

BRITTA GLENNON

PERSONAL DATA

H. John Heinz III College
Carnegie Mellon University
Hamburg Hall, 4800 Forbes Avenue, 3029
Pittsburgh PA

bglennon@cmu.edu
301-310-4468
brittaglennon.com

Citizenships: USA, UK, New Zealand
Languages: English (native), Mandarin Chinese (proficient)

EDUCATION

Carnegie Mellon University
Ph.D. in Public Policy and Management

Pittsburgh, PA
May 2019 (expected)

University of Chicago
Master of Public Policy

Chicago, IL
2013

Cornell University
Bachelor of Arts, Economics and East Asian Studies (Chinese)

Ithaca, NY
2008

Beijing Foreign Studies University (北京外国语大学)
IES Study Abroad Program

Beijing, China
Spring 2007

National Taiwan University (國立台灣大學)
International Chinese Language Program (ICLP)

Taipei, Taiwan
2010-2011

AWARDS AND HONORS

Finalist, INFORMS/Org Science Dissertation Proposal Competition 2018

ACADEMIC ARTICLES

Book Volumes

“The IT Revolution and the Globalization of R&D.”
with Lee Branstetter and J. Bradford Jensen. NBER *Innovation Policy and the Economy*. Volume 18
(2018). Josh Lerner and Scott Stern, editors. *Forthcoming*.

Media Mentions: Bloomberg, ScienceDaily, ZDNet, CIO Dive
VoxEU CEPR Policy Portal, 21 August 2018.

Working Papers

“How Do Restrictions on High-Skilled Immigration Affect Offshoring? Evidence from the H-1B Program”
(*Job Market Paper*)

“Does Offshoring Manufacturing Harm Innovation in the Home Country? Evidence from Taiwan and China”
with Lee Branstetter, Jong Rong Chen, Chih Hai Yang, and Nikolas Zolas

“Knowledge Transfer Abroad: The Role of US Inventors within Global R&D Networks.” NBER Working Paper
No. 24453. (submitted for publication)
with Lee Branstetter and J. Bradford Jensen

“Money for Something: The Link between Research Funding and Innovation” (R&R at Research Policy)
with Julia Lane and Ridhima Sodhi

Policy Reports

“The Importance of doing our BIT: The Economic Potential of a U.S.- China Bilateral Investment Treaty” with Lee Branstetter and J. Bradford Jensen. Chapter 10 in Posen, A. and Ha, J., (eds.), U.S.-China Cooperation in a Changing Global Economy, Peterson Institute Policy Brief 17-1, January 2017.

PRESENTATIONS AND WORKSHOPS

NBER Productivity Seminar <i>Presenter: “How do restrictions on high-skilled immigration affect multinational foreign affiliate activity?”</i>	October 2018
Academy of Management Annual Meeting <i>TIM Doctoral Consortium</i> <i>Presenter: “Does Offshoring Manufacturing Harm Innovation in the Home Country? Evidence from Taiwan and China”</i>	August 2018
Darden-Cambridge Judge-HKU FBE Entrepreneurship and Innovation Research Conference <i>Presenter: “Does Offshoring Manufacturing Harm Innovation in the Home Country? Evidence from Taiwan and China”</i>	May 2018
NBER Innovation Policy and the Economy <i>Presenter: “The IT Revolution and the Globalization of R&D”</i>	April 2018
Harvard Business School <i>Invited Seminar: “Does Offshoring Manufacturing Harm Innovation in the Home Country? Evidence from Taiwan and China”</i>	September 2017
6 th Lindau Meeting on Economic Sciences <i>Attendee & Presenter: Selected by Carnegie Mellon and ORAU as a US delegate. Funded by NSF.</i>	August 2017
Academy of Management Annual Meeting <i>Symposium Chair & Organizer: “The Globalization of Innovation”</i> <i>BPS Doctoral Consortium</i> <i>Presenter: “Knowledge transfer abroad: The role of US inventors within global R&D networks”</i>	August 2017
NBER Summer Institute Innovation Workshop <i>Presenter: “Does Offshoring Manufacturing Harm Innovation in the Home Country? Evidence from Taiwan and China”</i>	July 2017
Consortium for Competitiveness and Cooperation (CCC) <i>Presenter: “Knowledge transfer abroad: The role of US inventors within global R&D networks”</i>	March 2017
Midwest Economics Association <i>Presenter: “Does Offshoring Manufacturing Harm Innovation in the Home Country? Evidence from Taiwan and China”</i>	March 2017
NBER Digitization Tutorial <i>Attendee</i>	March 2017
Bureau of Economic Analysis <i>Invited Seminar: “The New Global Invention Machine: A Look Inside the R&D Networks of U.S. Multinationals”</i>	September 2016

