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EMPLOYMENT

Associate Professor, Department of Economics, Queen's University, July 2019 to present.

Associate Professor, Queen's School of Policy Studies and Department of Economics, Queen's University, July 2010 to June 2019.

Associate Professor of Economics, NYU Shanghai, January 2015 to August 2019.

Project 985 Visiting Scholar, Institute of the Economics of Education, Beijing Normal University, 2013-2015.

Visiting Scholar, Department of Economics, Chinese University of Hong Kong, February 2011 to May 2011.

Visiting Scholar, Center for Labor Economics, University of California –Berkeley, September 2010 to January 2011.

Assistant Professor, School of Policy Studies and Department of Economics, Queen's University, July 2004 to June 2010.

Andrew W. Mellon Postdoctoral Fellow, Population Studies Center, University of Michigan, September 2002 to August 2004.

EDUCATION

Ph.D., Economics, University of Pittsburgh, Pittsburgh, USA, 2002.

B.A., Economics, Fudan University, Shanghai, China, 1996.

FIELDS OF INTEREST

Economics of Education

Public Economics

Health Economics

Rural Developments and Urban Transitions in China

PUBLICATIONS

Laboratory Experiments Can Pre-Design to Address Power and Selection Issues, forthcoming at *Journal of Economic Science Association*.

Can social scientists use molecular genetic data to explain individual differences and inform public policy? (with Steven F. Lehrer) chapter 9 in *Biophysical Measurement in Experimental Social Science Research: Theory and Practice*, edited by Gigi Foster, Elsevier Press, February 2019, 225-265.

Understanding how Postsecondary Student Choices Relate to Skills Shortage in Canada's ICT Sector (with Steven F. Lehrer) *Canadian Public Policy* Volume 44 Issue s1, December 2018, S30-S42.

What is the Future for Molecular Genetic Data in Public Policy? (with Steven F. Lehrer), *IZA World of Labor* available online at <https://wol.iza.org/articles/what-is-the-role-for-molecular-genetic-data-in-public-policy/long>, October 27, 2017.

Does "Shadow Education" Enlarge the inequality of Educational Outcomes? An Empirical Investigation Based on PISA 2012 from China, Japan and Korea, (with Yongmei Hu and Wenfeng Fan), *China Economics of Education Review*, September 2017, Vol. 2, No. 5, 43-71. ("影子教育" 会扩大教育结果不均等吗? --基于PISA 2012 数据的中国、日本、韩国比较研究, *教育经济评论*)

Are genetic markers of interest for economic research? (with Steven F. Lehrer), *IZA Journal of Labor Policy*, April 2017. Open access at <http://rdcu.be/rwn2>

Fertility Patterns and Household Finance in China, Chapter 13 in *Handbook on the Family and Marriage in China*, David Goodman and Xiaowei Zhang (eds.), Edward Elgar Publishing, 2017, 204-219.

Did "Shadow Education" Worsen Inequality in Educational Outcomes? ----An Empirical Investigation Based on PISA 2012 from Shanghai (with Yongmei Hu and Wenfeng Fan), *Peking University Education Review*, July 2015, Vol. 13, No. 3. ("影子教育"会扩大教育结果不均等吗? —基于 PISA2012 上海数据的经验研究 *北京大学教育评论*)

When a Son is Born: The Impact of Fertility Patterns on Family Finance in Rural China (with Yuan Zhang), *China Economic Review*, 2014, vol. 30, issue C, pages 192-208.

An Effective Way to Recruit and Promote Qualified Teachers----"Special Position" Teachers Could Be Far More Than Mere Replacements of Substitute Teachers in China (with Xuehui An), *Journal of The Chinese Society of Education*, December 2014.

(4). (中小学教师补充和优质教师选拔制度的有效途径——“特岗教师”远不是对代课教师的简单替代, *中国教育学刊*)

Accounting for Time-Varying Unobserved Ability Heterogeneity within Education Production Functions (with Steven Lehrer), *Economics of Education Review* Vol. 40, No. 1, June 2014, 55–75.

Should Substitute Teachers in China be Permanently Regulated or Temporarily Tolerated? -- Our Proposed Personnel Reform (with Xuehui An), *Educational Research*, No.7, 2011. (代课老师: 合理存在还是应该清退? —兼论代课老师规范管理制度, *教育评论*).

Experimental Estimates of the Impacts of Class Size on Test Scores: Robustness and Heterogeneity (with Steven Lehrer), *Education Economics*, Vol. 19, No. 3, July 2011, 229-252 (lead article).

