i> Efficiency and Adaptivity of Human Brain Networks	Roanoke, VA January 13, 2011
<i>SAMSI Dynamics of Networks Workshop</i> Dynamic Community Structure in Adaptive Systems	Raleigh, NC January 10, 2011
<i>INFORMS</i> Dynamic Community Structure in Adaptive Systems Influence of Information Networks on Collective Evacuation Dynamics	Austin, TX Nov 8, 2010 Nov 10, 2010
<i>Neuroimaging Technologies for Optimizing Performance</i> Conserved and Variable Architecture of Human White Matter Connectivity	Alexandria, VA Sept 24, 2010
<i>Brain Connectivity Workshop 2010</i> Efficient Physical Embedding of Information Systems	Berlin, Germany June 2, 2010

Teaching Presentations

<i>The UCLA Advanced Neuroimaging Summer Program 2011</i> Complex Network Analysis in Neuroimaging	Los Angeles, CA July 2011
<i>UC Santa Barbara Course Lecture, "Special Topics" psy594LN</i> Understanding Complexity in the Human Brain	Santa Barbara, CA April 18, 2011

<i>Society for Neuroscience Short Course</i> Complex Network Analysis in Clinical Neuroscience	San Diego, CA Nov 12, 2010
<i>The UCLA Advanced Neuroimaging Summer Program 2010</i> Complex Network Analysis in Neuroimaging	Los Angeles, CA July 20, 2010
<i>The 4th APCTP-KAIST School for Brain Dynamics</i> Clinical Network Neuroscience	Daejeon, South Korea December 12, 2009

CONFERENCE PRESENTATIONS:

<i>SfN 2012</i> Poster: "Temporal Dynamics of Putative Functional Modules During Learning"	New Orleans, LA Oct 15, 2012
<i>OHBM Workshop on Brain Graphs</i> Dynamic Network Organization in the Human Brain Presented by Scott T. Grafton.	Beijing, China June 12, 2012
<i>Cognitive Neuroscience Meeting</i> Poster: "Dynamic reconfiguration of human brain networks During learning"	Chicago, IL April 1, 2012
<i>American Physical Society March Meeting</i> Talk on "Influence of Topology on Signal Propagation in Granular Force Networks"	Boston, MA Feb 28, 2012
<i>International Congress on Schizophrenia Research</i> Invited Talk: "Multiscale statistical analysis of resting state BOLD time series in schizophrenia" <i>Presented by: Kelvin O. Lim</i>	Colorado Springs, CO April 4, 2011
<i>Society for Neuroscience</i> Poster: "Dynamic network reconfiguration of human brain networks during learning" <i>Presented by: Nick Wymbs</i>	San Diego, CA Nov 15, 2010
<i>SAMSI Workshop on Complex Networks</i> Presented Poster: "Time-dependent Network Architecture of Human Brain Function"	Research Triangle Park, NC August 31, 2010
<i>Human Brain Mapping</i> Presented Poster: "Conserved and variable architecture"	Barcelona, Spain June 9, 2010
<i>Human Brain Mapping</i> Presented Poster: "Cost-efficiency in informational systems"	San Francisco, CA June 18, 2009
<i>Society for Neuroscience</i> Invited Talk: "Hierarchical organization of the human multimodal cortical network and its perturbation by schizophrenia"	San Diego, CA Nov 4, 2007
<i>Human Brain Mapping</i> Presented Poster: "Topological Dynamics of Synchronized and	Chicago, IL June 14, 2007

Syncopated Finger Tapping”