NBER Entrepreneurship Research Boot Camp
Attendee

July 2015

National Central University (國立中央大學)

June 2014

Invited Seminar: "Does Offshoring Manufacturing Harm Innovation in the Home Country? Evidence from Taiwan and China"

TEACHING EXPERIENCE

PhD Microeconomics (graduate), Teaching Assistant
Heinz College, Carnegie Mellon University

Fall 2016, 2017

PhD Microeconomics (graduate), Tutor
Heinz College, Carnegie Mellon University

Fall 2014, 2015

PhD Econometrics I (graduate), Teaching Assistant
Heinz College, Carnegie Mellon University

Spring 2017

The Rise of the Asian Economies (undergraduate and graduate), Teaching Assistant
Heinz College, Carnegie Mellon University

Fall 2014-2016

Methods of Policy Analysis - International (undergraduate and graduate), Teaching Assistant
Heinz College, Carnegie Mellon University

Spring 2017, 2018

PROFESSIONAL EXPERIENCE

American Institutes for Research

Research Associate

Chicago, IL

Freelance research assistant

Apr-Aug 2013

Apr-Dec 2012

Taipei Economic and Cultural Office in Chicago, Cultural Division

Translation Assistant

Chicago, IL

Jan-Aug 2013

Berkman Center for Internet and Society at Harvard University

Intern for Professor Yochai Benkler

Cambridge, MA

June-Sept 2012

University of Chicago

Research Assistant for Professor Kerwin Charles

Chicago, IL

Research Assistant for Professor David Meltzer

June-Sept 2012

Mar-Dec 2012

National Opinion Research Center (NORC), University of Chicago

Graduate Research Assistant for Professor Dan Black

Chicago, IL

2011-2012

Plum Consulting

Analyst

London, UK

2008-2010

U.S. Bureau of Labor Statistics

Analyst, Division of Foreign Labor Statistics

Washington, D.C.

Program Analyst, Division of Management Systems

Summers 2007-2008

Summers 2006-2008

OTHER PUBLICATIONS

"Voice telephony services for deaf people." with David Lewin and Blanca Hoemburg. Ofcom. July 2009. <
http://stakeholders.ofcom.org.uk/market-data-research/telecoms-research/voice_telep/>.

"Assisted Living technologies for older and disabled people." with David Lewin, Stephen Adshead, Brian Williamson, Tim Moore, Leela Damodaran, Paul Hansell. Ofcom. March 2010. <
<http://stakeholders.ofcom.org.uk/market-data-research/technology-research/research/sector-studies/assisted/>>.

“The cost of capital in relation to broadcast transmission.” with Brian Williamson and Phillipa Marks. Office of the Adjudicator – Broadcast Transmission Services. July 2010. < <http://www.adjudicator-bts.org.uk/documents/plum.pdf> >.

Multiple articles for the Chicago Policy Review:

< <http://chicagopolicyreview.org/author/brittaglennon/> >

Multiple articles in the ICLP-NTU Chinese Language bulletin (in Mandarin Chinese):

<http://iclp.ntu.edu.tw/index.php?option=com_content&view=category&layout=blog&id=75&Itemid=85&lang=en >.