Estimating Treatment Effects from Contaminated Multi-Period Education Experiments: The Dynamic Impacts of Class Size Reductions (with Steven Lehrer), *The Review of Economics and Statistics*, Volume 92, Issue 1, February 2010, pp. 31-42. NBER Working Paper #15200, August 2009.

The Impact of Poor Health on Academic Performance: New Evidence Using Genetic Markers (with S. Lehrer, J.N. Rosenquist & J. Audrain-McGovern), *Journal of Health Economics*, May 2009, Vol. 28, No. 3, Pages 578-597. NBER Working Papers #12304, June 2006.

Do Peers Affect Student Achievement in China's Secondary Schools? (with Steven Lehrer), *The Review of Economics and Statistics*, May 2007, Vol. 89, No. 2, Pages 300-312. NBER Working Papers #12305, June 2006.

The Interaction of Education and Housing Policies on Ghettoization of Urban China (with Yuan Zhang), *Economic Research Journal*, June 2009, Pages 28-39. (局部改革与公共政策效果的交互性和复杂性, *经济研究*)

Housing and Education Reform in Urban China: No Longer Separate and Increasingly Unequal (with Steven Lehrer), in *Economic Transitions with Chinese Characteristics: Social Change during Thirty Years of Reform* (edited by Arthur Sweetman and Jun Zhang), McGill-Queen's University Press, 2009, Pages 35-53.

Incentives and the Quality of Teachers and Schools (with Steven Lehrer), in *Education and Reform in China* (edited by Emily Hannum and Albert Park), Routledge Press, 2007, Pages 191-204.

Are equity and efficiency irreconcilable goals in education? A general equilibrium analysis of basic education finance in China (with Ming Lu), *Social Sciences in China* (China's top refereed general interest social science journal), Vol.156, 2005 – 6, Pages 47 – 57. (教育的公平与效率是鱼和熊掌吗? -基础教育财政的一般均衡分析, *中国社会科学*)

(This paper was later translated and selected into *Frontiers of Education in China*, April 2007, Vol. 2, No. 2, Pages 163-180, Higher Education Press co-published with Springer-Verlag GmbH. It has also been translated by a different party and appears in the English translation of *Social Sciences in China* published by Routledge Press).

Using Performance Incentives to Reward the Value Added of Educators: Theory and Evidence from China (with S. Lehrer), *World Economic Forum*, 2003, No. 5, Pages 1 – 23. Later awarded “Best Paper” of the same journal 2002-2004.

ONLINE REFEREED PUBLICATION IN KNOWLEDGE TRANSLATION JOURNAL

Why the Epidemic of New Corona Virus Might Have Rather Limited Impact on China's Economy (为何新冠病毒疫情可能对中国的经济影响相当有限? Commissioned Article Predicting the Impact of Covid 19 on Chinese Economy), published in Intellectuals (《知识分子》) on 1/31/2020.

The 2016 Prize in Economics Recognizes Economists' Relentless Investigation of Organizational Dynamics. (2016 诺贝尔经济学奖肯定经济学家对人类组织关系的不懈探索-Commissioned Article Interpreting the 2016 Nobel Prize in Economics), published in Intellectuals (《知识分子》) on 10/27/2016.

How Does Robbing the Poor to Give to the Destitute Promote Equality in Education? (劫贫济穷如何促进教育公平? -Article Analyzing the Perverse Incentives Created by Recent Changes to the College Admissions Process in China) published in Intellectuals (《知识分子》) on 5/15/2016.

An Expert in Inequality, Should He Take the Prize Alone? (研究不平等的大师, 凭什么一个人摘走了诺贝尔经济学奖? -Article on the Achievement of 2015 Nobel Laureate in Economics Angus Deaton and the Lessons for Researchers on China), published in Intellectuals (《知识分子》) on 10/13/2015. See t.cn/Ryu4QSE.

Book Review of “The Welfare Economics of Public Policy: A Practical Approach to Project and Policy Evaluation”, by Richard E. Just, Darrell L. Hueth and Andrew Schmitz, Edward Elgar Publishing, 2004. *Journal of Comparative Policy Analysis*, Vol. 8, No. 2, 203 – 204, June 2006.

WORKING PAPERS

Estimating Context-Independent Treatment Effects in Education Experiments (with Steven Lehrer), in final preparation for submission by request of co-editor.

Closing the Gender Gap in Science: New Evidence from China (with Yipeng Tang and Yongmei Hu), revised.