<i>Coordination Dynamics</i> Presented Poster: “Topological Dynamics of Synchronized and Syncopated Finger Tapping”	Boca Raton, FL Feb 23, 2007
<i>Society for Neuroscience</i> Presented Poster: “Global, Local, and State-Related Properties of Small-world Human Brain Networks Using MEG”	Atlanta, GA Oct 14, 2006
<i>Brain Complexity</i> Presented Poster: “Global, Local, and State-Related Properties of Small-world Human Brain Networks Using MEG”	Hinxton, UK Sept 27, 2006
<i>NIH Cambridge/Oxford Colloquium</i> Invited Talk: “Global, Local, and State-Related Properties of Small-world Human Brain Networks Using MEG”	Oxford, UK June 22, 2006
<i>NIH Cambridge/Oxford Colloquium</i> Presented Poster: “Wavelet and Graph Theoretic Analysis of Human MEG Images”	Bethesda, MD June 29, 2005

CONFERENCE ABSTRACTS: (Since September 2013)

1. Laura Wiles, **Danielle S. Bassett**, David Meaney. Autaptic Connections Shift Network Excitability and Bursting. BMES 2014 Annual Meeting. October 22-25, 2014. San Antonio, Texas.
2. Laura Wiles, **Danielle S. Bassett**, David Meaney. Autaptic connections shift network excitability and bursting. Society for Neuroscience. November 15, 2014. Washington, DC.
3. Marcelo Mattar, Michael W. Cole, Sharon L. Thompson-Schill, **Danielle S. Bassett**. A dynamic functional cartography of cognitive systems. Society for Neuroscience. November 15, 2014. Washington, DC.
4. Ankit Khambhati, Brian Litt, **Danielle S. Bassett**. Dynamic functional reconfiguration in human epileptic networks. Society for Neuroscience. November 17, 2014. Washington, DC.
5. David Baker, Sarah F. Muldoon, Shi Gu, Ankit Khambhati, Marcelo Mattar, Qawi Telesford, Muzhi Yang, **Danielle S. Bassett**. Characterizing modular structure in neuroimaging data: The network community architecture toolbox. November 19, 2014. Washington, DC.
6. Sarah Muldoon, Jean M. Vettel, **Danielle S. Bassett**. Using stimulation to reveal structure-function relationships in dynamic brain networks. November 15, 2014. Washington, DC.
7. Qawi Telesford and **Danielle S. Bassett**. Node dynamics in time-dependent brain networks. November 15, 2014. Washington, DC.
8. Theodore D. Satterthwaite, S. N. Vandekar, Z. Shehzad, **D. S. Bassett**, C. Craddock, D. H. Wolf, R.T. Shinohara, K. Ruparel, M. A. Elliott, M. E. Calkins, R. C. Gur, M. Millham, R. E. Gur. Connectome-wide association study reveals multifocal patterns of dysconnectivity in youth with psychosis-spectrum symptoms. American College of Neuropsychopharmacology. December 7-11, 2014. Phoenix, Arizona.
9. Theodore D. Satterthwaite, S. N. Vandekar, Z. Shehzad, **D. S. Bassett**, C. Craddock, D. H. Wolf, R.T. Shinohara, K. Ruparel, M. A. Elliott, M. E. Calkins, R. C. Gur, M. Millham, R. E. Gur. Connectome-wide association study reveals multifocal patterns of dysconnectivity in youth with psychosis-spectrum

symptoms. Fourth Biennial Conference on Resting State / Brain Connectivity. September 11-13, 2014. Cambridge, Massachusetts.

10. Theodore D. Satterthwaite, Joseph W. Kable, Lillie Vandekar, Natalie Katchmar, Claudia F. Baldassano, **Danielle S. Bassett**, Kosha Ruparel, Mark A. Elliott, Ellen Leibenluft, Ruben C. Gur, Raquel E. Gur, Christos Davatzikos, Yvette I. Sheline, Michael E. Thase, & Daniel H. Wolf. Common and Dissociable Abnormalities of the Valuation System in Unipolar and Bipolar Depression. Society of Biological Psychiatry. May 8-10, 2014. New York, New York.

