



Eun Kyong SHIN

University of Tennessee Health Science Center
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ACADEMIC POSITION

Postdoctoral Fellow 2016-2019

School of Medicine, University of Tennessee Health Science Center

- Machine Learning and Artificial Intelligence, Social Epidemiology, Biomedical Informatics

Postdoctoral Research Scholar in the Faculty of Law 2015-2016

Columbia Law School

- Network Survey and Network Intervention Design

EDUCATION

Ph.D. Sociology 2015

Columbia University

The Morphology of Resistance: Korean Resistance Networks 1895-1945, Advisor: Peter Bearman

M.Phil. Sociology 2010

Columbia University

M.A. Sociology 2007

Korea University

2006, Visiting, University of Queensland, Australia, Dean's Commendation

B.A. Sociology 2004

Korea University, Magna Cum Laude, Early & Honored

SELECTED PUBLICATIONS

1. Shaban-Nejad A, Rishi K, **Shin EK**, Akbilgic O, "Health Intelligence" Book Chapter 6 in: Feng, DD. (ed) *Biomedical Information Technology 2nd Edition*, Academic Press, 2019 (Forthcoming)
2. Brenas JH, **Shin EK**, Shaban-Nejad A, "Adverse Childhood Experiences Ontology for Mental Health Surveillance, Research, and Evaluation: Advanced Knowledge Representation and Semantic Web Techniques," *JMIR Ment Health*, 2019;6(5):e13498
3. **Shin EK**, LeWinn K, Bush N, Tylavsky F, Davis R, Shaban-Nejad A, "Association of Maternal Social Relationships with Cognitive Development in Early Childhood," *JAMA Network*, 2019, 2(1). 1-9.
4. **Shin EK**, Mahajan R, Akbilgic O, Shaban-Nejad A, "Sociomarkers and Biomarkers: Predictive Modeling in Identifying Pediatric Asthma Patients at Risk of Hospital Revisiting," *Nature Digital Medicine*, 2018, 1(50). 1-5.

5. **Shin EK**, Shaban-Nejad, A, “Urban Decay and Pediatric Asthma Prevalence in Memphis, Tennessee: Urban Data Integration for Efficient Population Health Surveillance,” *IEEE Access*, 2018, 6:46281-46289.
6. **Shin EK**, Shaban-Nejad A, “Geo-distinctive Comorbidity Networks of Pediatric Asthma,” *Studies in health technology and informatics*, 2018, 247:436-440.
7. **Shin EK**, Shaban-Nejad A, “Public Health Intelligence and the Internet: Current State of the Art,” In: Shaban-Nejad A, Brownstein J, Buckeridge D. (eds) *Public Health Intelligence and the Internet. Lecture Notes in Social Networks*. Springer, Cham. 2017. 1-17.

GRANTS + FELLOWSHIPS + SCHOLARSHIPS + AWARDS

| | | |
|-----------|---|-------------------------------------|
| 2019 | Outstanding Postdoctoral Fellow Award | |
| | University of Tennessee Health Science Center | School of Medicine |
| 2019 | Marvin Zelen Memorial Symposium 3 rd Prize | Data Science in Biomedical Research |
| | Harvard Medical School | Dana-Farber Cancer Institute |
| 2019 | Future of Science Fund Scholarship | |
| | <i>Digital Health: From Science to Application</i> | Keystone Symposia |
| 2018 | Research Grant <i>Social Components of Health</i> | Co-Investigator |
| | Research Institute of Memphis | Children’s Foundation |
| 2018 | Travel Grant | UTHSC |
| 2017 | Travel Grant | SBP-BRiMS |
| 2015 | Summer Research Grant | Columbia University |
| 2014-2015 | Research Fellowship | INCITE, Columbia University |
| 2014 | Best Student Paper Award and Scholarship | AKSA |
| 2014 | Sydney Spivack Memorial Travel Grant | Columbia University |
| 2013 | Summer Teaching Fellowship | GSAS, Columbia University |
| 2012 | Sydney Spivack Memorial Travel Grant | Columbia University |
| 2012 | Matching Travel Grant | GSAS, Columbia University |
| 2011 | UKSNA Student Award and Fellowship | UKSNA |
| 2011 | Summer Travel Grant | ISERP, Columbia University |
| 2011 | Sydney Spivack Memorial Travel Grant | Columbia University |
| 2008-2012 | Summer Research Fellowship | GSAS, Columbia University |
| 2008 | Matching Travel Grant | GSAS, Columbia University |
| 2007-2014 | Lazarsfeld Fellowship | GSAS, Columbia University |
| 2007 | International Conference Travel Grant | Korea University |
| 2006 | Conference Travel Grant | Korea University |
| 2006 | Dean’s Commendation | University of Queensland |
| 2005-2006 | Student Scholarship | Korea University |
| 2003-2004 | High Honor Scholarship | Korea University |
| 2001-2004 | High Honor Award | Korea University |

ANALYTICAL SKILLS

Social Network Analysis (R, GEPHI, UCINET, NETMINER); Quantitative Analysis and Machine Learning (R, STATA, MATLAB); Geographic Information Analysis (R, TABLEAU)