Does Shadow Education Sector Exacerbate Inequality of Educational Outcomes? (with Yongmei Hu and Wenfeng Fan), submitted

Anticipating the (Un)expected: Evidence from Introducing a Universal Child Care Policy with a Shortage of Spaces (with Mike Kottelenberg and Steven Lehrer), under review.

Identification in multi-period experiments with period-specific compliance (with Steven Lehrer), in final preparation for submission.

Assessing the Hype of Machine Learning for Causal Inference (with Steven Lehrer and Tian Xie)

Changed Parenting Practices: between Increased Input into Childcare and Worsened Outcomes for Children (with Mike Kottelenberg and Steven Lehrer).

RESEARCH IN PROGRESS

Economic Transition and K-12 Education Reform in China, a literature review.

Let's take the con out of genomic applications using polygenic risk scores (w. D. Cesarini and S. Lehrer)

The Effect of School Assignment Rule Change on Neighbourhood Sorting in Urban China.

The Long Term Impacts of Selective Schools on Academic Outcomes in China.

Against Income Shocks? A New Interpretation of the Role of Informal Financial Coalitions (with Yuan Zhang)

The Impact of Unexpected income on Retirement Savings: New Evidence from Canada (with C. Riddell)

On and Off the Path to Addiction: How Important are Neurotransmitter Receptors? (with S. Lehrer, J.N. Rosenquist & J. Audrain-McGovern)

Promotion, Seniority and Incentives in Teachers' Compensation Schemes

The Big Data Revolution in Health Economics in preparation for a chapter in *Big Data Concepts, Theories and Applications*, Shui Yu and Song Guo (eds.), Springer.

Rethinking Baby Bonuses: New Evidence on Divorce, Fertility and Family Formation from Taiwanese Registries (with Stacey Chen)

How Does Party Membership Affect Promotions in China?

EXTERNAL GRANTS (PI-Only)

“*Less Than Ideal Education Experiments: New Strategies to Analyze Data from Randomized Experiments in Education*” (2019-2022). Insight Research Grants, Social Sciences and Humanities Research Council of Canada, Co-Principal Investigator.

“*School Assignment Rule Change and Residential Sorting in Urban China*” (2007-2011). Standard Research Grants, Social Sciences and Humanities Research Council of Canada, Principal Investigator.

“*Urban Segregation and Education Reform in China*” (2006-2008). Spencer Foundation, Principal Investigator.

ACADEMIC AWARDS

Invited Visitor, Excellence Cluster, ECONtribute: Markets & Public Policy, University of Bonn, 2019

Project 985 Visiting Scholar, Beijing Normal University (2013-2015)

World Economic Forum Best Paper Award (2002-2004)

Andrew W. Mellon Postdoctoral Fellowship, University of Michigan (2002-2004)

Chancellor's Graduate Fellowship, University of Pittsburgh (2001-02, 2000-01)

Reuben Slesinger Graduate Student Paper Award, University of Pittsburgh (2000)

Faculty of Arts & Sciences Research Fellowship, University of Pittsburgh (2000)

China Council Pre-Dissertation Research Grant, University of Pittsburgh (2001, 1998)

TEACHING AWARD

Richard Thorn Award for Teaching Excellence, University of Pittsburgh (2001)

TEACHING EXPERIENCE

Development Economics (Spring 2019, Spring 2020)

Economic Analysis of Public Policy (Winter 2018-20, Winter 2012-14, Winter 2008-10, Winter 2005, Fall 2004)
Public Economics I Graduate (Fall 2018, Fall 2019)
Behavioral Public Finance (Winter 2018-19, Winter 2012-14)
Public Economics Undergraduate (Spring 2016, NYU Shanghai)
Introduction to Macroeconomics (Fall 2015, Spring 2016, NYU Shanghai)
Causal Inference in the Social Sciences (Spring 2015, NYU Shanghai)
Principles of Economics (Fall 2004-9, Fall 2011-13, Fall 2017)
Introduction to Microeconomics (Summer 2000, Summer 1998)
Introduction to Economics (Summer 1999)

GRADUATE STUDENT SUPERVISION

Nicole Bruce (MA, 2020)
Wenfeng Fan (PhD, 2017)
Yipeng Tang (PhD, 2015)
Haowen Cao (PhD, in progress)
Grace Ooreofe Adeniyi (MPA, Supervisor, 2006)
Conor Malcolm (MIR, 2nd reader, 2005, complete)
Internal Examiner on multiple PhD theses at Queen's (Department of Economics and School of Business)

UNDERGRADUATE STUDENT SUPERVISION

Yingying Chen (2016)
Zian Chen (2015)
Haiqing Xu (2016)
Yueying Zhang (2015)

