

Nichola J. Lowe, Ph.D.

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Research Interests urban and regional economic and labor market adjustment; industrial policy; climate change and work; sector-based workforce development; immigrant labor market incorporation; inclusive innovation

Education **Ph.D., Economic Development and Regional Planning,**
Department of Urban Studies and Planning, Massachusetts Institute of Technology, Sept 2003
Dissertation advisor: Paul Osterman

M.S., International Agricultural Development,
Department of Human and Community Development, University of California, Davis, June 1996
Thesis advisor: Martin Kenney

B.S., Political Economy of Natural Resources,
Department of Agricultural and Resource Economics, University of California, Berkeley,
December 1992; Thesis advisor: Alain de Janvry

Academic Appointment **Professor,** Hubert Humphrey School of Public Affairs (Urban and Regional Planning)
University of Minnesota, Minneapolis, August 2023 – present

Research Professor, Department of City and Regional Planning
University of North Carolina, Chapel Hill, July 2023 – present

Interim Chair, Department of City and Regional Planning
University of North Carolina, Chapel Hill, January 2023 – June 2023

Professor, Department of City and Regional Planning
University of North Carolina, Chapel Hill, January 2019 – June 2023

Visiting Professor, Department of Human and Economic Geography
Lund University, Sweden, January – June 2022

Associate Professor, Department of City and Regional Planning
University of North Carolina, Chapel Hill, January 2012 – December 2018

Assistant Professor, Department of City and Regional Planning
University of North Carolina, Chapel Hill, January 2005 – December 2011

Professional Affiliations **Research Affiliate**, Center for Innovation Research (CIRCLE), Lund University Sweden, September 2022 – present

Research Affiliate, W.E. Upjohn Institute, Promise: Investing in Community Research Initiative, Kalamazoo, MI, May 2019 – present

Faculty Fellow, Center for Urban and Regional Studies, University of North Carolina, Chapel Hill, 2005 – present

Faculty Fellow, Center for Community Capital, University of North Carolina, Chapel Hill, August 2017 – June 2021

Faculty Affiliate, Center for Urban Innovation. Georgia Institute of Technology. August 2016 – July 2019

Visiting Fellow, Institute of Advanced Studies, University of Birmingham, UK October 2013 – May 2014

Faculty Fellow, Global Research Institute, University of North Carolina, Chapel Hill, August 2011– May 2012

Faculty Affiliate, Center for Sustainable Community Design, Institute for the Environment, University of North Carolina, Chapel Hill, June 2010 – May 2011

Faculty Fellow, Institute for Emerging Issues, North Carolina State University, 2010

Post-Doctoral Research Fellow, Munk Center for International Studies, University of Toronto September 2003 – December 2004
Supervisors: Dr. Meric Gertler and Dr. Albert Berry

Member, American Planning Association, Association of American Geographers, Industry Studies Association, Planners Network, Regional Studies Association, Scholars for North Carolina’s Future, Scholars Strategy Network (various years)

Honors **2022-2023 RTI University Scholar**, RTI International

2020 Best Paper Award, Association of Collegiate Schools of Planning/Kauffman Foundation

Fall 2018 Provost Senior Competitive Research and Study Leave, UNC-CH

2016 Academic Achievement Award, Institute for the Arts and Humanities, UNC-CH

2011-2012 Faculty Fellowship, Global Research Institute, UNC-CH

Spring 2012 Faculty Fellowship, Institute for the Arts and Humanities, UNC-CH

GSK 2010 Faculty Fellowship, Institute for Emerging Issues, North Carolina State University

Scholar-in-Residence, Center for Urban and Regional Studies, UNC-CH, Fall 2007

Doctoral Research Fellowship, Inter-American Foundation, 1999-2000

Traineeship in Democratization, National Science Foundation, MIT Nominee, 1996-1999

Book **Nichola Lowe**. *Putting Skill to Work: How to Create Good Jobs in Uncertain Times*. MIT Press. 2021
[Reviewed in *Economic Development Quarterly*, *Industrial and Labor Relations Review* and the *Journal of Planning Education and Research*]

Book Chapters **(*Student)** **(13) Lowe, Nichola**. 2021 Workforce Training in an Age of AI. Joshua Cohen and Deborah Chasman (eds.). *Redesigning AI: Work, Democracy and Justice in the Age of Automation*. Boston Review Forum (book).