11. Qiang Chen, **Danielle S. Bassett**, Roberta Rasetti, Joseph H. Callicott, Venkata S. Mattay, Daniel R. Weinberger. Altered Graph Theory Measures of Brain Networks in Patients with Schizophrenia: Potential Intermediate Phenotypes. Society of Biological Psychiatry. May 8-10, 2014. New York, New York.

12. Yuming Huang, **Danielle S. Bassett**, Karen E. Daniels. A community detection method for force chain network identification in 3D granular systems. PASI on Frontiers in Particulate Media: From Fundamentals to Applications. August 11-22, 2014. La Plata, Argentina.

13. Theodore D. Satterthwaite, **Danielle S. Bassett**, Matthew Weber, Brian Avants, Cook, Michael Millham, Yvette Sheline. American College of Neuropsychopharmacology. December 7-11, 2014. Phoenix, Arizona.

14. **Danielle S. Bassett**, Eli Owens, Mason Porter, Lisa Manning, Karen Daniels. A Community-Detection Method for Extracting Force Chain Architectures. 2014 Granular Gordon Conference on Granular and Granular-Fluid Flow. July 2014. Easton, MA.

15. John Medaglia, Fabio Pasqualetti, Danielle S. Bassett. Grounding cognitive and brain reserve in network control theory. SfN Translational Neuroscience Conference. November 2014. Arlington, VA.

16. John Medaglia, Fabio Pasqualetti, Danielle S. Bassett. Grounding cognitive and brain reserve in network control theory. International Neuropsychological Society conference. February 2015. Denver, CO.

17. John Medaglia, Roy Hamilton, Sharon Thompson-Schill, Shi Gu, Danielle S. Bassett. Network control theory as a mediator of transcranial magnetic stimulation effects. American Academy of Neurology. April 18-25, 2015. Washington, DC.

18. Sarah Muldoon, Jean Vettel, Danielle S. Bassett. Uncovering structural drivers of dynamic functional brain networks. Dynamics Days. January 9-11, 2015. Houston, TX.

19. Sarah Muldoon, Jean Vettel, Danielle S. Bassett. Stimulation reveals structural drivers of dynamic brain reorganization. American Physical Society. March 2-6, 2015. San Antonio, TX.

20. Danielle S. Bassett, Sarah Muldoon, Eric Bridgeford. Small-World Propensity: A novel statistic to quantify weighted networks. American Physical Society. March 2-6, 2015. San Antonio, TX.

21. Chad Giusti, Eli Owens, Karen Daniels, Danielle Bassett. Community-local homology of force chains in granular materials. American Physical Society. March 2-6, 2015. San Antonio, TX.

22. Sijia Zhang, Danielle S. Bassett, Beth Winkelstein. Using dynamic community detection to map collagen fiber network reorganization during tensile loading of the human facet capsular ligament. Summer Biomechanics, Bioengineering and Biotransport Conference. June 17-20, 2015, Snowbird Resort, UT.

PEER REVIEW PROCESS:

Reviewer for 34 journals: American Journal of Psychiatry, Behavioral Brain Research, Biological Psychiatry, Brain, Brain Structure and Function, Cerebral Cortex, Clinical NeuroImage, Frontiers in Human Neuroscience, Frontiers in Systems Neuroscience, Human Brain Mapping, Journal of Neurophysiology, Journal of Neuroscience, Journal of Neuroscience Methods, Journal of Royal Society Interface, Lancet Neurology, Nature, Nature Communications, Nature Neuroscience, Network Science, NeuroImage, Neuroinformatics, Neuron, New England Journal of Medicine, Nonlinearity, PLoS Computational Biology, PLoS One, Physica D, Physical Letters A, Physical Review Letters, Proceedings of the National Academy of Sciences (PNAS), Schizophrenia Bulletin, SIAM Review, Transactions on Biomedical Engineering, Trends in Cognitive Science (TICS)

Guest Editor: Proceedings of the National Academy of Sciences (PNAS), PLoS Computational Biology

Editor: Journal of Complex Networks (Oxford University Press; inaugural editorial team), Computational Psychiatry (MIT Press; inaugural editorial board), Frontiers in Physics, Frontiers in Physiology

PUBLICATIONS:

(h-Index of 23, >4600 citations; <http://scholar.google.com/citations?hl=en&user=siYpAPsAAAAJ>)

Submitted (12)

John D. Medaglia, Mary-Ellen Lynall, **Danielle S. Bassett**. Cognitive Network Neuroscience. Submitted.