PROFESSIONAL PRESENTATIONS

Identification in multi-period experiments with period-specific compliance
International Panel Data Conference, July 2019
CEA Annual Conference, May 2019

Anticipating the (Un)expected: Evidence from Introducing a Universal Child Care Policy with a Shortage of Spaces
Asian and Australasian Society of Labour Economics Conference, December 2019
University of Porto, June 2019
Hokkaido University, May 2019
University of Hong Kong, April 2019

New Evidence on How Universal Childcare Influenced Child Care Decisions and Child Development in Canada

CEA Annual Conference, May 2018

Fudan University, May 2018

AEFP Annual Conference, March 2018

Second Workshop on Empirical Research in Economics of Education in Reus, February 2018.

Annual Meeting of the Latin American and Caribbean Economic Association and Latin American Meeting of the Econometric Society, November 2017

University of Guelph, October 2017

International Panel Data Conference, July 2017

The Journées Louis-André Gérard-Varet international conference in public economic, June 2017

Xiamen University, November 2016

Fudan University, November 2015

National University of Singapore, December 2015

Closing the Gender Gap in Science: New Evidence from China

CEA Annual Conference, May 2016

When Can Economic Models Invalidate Using Randomization as an Instrumental Variable?

CEA Annual Conference, May 2015

Fertility Patterns and Household Finance in China

Xian Jiaotong Liverpool University, September 2016

The Big Data Revolution in Health Economics

NYU Shanghai Symposium on Data Science and Applications, November 2014

Changed Parenting Practices: between Increased Input into Childcare and Worsened Outcomes for Children

CEA Annual Conference, May 2014

Beijing Normal University, May 2014

CLSRN Annual Conference, May 2013

Experimental Estimates of the Impacts of Class Size on Test Scores: Robustness and Heterogeneity

Chinese University of Hong Kong, May 2011

XIX Meeting of the Economics of Education Association, Zaragoza, Spain, July 2010

Estimating Context-Independent Treatment Effects in Education Experiments

University Technology Sydney, October 2016
Australasia Econometric Society Meeting, July 2016
NYU, November 2015
Shanghai University of Finance and Economics, October 2015
University of Calgary, May 2015
University of Melbourne, July 2013
York University, March 2013
University of Ottawa, March 2012
National Taiwan University, December 2011
Academica Sinica, December 2011
2011 International Symposium on the Economics of Education, Hong Kong, December 2011
IEB Workshop on Economics of Education, Barcelona, September 2011
Chinese University of Hong Kong, May 2011
CLSRN/SOLE Annual Conference, April 2011
Fudan University, Shanghai, April 2011
Lingnan University, Hong Kong, April 2011
International Conference in Industrial Organization and Management Strategy, Shanghai, August 2010
International Workshop on Applied Economics of Education, Catanzaro, Italy, June 2010
CLSRN Annual Conference, Quebec City, May 2010
University of Toronto, October 2009

When a Son is Born: The Impact of Fertility Patterns on Family Finance in Rural China
NYU, March 2014
SWUFE-RIEM Conference in Empirical Microeconomics, June 2012
Social Science Division, HKUST, April 2011
SWUFE mini-conference, Chengdu, China, March 2011
Canadian Economics Association Annual Meeting, Quebec City, May 2010
University of Porto, Portugal, May 2010
NBER China Working Group Conference, Cambridge, October 2009
Vrije Universiteit Amsterdam, August 2009
Fudan-Yale Development Conference, Shanghai, August 2009
China Summer Economics Institute, Beijing, June 2009
Shanghai Forum, Fudan University, May 2008

Estimating Dynamic Treatment Effects from Project STAR
SOLE 2008 Annual Meeting, New York, May 2008
Simon Fraser University, November 2007
CIREQ, Montreal, March 2005
2004 North American Summer Meeting of the Econometric Society, Duke
Fudan University, Shanghai, May 2004

New York University, February 2004
University of California Riverside, February 2004
University of Florida, January 2004
Queen's University, January 2003
McGill University, January 2003
NBER Economics of Education Meeting, November 2003
University of Michigan, September 2003

Accounting for Time-Varying Unobserved Ability Heterogeneity within Education
Production Functions

Beijing Normal University Institute of the Economics of Education, May 2013
Canadian Economics Association Annual Meeting, Vancouver, June 2008

The Effect of School Assignment Rule Change on Neighbourhood Sorting
Shanghai Forum, Fudan University, May 2007

The Impact of Poor Health on Education: New Evidence Using Genetic Markers

Ihea 7th World Congress, Beijing, July 2009
Econometric Society, NASM, Durham, June 2007
PAA 2007 Annual Meeting, New York, March 2007
ESA 2007 Regional Meeting, Osaka, February 2007
Fudan University, China, June 2006
Shanghai University of Finance and Economics, China, June 2006
TARGET/RDC conference, Vancouver, May 2006
BU / Harvard/ MIT Health Economics Seminar, February 2006
NBER Summer Institute Education Program, July 2005

How Does Party Membership Affect Promotions in China?