(12) Lowe, Nichola and Tara Vinodrai. 2021. Reimagining Work? Covid-19 and the Impacts on Employment in Canada and the United States. John Bryson, Lauren Andres, Aksel Ersoy and Louise Reardon (eds.). *Living with Pandemics: People, Place and Policy*. Edward Elgar Publishing.

(11) Lowe, Nichola, Julianne Stern*, John Bryson and Rachel Mulhall. 2018. Working in a New Generation: Youth Job Creation and Employer Engagement in Urban Manufacturing. Stuart Andreason, Carl Van Horn, Heath Prince, and Todd Greene (eds.). *Investing in America's Workforce: Improving Outcomes for Workers and Employers*. Upjohn Institute (with the US Federal Reserve System).

(10) Bryson, John, Rachel Mulhall, **Nichola Lowe** and Julianne Stern*. 2018. Engineering and the Skills Crisis in the UK and US: A Comparative Analysis of Employer-Engaged Education. Yufeng Zhang and Mike Gregory (eds.). *Value Creation through Engineering Excellence: Building Global Network Capabilities*. Palgrave: London.

(9) Iskander, Natasha and **Nichola Lowe (alphabetical)**. 2018. Immigration and the Politics of Skill. Gordon L. Clark, Maryann Feldman, Meric Gertler and Dariusz Wójcik (eds). *The New Oxford Handbook on Economic Geography*. Oxford University Press.

(8) Feldman, Maryann and **Nichola Lowe**. 2017. How Do Ideas Get Into the Air? Governance and the Construction of Place-specific Innovative Advantage. Harald Bathelt, Patrick Cohendet, Sebastian Henn and Laurent Simon (eds). *The Elgar Companion to Innovation and Knowledge Creation*, Edward Elgar: Northampton (MA).

(7) Iskander, Natasha and **Nichola Lowe**. 2016. The Transformers: Immigration and Tacit Knowledge Development. K Elsbach and B. Bechky (eds). *Qualitative Organizational Research - Volume 3 Best Papers from the Davis Conference on Qualitative Research*. Charlotte NC: Information Age Publishing.

(6) **Lowe, Nichola**. 2015. From Skills Mismatch to Reinterpretation: Challenges and Solutions for Manufacturing Worker Retention and Recruitment. J. Bryson, J. Clark, and V. Vanchan (eds) *Handbook of Manufacturing Industries in the World Economy*. Edward Elgar.

(5) Iskander, Natasha and **Nichola Lowe (alphabetical)**. 2013. Moving Skill: The Incorporation of Mexican Immigrants in the U.S. and Mexican Construction Industries. Y. Kuznetsov (ed) *How Talent Abroad Supports Growth, Innovation and Institutional Development at Home*. Washington D.C.: The Migration Policy Institute.

(4) **Lowe, Nichola**. 2011. Southern Industrialization Revisited: Industrial Recruitment as a Strategic Tool for Local Economic Development. D. Gitterman and P. Coclanis (eds) *A Way Forward: Building a Globally Competitive South*. E-book distributed by the University of North Carolina Press.

(3) **Lowe, Nichola**. 2007. Prioridades para El Mejoramiento de las Pequeñas y Medianas Empresas. A. Berry and D. Borda (ed) *Economía y Empleo en el Paraguay*. Asunción: CADEP.
English translation: Nichola Lowe. 2010: Patterns of Productivity Enhancement in Small and Medium Enterprises. A. Berry (ed) *Losing Ground on the Employment Challenge: The Case of Paraguay*. New Brunswick: Transaction Publishers. Pp. 143-162

(2) **Lowe, Nichola**. 2006. Acquiring the Skills to Better Manage Local Economic Development: The case of Jalisco, Mexico. C. S. Galbraith and C. H. Stiles (eds) *Developmental Entrepreneurship: Adversity, Risk, and Isolation*. London: Elsevier Sciences. Pp. 325-354

(1) **Lowe, Nichola** and Meric Gertler. 2005. Diversity and the Evolution of a Life Science Innovation System: The Toronto Region in Comparative Perspective. D.A. Wolfe and M. Lucas (eds) *Global Networks and Local Linkages: The Paradox of Clusters in an Open Economy*. Montreal and Kingston: McGill-Queen's University Press. Pp. 25-55

**Refereed
Journal
Articles
(*students)**

(47) Liu, Cathy Yang, Marc Doussard and **Nichola Lowe**. 2023. Fixing Work, and Moving Beyond It. *Economic Development Quarterly*. (invited). 37(1), 64-72.