Urs Braun, Axel Schaefer, Henrik Walter, Susanne Erk, Nina Romanczuk-Seiferth, Leila Haddad, Janina Schweiger, Oliver Grimm, Andreas Heinz, Heike Tost, Andreas Meyer-Lindenberg, **Danielle S. Bassett**. Dynamic Reconfiguration of Frontal Brain Networks During Executive Cognition in Humans. Submitted.

John D. Medaglia, Fabio Pasqualetti, Roy Hamilton, Sharon Thompson-Schill & **Danielle S. Bassett**. The Utility of Dynamic Network Theory in Understanding Brain and Cognitive Reserve. Submitted.

Urs Braun, Sarah F. Muldoon, Danielle S. Bassett. On Human Brain Networks in Health and Disease. Submitted to Wiley's eLS as invited review, 2014.

Theodore D. Satterthwaite, Joseph W. Kable, Lillie Vandekar, Natalie Katchmar, **Danielle S. Bassett**, Claudia F. Baldassano, Kosha Ruparel, Mark A. Elliott, Yvette I. Sheline, Ruben C. Gur, Raquel E. Gur, Christos Davatzikos, Ellen Leibenluft, Michael E. Thase, Daniel H. Wolf. Common and Dissociable Dysfunction of the Value System in Bipolar and Unipolar Depression. Submitted.

Fabian Soto, **Danielle S. Bassett**, F. Gregory Ashby. Dissociable changes in functional network topology underlie early category learning and development of automaticity. Submitted. To appear on arXiv shortly.

Danielle S. Bassett, Eli T. Owens, Mason A. Porter, M. Lisa Manning, Karen E. Daniels. Extraction of Force-Chain Network Architecture in Granular Materials Using Community Detection. Submitted. To appear on arXiv 8/19/2014.

Ankit Khambhati, Brian Litt, **Danielle S. Bassett**. Dynamic network drivers of seizure generation, propagation and termination in human epilepsy. Submitted. arXiv 1407.5105.

Petko Bogdanov, Nazli Dereli, **Danielle S. Bassett**, Scott T. Grafton, Ambuj K. Singh. Learning about Learning: Human Brain Sub-Network Biomarkers in fMRI Data. Submitted. arXiv 1407.5590.

Shi Gu, Fabio Pasqualetti, Matthew Cieslak, Scott T. Grafton, **Danielle S. Bassett**. Controllability of Brain Networks. Submitted. arXiv 1406.5197.

Danielle S. Bassett, Muzhi Yang, Nicholas F. Wymbs, Scott T. Grafton. Learning-Induced Autonomy of Sensorimotor Systems. In Revision at Nature Neuroscience.

Brent G. Nelson, **Danielle S. Bassett**, Jazmin Camchong, Edward T. Bullmore, Kelvin O. Lim
Comparison of Large-Scale Human Brain Functional and Anatomical Networks in Schizophrenia.
Submitted to Biological Psychiatry.

Post-publication: (53)

Journal Articles:

Elizabeth N. Davison, Kimberly J. Schlesinger, **Danielle S. Bassett**, Mary-Ellen Lynall, Michael B. Miller, Scott T. Grafton, Jean M. Carlson. Brain Network Adaptability Across Task States. In Press. PLoS CB.

Urs Braun, Sarah F. Muldoon, **Danielle S. Bassett**. On Human Brain Networks in Health and Disease. Wiley's eLS invited review, 2014.