REFERENCES

Lee G. Branstetter
Carnegie Mellon University
Heinz College and Department of Social and
Decision Sciences
Hamburg 2222
Pittsburgh, PA 15213
412-268-4649
branstet@cmu.edu

Brian Kovak
Carnegie Mellon University
Heinz College
Hamburg 2208
Pittsburgh, PA 15213
412-268-5223
bkovak@cmu.edu

J. Bradford Jensen
Georgetown University
McDonough School of Business
329 Hariri Building
Washington, D.C. 20057
202-687-3767
jbj24@georgetown.edu

Erica R.H. Fuchs
Carnegie Mellon University
Department of Engineering and Public Policy
Baker Hall 131E
Pittsburgh, PA 15213
412-268-1877
erhf23@gmail.com

DISSERTATION ABSTRACT

Chapter 1: How Do Restrictions on High-Skilled Immigration Affect Offshoring? Evidence from the H-1B Program (Job Market Paper)

The decision to encourage or restrict high-skilled immigration has long been controversial. Advocates argue that high-skilled immigration is critical for firm competitiveness and innovation; critics argue that skilled immigrants displace native workers and drive down wages. The debate, however, has largely overlooked the secondary consequences of restrictions on high-skilled hiring of immigrants: multinational firms faced with decreased access to visas for skilled workers have an offshoring option, namely, hiring the foreign labor they need at their foreign affiliates. This paper documents the impact of restrictive high-skilled immigration policies on the globalization of high-skilled activity by US MNCs. I use a unique matched firm-level dataset of H-1B visas and multinational firm activity and two different identification strategies to examine three key questions about that impact. First, do restrictions on H-1B visas result in increased foreign affiliate activity? Second, how does any impact differ across firms, industries, and countries? Finally, do these restrictions also affect the location of innovative activity? Both strategies yield the same result: that restrictions on H-1B immigration caused increases in foreign affiliate activity at both the intensive (US multinationals employed more people at their foreign affiliates) and the extensive (US multinationals opened more foreign affiliates conducting R&D) margins.

Chapter 2: Does Offshoring Manufacturing Harm Innovation in the Home Country? Evidence from Taiwan and China (with Lee Branstetter, Jong Rong Chen, Chih Hai Yang, and Nikolas Zolas)

Policymakers, managers, management scholars, and economists have long debated the impact of the movement of manufacturing to low-wage developing countries on the innovative capacity of the offshoring firms and countries. On the one hand, offshoring can have a positive effect on home country innovation through efficiency gains and resource reallocation. On the other hand, separating the manufacturing and R&D functions of a firm could degrade the capacity of the firm to engage in some kinds of innovation. Empirical assessment of these conflicting hypotheses has been undermined by a lack of data as well as the endogeneity of changes in offshoring and changes in innovation. We shed light on this debate by studying the impact of Taiwanese high-tech companies' decisions to offshore manufacturing to mainland China on their patenting behavior. In particular, we exploit a policy shock in Taiwan in 2001 that lifted many of the restrictions that had prohibited Taiwanese companies from legally offshoring their manufacturing to China. The response of Taiwan's electronics and IT firms to this policy shock was rapid and substantial – a large fraction of these firms' manufacturing operations shifted to mainland China within just a few years. Using a unique and highly granular panel dataset, combined with a 2SLS estimation strategy that leverages this exogenous policy shock, we identify the causal relationship between offshoring and innovation, and find that offshoring has a negative impact on firm innovation as measured by patents.

Chapter 3: Knowledge Transfer Abroad: The Role of US Inventors Within Global R&D Networks (with Lee Branstetter and J. Bradford Jensen)

The location of US multinational foreign R&D has shifted significantly to include emerging markets in addition to traditional Western R&D hubs, resulting in two challenges for multinationals: (1) how to transfer knowledge across geographic distances, and (2) how to facilitate learning when local knowledge sources in given technological areas are inadequate. This paper argues that to overcome these challenges, multinationals utilize home country inventors on foreign affiliate inventor teams – and in particular on teams in locations with insufficiently specialized local knowledge stocks – to facilitate knowledge transfer. Empirical analysis of a comprehensive dataset of US multinational R&D and patenting activity provides robust support for this argument. The findings have important implications for understanding how countries can gain expertise in technical areas and how poor countries can escape the knowledge trap, and they provide insight into management of increasingly dispersed multinational global R&D networks, particularly in locations with relatively unspecialized local inventors.