(46) **Lowe, Nichola**, Greg Schrock, Matt Wilson,* Rumana Rabbani* and Allison Forbes. 2023. Centering Work: Integration and Diffusion of Workforce Development within the US Manufacturing Extension Network. *Economic Development Quarterly*. 37(4), 375-388.

(45) Iskander, Natasha and **Nichola Lowe (alphabetical)**. 2023. Biophilic Institutions: Building New Solidarities between the Economy and Nature. *Daedalus (MIT)*. (invited). 152 (1): 81-93.

(44) **Lowe, Nichola**. 2022. A Tool for Workplace Development: How Non-Degree Credentials Can Help Raise Job Quality Standards. *Industrial and Labor Relations Review*. 75(2): 1095-1096 (invited, editorial review)

(43) Schrock, Greg and **Nichola Lowe**. 2021. Editorial: The Promise of Inclusive Innovation. *Local Economy*. 36(3): 181-186

- (42) **Lowe, Nichola**, Greg Schrock, Ranita Jain and Maureen Conway. 2021. Genesis at Work: Advancing Inclusive Innovation through Manufacturing Extension. *Local Economy*. 36(3): 224-241.
- (41) Iskander, Natasha and **Nichola Lowe (alphabetical)**. 2021. Turning Rules into Resources: Worker Enactment of Labor Standards and Why it Matters for Regulatory Enforcement. *Industrial and Labor Relations Review*. 74(5): 1258-1282
- (40) **Lowe, Nichola** and Tara Vinodrai. 2020. The Maker-Manufacturing Nexus as a Place-Connecting Strategy: Implications for Regions 'Left-Behind.' *Economic Geography*.
- (39) Donegan, Mary* and **Nichola Lowe**. 2020. Going Local: Placing Entrepreneurial Microgeographies within a Larger Regional Context. *Industry and Innovation*. (Best Paper Award: Association of Collegiate Schools of Planning/ Kauffman Foundation)
- (38) Iskander, Natasha and **Nichola Lowe (alphabetical)**. 2020. Climate Change and Work: Politics and Power. *Annual Review of Political Science*. 23(2): 111-131 (invited; editorial review).
- (37) Donegan, Mary*, T. William Lester and **Nichola Lowe (alphabetical)**. 2019. Striking a Balance: A National Assessment of Economic Development Incentives. *Urban Affairs Review*. (online first)
- (36) Donegan, Mary*, Paige Clayton*, Maryann Feldman, Allison Forbes*, **Nichola Lowe**, Alyse Polly. 2019. The Tortoise, the Hare and the Hybrid: The Labor Market Effects of Entrepreneurial Apprenticeships. *Industry and Corporate Change*. (online first)
- (35) Clayton, Paige*, Mary Donegan*, Maryann Feldman, Allison Forbes*, **Nichola Lowe**, Alyse Polly (**alphabetical**). 2019. Founders' Prior Work Experiences and the Outcomes of their Entrepreneurial Firms. *Industrial and Labor Relations Review*. (online first)
- (34) Feldman, Maryann and **Nichola Lowe**. 2018. Policy and Collective Action in Place. *Cambridge Journal of Regions, Economy and Society*. 11(2): 335–351.
- (33) Clayton, Paige*, Maryann Feldman and **Nichola Lowe**. 2018. Behind the Scenes: Intermediary structures that facilitate science commercialization. *Academy of Management Review*. 32(1).
- (32) **Lowe, Nichola** and Maryann Feldman. 2018. Breaking the Waves: Innovating at the Intersections of Local Economic Development Planning. *Economic Development Quarterly*. 32(3): 183-194.
- (31) **Lowe, Nichola** and Laura Wolf-Powers (**alphabetical**). 2018. Who Works in a Working Region? Inclusive Innovation in the New Manufacturing Economy. *Regional Studies*. 52(6): 828-839.
- (30) **Lowe, Nichola** and Maryann Feldman. 2017. Institutional Life Within an Entrepreneurial Region. *Geography Compass*. 11(3).