Christian Lohse, **Danielle S. Bassett**, Kelvin O. Lim, Jean M. Carlson. Resolving Structure in Human Brain Organization: Identifying Mesoscale Organization in Weighted Network Representations. In press at PLoS Comp Biol.

Michael W. Cole, **Danielle S. Bassett**, Jonathan D. Power, Todd S. Braver, Steven E. Petersen. Intrinsic and task-evoked network architectures of the human brain. In Press at Neuron.

Ann M. Hermundstad, Kevin S. Brown, **Danielle S. Bassett**, Elissa M. Aminoff, Amy Frithsen, Arianne Johnson, Christine M. Tipper, Michael B. Miller, Scott T. Grafton, and Jean M. Carlson. Structurally-constrained relationships between cognitive states in the human brain. PLoS Comp Biol. In Press.

Mary L Arcila, Marion Betizeau, Xiaolu A Cambronne, Elmer Guzman, Nathalie Doerflinger, Frantz Bouhallier, Hongjun Zhou, Bian Wu, Neha Rani, **Danielle S. Bassett**, Ugo Borello, Cyril Huissoud, Richard H Goodman, Colette Dehay, Kenneth S Kosik. Novel primate miRNAs co-evolved with ancient target genes in germinal zone specific expression patterns. Neuron, 2014, In Press.

Florian Klimm, **Danielle S. Bassett**, Jean M. Carlson, Peter J. Mucha. Resolving structural variability in network models and the brain (2014) PLoS Comp Biol. In Press.

Jean M. Carlson, David L. Alderson, Sean P. Stromberg, **Danielle S. Bassett**, Emily M. Craparo, Francisco Gutierrez-Villarreal, Thomas Otani. Measuring and modeling behavioral decision dynamics in collective evacuation (2014) PLoS One. In Press.

Christine M. Henzler, Zhonghan Li, Jason Dang, Mary Luz Arcila, Hongjun Zhou, Jingya Liu, Kung-Yen Chang, **Danielle S. Bassett**, Tariq M. Rana, Kenneth S. Kosik. Phased miRNA Re-regulation patterns during reprogramming. Genome Biology. In Press.

Danielle S. Bassett, Nicholas F. Wymbs, Mason A. Porter, Peter J. Mucha, Scott T. Grafton. Cross-linked structure of network evolution. Chaos. In Press. arXiv:1306.5479.

Danielle S. Bassett, Nicholas F. Wymbs, M. Puck Rombach, Mason A. Porter, Peter J. Mucha, Scott T. Grafton. Task-based core-periphery organization of human brain dynamics. PLoS Comp Biol, 2013, 9(9): e1003171.

Felix Siebenhuhner, Shennan A. Weiss, Richard Coppola, Daniel R. Weinberger, **Danielle S. Bassett**. Intra- and inter-frequency brain network structure in health and schizophrenia. PLoS ONE, 2013, 8(8): e72351.

Ann M. Hermundstad, **Danielle S. Bassett**, Kevin S. Brown, Elissa M. Aminoff, David Clewett, Scott Freeman, Amy Frithsen, Arianne Johnson, Christine Tipper, Michael B. Miller, Scott T. Grafton, Jean M. Carlson. Structural foundations of resting-state and task-based neural activity in the human brain. *PNAS*, 2013, 110(15):6169-74.

Danielle S. Bassett, Mason A. Porter, Nicholas F. Wymbs, Scott T. Grafton, Jean M. Carlson, Peter J. Mucha. Robust detection of dynamic community structure in networks. *Chaos*, 2013, 23(1):013142.

Alexander V. Mantzaris, **Danielle S. Bassett**, Nicholas F. Wymbs, Ernesto Estrada, Mason A. Porter, Peter J. Mucha, Scott T. Grafton, Desmond J. Higham. Dynamic network centrality summarizes learning in the human brain. *The Journal of Complex Networks*, 2013, 1(1):83-92.