Shanghai Forum, Fudan University, May 2008

New Evidence on Education Production Functions and the Class Size Debate

2004 AEA Annual Meetings, January 2004

Do Peers Affect Student Achievement in China's Secondary Schools?

Canadian Economics Association Annual Meeting, May 2003
2002 North American Summer Meeting of the Econometric Society
Hong Kong University of Science and Technology, January 2002
Santa Clara University, January 2002
University of Pittsburgh, December 2000

Using Performance Incentives to Reward the Value Added of Educators: Theory and
Evidence from China

JFK School of Government, Harvard University, July 2001

Fudan University, China, June 2001
Association for Asian Studies Annual Meeting, March 2001
2000 World Congress of the Econometric Society, August 2000
Carnegie Mellon University, April 2000.
University of Pittsburgh, November 1999

Can Educational Equity and Efficiency Both Be Achieved? A General Equilibrium
Analysis of Basic Education Finance
Department of Education, Baise, China, June 2005

Collusion in Hierarchical Agency
Fudan University, China, June 2001

COMPLETED FIELD PROJECTS

“Urban Segregation and Education Reform in China”, March 2004 - June 2006, designed survey instruments for middle school students and their parents/guardians in a district of Shanghai. After a pilot run, survey of 4000 students and their families from 20 middle schools was carried out in May 2005. A second wave of 4000 students and their families from 18 middle schools was surveyed in October 2005. In addition, collected administrative record on 46 middle schools over 5 years, detailed student and teacher records from 5 schools.

“Teacher Incentives and Peer Effects”, April 1999 – August 2000, collected detailed administrative records of over 3000 middle school students from 1996 to 1998 and over 1000 teachers from 1993-1998 from a county in Jiangsu Province.

SERVICE

Refereed for American Political Science Review, Review of Economics and Statistics, Journal of Public Economics, Economic Development and Cultural Change, Economic Inquiry, Education Finance and Policy, Economics of Education Review, Journal of Health Economics, Journal of Comparative Economics, Journal of Population Economics, Journal of Human Resources, Econometrics Review, China Economic Review, Journal of Development Economics, Canadian Journal of Economics, Journal of Policy Analysis and Management, Health Economics, Journal of Public Economic Theory, B.E. Journal of Economic Analysis & Policy, Hong Kong Research Council and World Economic Forum.

Developed and managed a professional training program for mid-career civil servants from the municipality of Shanghai, China. The program was launched in 2006; five cohorts of administrators have now completed their six-month training at Queen’s.

Developed and managed a student and scholar exchange program with Fudan University, Shanghai, China. This 6-week program allows students at Queen's University to take two tailor-designed graduate level courses in English about China's economic and political transitions as well as participate in corresponding field trips. It also enables scholars from Fudan to visit and collaborate with researchers at Queen's. Starting in 2006 approximately 10-15 students have participated annually.

MPA and PMPA Admissions Committee, School of Policy Studies, 2005-2008.

MPA Research paper coordinator, 2012-2014

QSPS Visitor Committee, 2017- present.

Member Senate Advisory Research Committee, Queen's University, 2012-2015

Co-organized and member of selection committee 2012 SWUFE International Workshop on Applied Microeconomics.

Renewal Tenure and Promotions Committee, Policy Studies, Queen's University, 2011-2014, 2017-2018

Appointments Committee, Policy Studies, Queen's University, 2012-2014.

Graduate Committee, Economics, Queen's University, 2019-present.

Library Representative, Policy Studies, 2011-2018.

Organized junior faculty mentoring session at SWUFE-RIEM (June 2012, provided guidance for 8 junior faculty members based at SWUFE.

Co-Seminar organizer, Center for Data Science and Analytics, NYU Shanghai, 2015-2017.

Senior Mentor for New Faculty, NYU Shanghai, 2016- 2017.

Member SSHRC Insight Grants Committee 2019-2020

Member Queen's University SARS Cov-2/COVID-19 Rapid Response funding Social/Policy Committee 2020