

**CHEN Shizhe**

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CONTACT INFORMATION Department of Statistics  
Columbia University  
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EDUCATION **University of Washington**, Seattle, WA, USA

M.S. in Biostatistics, June 2015  
Ph.D. in Biostatistics August 2016

**Department of Biostatistics**

Advisor: Ali Shojaie, Ph.D. and Daniela Witten, Ph.D.

**Peking University**, Beijing, P.R.China

B.S. in Statistics July 2011  
**Yuanpei College**

B.A. in Economics (Double Major) July 2011  
**National School of Development**

RESEARCH INTEREST High-dimensional Statistics, Graphical Models, Neuroscience

RESEARCH EXPERIENCE **Department of Statistics, Columbia University**, New York, NY, U.S.A.

*Postdoctoral Research Scientist* Sept. 2016 to present  
Statistical methods in computational neuroscience.  
Supervisor: Liam Paninski, Ph.D. and John P. Cunningham, Ph.D.

**Department of Biostatistics, University of Washington**, Seattle, WA, U.S.A.

*Research Assistant* Sept. 2013 to present  
Graphical modeling in high dimensions.  
Supervisor: Ali Shojaie, Ph.D. and Daniela Witten, Ph.D.

*Research Assistant* Sept. 2011 to Sept. 2012  
Statistical methods in medical cost analysis.  
Supervisor: Xiao-Hua Andrew Zhou, Ph.D.

Vaccine Immunology Statistics Center, **Fred Hutchinson Cancer Research Center**, Seattle, WA, U.S.A.

*Research Assistant* Sept. 2012 to Sept. 2013  
Inter-lab calibration of biomarker data subjected to random censoring.  
Supervisor: Yunda Huang, Ph.D. and Xiao-hua Andrew Zhou, Ph.D.

**National School of Development, Peking University**, Beijing, P.R.China

*Research Assistant* Oct. 2009 to Dec. 2010  
Investigation of influence of three major health care systems in China.  
Supervisor: Ling Li, Ph.D.

TEACHING EXPERIENCE	<b>Department of Biostatistics, University of Washington</b> , Seattle, WA, U.S.A.	
	<i>Teaching Assistant</i>	Jan. 2014 to March 2014
	Medical Biometry II Supervisor: Lurdes Inoue, Ph.D.	
	<i>Teaching Assistant</i>	July 2015
	Summer Institute for Statistics of Big Data Supervisor: Noah Simon, Ph.D. and Daniela Witten, Ph.D.	
HONORS	<i>Wu-si</i> Scholarship, Peking University	2009
	POSCO Asia Fellowship, Peking University	2010
	Outstanding Graduate of Peking University	2011
	Axio Award, Department of Biostatistics, University of Washington	2011
	Student Excellence Award, Department of Biostatistics, Univ. of Washington	2011
PUBLICATIONS	<b>Statistical Theory and Methods:</b>	
	<b>Shizhe Chen</b> , Daniela M. Witten, and Ali Shojaie. Nearly assumptionless screening for the mutually-exciting multivariate Hawkes process. (submitted).	
	<b>Shizhe Chen</b> , Ali Shojaie, Eric Shea-Brown, and Daniela M. Witten. The multivariate Hawkes process in high dimensions: beyond mutual excitation. (in preparation).	
	Linbo Wang, <b>Shizhe Chen</b> , and Ali Shojaie. Discussion on “causal inference by using invariant prediction: identification and confidence intervals”. <i>Journal of the Royal Statistical Society - Series B (to appear)</i> , 2016+.	
	<b>Shizhe Chen</b> , Ali Shojaie, and Daniela M. Witten. Network reconstruction from high-dimensional ordinary differential equations. <i>Journal of the American Statistical Association (to appear)</i> , 2016+.	
	<b>Shizhe Chen</b> , Daniela M. Witten, and Ali Shojaie. Selection and estimation for mixed graphical models. <i>Biometrika</i> , 102(1):47–64, 2015.	
PRESENTATIONS	WNAR/IMS conference, University of Hawaii, Honolulu, HI, USA (June 2014)	
	Joint Statistical Meetings, Boston, MA, USA (August 2014)	
	Joint Statistical Meetings, Seattle, WA, USA (August 2015)	
	ICSA Applied Statistics Symposium, Atlanta, GA (June 2016) ( <i>invited</i> )	
	Joint Statistical Meetings, Chicago, IL, USA (August 2016)	
	Seminar, the Informatics Institute, University of Florida, Gainesville, FL, USA (August 2016) ( <i>invited</i> )	
PROFESSIONAL SERVICE	<b>Referee Service:</b>	
	Journal of the American Statistical Association	
	<b>University Service:</b>	
	Student-Faculty relationships committee, Department of Biostatistics, University of Washington	
		2013 to 2014
WORKSHOPS	<b>Summer Workshop on the Dynamic Brain</b> , Friday Harbor Laboratories, Friday Harbor, WA, U.S.A.	
		Aug. 2015
	<b>Challenges in Functional Connectivity Modeling and Analysis</b> , SAMSI,	

RTP, NC, U.S.A.

Apr. 2016

PROGRAMMING R, Python, Matlab, Mathematica, SAS, C, STATA, Java, and L<sup>A</sup>T<sub>E</sub>X  
LANGUAGES