Karl W. Doron, **Danielle S. Bassett**, Michael S. Gazzaniga. Dynamic network structure of interhemispheric coordination. *PNAS*, 2012, 109(46):18661-8.

Danielle S. Bassett, David L. Alderson, Jean M. Carlson. Collective decision dynamics in the presence of external drivers. *Phys. Rev. E.*, 2012, 86:036105.

Danielle S. Bassett, Eli T. Owens, Karen E. Daniels, Mason A. Porter. The influence of network topology on sound propagation in granular materials. *Phys. Rev. E.*, 2012, 86:041306.

Nicholas F. Wymbs, **Danielle S. Bassett**, Peter J. Mucha, Mason A. Porter and Scott T. Grafton. Motor chunking is correlated with activation of the human sensorimotor putamen. *Neuron*, 2012, 74(5):936-46.

Cecilia Conaco, **Danielle S. Bassett**, Hongjun Zhou, Mary Luz Arcila, Sandie M. Degnan, Bernard M. Degnan, Kenneth S. Kosik. Functionalization of a proto-synaptic gene expression network. *PNAS*, 2012, 109 Suppl 1:10612-8.

Danielle S. Bassett, Brent G. Nelson, Bryon A. Mueller, Jazmin Camchong, Kelvin O. Lim. Altered resting state complexity in schizophrenia. *NeuroImage*, 2012, 59(3):2196-207.

Shennan Aibel Weiss, **Danielle S. Bassett**, Daniel Rubinstein, Tom Holroyd, Jose Apud, Dwight Dickinson, Richard Coppola. Functional brain network characterization and adaptivity during task practice in healthy volunteers and people with schizophrenia. *Front. Hum. Neurosci.*, 2011, 5:81.

Ann M. Hermundstad, Kevin Brown, **Danielle S. Bassett**, Jean M. Carlson. Learning, memory and the role of neural network architecture. *PloS Comp Biol*, 2011, 7(6):e1002063.

Danielle S. Bassett, Nicholas Wymbs, Mason Alexander Porter, Peter Mucha, Jean M. Carlson, Scott T. Grafton. Dynamic reconfiguration of human brain networks during learning. *PNAS*, 2011, 108(18):7641-6.

Danielle S. Bassett, Michael S. Gazzaniga. Understanding complexity in the human brain. *Trends in Cognitive Sciences*, 2011, 15(5):200-9.

Alex Fornito, Andrew Zalesky, **Danielle S. Bassett**, David Meunier, Ian Ellison-Wright, Murat Yucel, Stephen Wood, Karen Shaw, Jennifer O'Connor, Deborah Nertney, Bryan Mowry, Christos Pantelis, Edward T. Bullmore. Genetic influences on cost-efficient organization of human cortical functional networks. *J Neurosci*, 2011, 31(9):3261-3270.

Edward T. Bullmore, **Danielle S. Bassett**. Brain graphs: graphical models of the human brain connectome. *AR Clinical Psychology*, 2011, 7:113-40.

Danielle S. Bassett, Jesse A. Brown, Vibhas Deshpande, Jean M. Carlson, Scott A. Grafton. Conserved and variable architecture of human white matter connectivity. *NeuroImage*, 2011, 54(2):1262-1279.

Mary-Ellen Lynall, **Danielle S. Bassett**, Peter J. McKenna, Manfred Kitzbichler, Ulrich Muller, and Edward T. Bullmore. Functional connectivity and brain networks in schizophrenia. *J Neurosci*, 2010, 30(28):9477-9487.

Danielle S. Bassett, Daniel L. Greenfield, Andreas Meyer-Lindenberg, Daniel R. Weinberger, Simon W. Moore, Edward T. Bullmore. Efficient physical embedding of topologically complex information processing networks in brains and computer circuits. *PLoS Comp Biol*, 2010, 6(4):e1000748.

Danielle S. Bassett, Edward T. Bullmore, Andreas Meyer-Lindenberg, Jose A. Apud, Daniel R. Weinberger, Richard Coppola. Cognitive fitness of cost-efficient brain functional networks. *Proc Natl Acad Sci U S A*, 2009, 106(28):11747-52

Danielle S. Bassett, Edward T. Bullmore. Human brain networks in health and disease. *Curr Opin Neurol*, 2009, 22(4):340-7.

Lorena Deuker, Edward T. Bullmore, Marie Smith, Soren Christensen, Pradeep J. Nathan, Brigitte Rockstroh, **Danielle S. Bassett**. Reproducibility of graph metrics of human brain functional networks. *NeuroImage*, 2009, 47(4):1460-8.

Edward Bullmore, Anna Barnes, **Danielle S. Bassett**, Alex Fornito, Manfred Kitzbichler, David Meunier, John Suckling. Generic aspects of complexity in brain imaging data and other biological systems. *NeuroImage*, 2009, 47(3):1125-34.

Danielle S. Bassett, Edward Bullmore, Beth A. Verchinski, Venkata S. Mattay, Daniel R. Weinberger, Andreas Meyer-Lindenberg. Hierarchical organization of human cortical networks in health and schizophrenia. *J Neurosci*, 2008, 28(37):9239-48.

Sophie Achard, **Danielle S. Bassett**, Andreas Meyer-Lindenberg, Ed Bullmore. Fractal connectivity of long memory networks. *Physical Review E*, 2008, 77:036104.

Jason L. Stein, Lisa M. Wiedholz, **Danielle S. Bassett**, Daniel R. Weinberger, Caroline Zink, Venkata S. Mattay, Andreas Meyer-Lindenberg. A validated network of effective amygdala connectivity. *NeuroImage*, 2007, 36(3):736-745.

Caroline F. Zink, Yunxia Tong, Qiang Chen, **Danielle S. Bassett**, Andreas Meyer-Lindenberg. Know your place: Neural processing of stable and unstable social hierarchy in humans. *Neuron*, 2008, 58:273-283.

Danielle S. Bassett, Andreas Meyer-Lindenberg, Sophie Achard, Thomas Duke, and Edward Bullmore. Adaptive reconfiguration of fractal small-world human brain functional networks. *Proc Natl Acad Sci U S A*, 2006, 103(51):19518-19523.

Danielle S. Bassett and Edward T. Bullmore. Small-world brain networks. *The Neuroscientist*, 2006, 12:512-523.

Samantha J Richerson, PhD, Mark Ingram, **Danielle Perry**, Mark Stecker MD PHD. Classification of the extracellular fields produced by activated neural structures. *BioMedical Engineering OnLine*, 2005, 4:53.

Book Chapters:

Danielle S. Bassett & Mary-Ellen Lynall. Network methods to characterize brain structure and function. In "Cognitive neurosciences: The biology of the mind (Fifth Edition)" edited by Michael Gazzaniga, Richard B. Ivry, George R. Mangun. In Press.

Danielle S. Bassett & Felix Siebenhüner. Multiscale network organization in the human brain. In . 'Multiscale analysis and nonlinear dynamics: From genes to the brain'. Wiley, 2013.

Danielle S. Bassett, Edward T. Bullmore. Brain anatomy and small-world networks. In ‘Network approaches to diseases of the brain: Clinical applications in neurology and psychiatry’. Bentham, 2011.

Andreas Meyer-Lindenberg and **Danielle S. Bassett**. Nonlinear and cooperative dynamics in the human brain: Evidence from multimodal neuroimaging. In ‘Coordination: Neural, behavioral and social dynamics’, Complexity Program Series: ‘Understanding Complex Systems’. Springer, 2006.

Book Reviews:

Danielle S. Bassett, Felix Siebenhühner. Spinning a mental web. Front Hum Neurosci, 2011, 5:141.

Academic Commentary:

Mika Rubinov, **Danielle S. Bassett**. Emerging evidence of connectomic abnormalities in schizophrenia. J Neurosci, 2011, 31(17):6263-6265.

Conference Proceedings and Teaching Material:

Ann M. Hermundstad, Kevin S. Brown, **Danielle S. Bassett** and Jean M. Carlson. Architectural constraints on learning and memory function. BMC Neuroscience, 2011, 12(Suppl 1):P31.

Ann M. Hermundstad, Kevin Brown, **Danielle S. Bassett**, Jean M. Carlson. Structural drivers of function in information processing networks. Appearing in the Proceedings of the Forty-Fifth Asilomar Conference on Signals, Systems, and Computers, 2012.

Danielle S. Bassett. Clinical applications of complex network analysis. Society for Neuroscience Short Course,
http://www.sfn.org/siteobjects/published/0000BDF20016F63800FD712C30FA42DD/205A577D83CA869B26F16CADE6373874/file/SC3_2010_Bassett.pdf.

Jean M. Vettel, **Danielle S. Bassett**, Reuben Kraft, Scott T. Grafton. Physics-based models of brain structure connectivity informed by diffusion weighted imaging. Army Science Conference,
<http://www.armyscienceconference.com/manuscripts/R/RP-006.pdf>.

OUTREACH & SERVICE

EXTERNAL ACADEMIC SERVICE:

Co-Organized SIAM Featured Minisymposium “Applications of Algebraic Topology to Neuroscience”	2015
Program Committee Member: SIAM Workshop on Network Science	2015
Organized NSF Workshop on Quantitative Theories of Learning, Memory, and Prediction (Co-organizers: William Bialek and Nancy Kopell) Program Support: Betty Tuller and Krastan Blagoev	2014
SIAG-DS Advisory Committee	2014-2015
Co-organized Sage JRF Workshop on Network Science for April, 2013	2013
Co-edited special issue of Computational & Mathematical Methods in Medicine	2012
Winston Churchill Scholarship Screening Committee	2011-2012
Sage Center for the Mind, UCSB, website assistant	2011-present
KITP mini-symposium, organizational assistant	2010-2011
International Hospitality Volunteer, Pennsylvania State University	2002-2004
Habitat for Humanity	2000

INTERNAL ACADEMIC SERVICE:

Graduate Admissions Committee for Bioengineering at Penn 2013-2014

POSITIONS AND ORGANIZATIONS:

Founder and Director of Penn's Network Visualization Program 2014-present
Faculty Co-advisor for Society of Women Engineers 2013-present
Adopt-a-Physicist Volunteer 2009-present

PRESENTATIONS AND EVENTS:

Spoke to Penn's freshman BE students about career paths, & work-life balance Sept 19, 2013
Participated in Penn's Advancing Women in Engineering Faculty Tea Oct 18, 2013
Participated in Penn's Highschool Shadowing Day as co-advisor of the Society Oct 21, 2013
For Women Engineers
Spoke at Penn's CCN Workshop on the Faculty Job Search Nov 18, 2014
Spoke to underrepresented minorities (McNair Fellows at Depaul University) Dec 4, 2013
Spoke to Penn's BE graduate students about career path and research Jan 13, 2014
Spoke to homeschooled high school students at Open Connections Jan 14, 2014
Spoke at Penn Career Services's "Faculty Conversations: Preparing For Feb 6, 2014
Campus Interviews For Academic Jobs – Science, Mathematics
And Engineering"
Spoke at RIT about career paths to students who had not yet selected a major Feb 20, 2014
Spoke at Bayonne NJ Public Highschool about career path and research March 18, 2014
Spoke at Penn's SEAS Faculty Interview Process Workshop March 21, 2014
Spoke at Penn Children's Center to 18-36 month olds about neuroscience May 6, 2014
Spoke at Penn's STSS on Network Science July 10, 2014
Participated in Penn's NGG Student-Faculty Lunch July 9, 2014
Spoke at Women in Computer Science Residential: Dinner Discussion Oct 17, 2014