- (29) **Lowe, Nichola** and Natasha Iskander. 2017. Power Through Problem Solving: Latino Immigrants and the Inconsistencies of Industrial Restructuring. *Population, Space and Place*. 23(7).
- (28) Feldman, Maryann and **Nichola Lowe (alphabetical)**. 2017. Evidence Based Economic Development Policy. *Innovations Journal (MIT)*. 11(3/4):1-18. (editorial review).
- (27) **Lowe, Nichola**. 2015. Reskilling Urban Manufacturing: Workforce Solutions from the Inside Out. *Metropolitics*. December 15. (editorial review).
- (26) **Lowe, Nichola** and Allan Freyer*. 2015. A Moving Target: Rethinking Industrial Recruitment in an Era of Growing Economic Uncertainty. *Environment and Planning C*. 33(5): 1284-1300.
- (25) Feldman, Maryann and **Nichola Lowe (alphabetical)**. 2015. Triangulating Regional Economies: The Promise of Digital Data. *Research Policy*. 44(9): 1785-1793.
- (24) **Lowe, Nichola**. 2014. Beyond the Deal: Using Industrial Recruitment as a Strategic Tool for Manufacturing Development. *Economic Development Quarterly*. 28(4): 287-299.
- (23) Lester, T. William, **Nichola Lowe** and Allan Freyer*. 2014. Mediating Incentive Use: A Time-Series Assessment of Economic Development Deals in North Carolina. *Economic Development Quarterly*. 28(2): 132-146.
- (22) Iskander, Natasha and **Nichola Lowe (alphabetical)**. 2013. Building Job Quality from the Inside-Out: Mexican Immigrants, Skills, and Jobs in the Construction Industry. *Industrial and Labor Relations Review*. 66(4).
- (21) Iskander, Natasha, Christine Riordan* and **Nichola Lowe**. 2013. Learning in Place: Mexican Immigrants in the Philadelphia Construction Industry. *Economic Geography*. 89(1): 53-75.
- (20) Goldstein, Harvey, **Nichola Lowe** and Mary Donegan*. 2012. Transitioning to the New Economy: Individual, Institutional, and Regional Factors in Explaining Outcomes of Retraining Programs. *Regional Studies*. 46(1): 105-118.
- (19) Feldman, Maryann and **Nichola Lowe (alphabetical)**. 2011. Restructuring for Resilience: The Importance of Organizational Design. *Innovations Journal (MIT)*. 6(1): 129-146. (editorial review).
- (18) **Lowe, Nichola**, Harvey Goldstein and Mary Donegan*. 2011. Patchwork Intermediation: Regional Challenges and Opportunities for Sector-Based Workforce Development. *Economic Development Quarterly*. 25(2): 158-171
- (17) Hagan, Jacqueline, **Nichola Lowe** and Christian Quingla*. 2011. Skills on the Move: Rethinking the Relationship between Human Capital and Economic Mobility. *Work and Occupations*. 38 (2): 149-178
Reprinted as chapter. Amy S. Wharton (ed.). 2015. Working in America: Continuity, Conflict and Change in a New Economic Era. New York: Routledge. Pp: 225-238.

- (16) Lowe, Nichola.** 2010. Responding to Diversity: Workforce Intermediation in a Transitioning Regional Economy. *Environment and Planning C*. 48(4): 696-713
- (15) Iskander, Natasha and Nichola Lowe (alphabetical).** 2010. Hidden Talent: Tacit Skill Formation and Labor Market Incorporation of Mexican Immigrant Workers in the United States. *Journal of Planning Education and Research*. 30(2): 132-146.
- (14) Lowe, Nichola, Jacqueline Hagan and Natasha Iskander.** 2010. Revealing Talent: Informal Skills Intermediation as an Emergent Pathway for Immigrant Labor Market Incorporation. *Environment and Planning A*. 42(1): 205-222
- (13) Iskander, Natasha, Nichola Lowe and Christine Riordan*.** 2010. The Rise and Fall of a Micro-Learning Region: Mexican Immigrants and Construction in Center-South Philadelphia. *Environment and Planning A*. 42(7): 1595-1612
- (12) Lowe, Nichola and Meric Gertler.** 2009. Building on Diversity: Institutional Foundations of Hybrid Strategies in Toronto's Life Sciences. *Regional Studies*. 43(4): 589-603
- (11) Lowe, Nichola.** 2009. Challenging Tradition: Unlocking New Paths to Regional Industrial Upgrading. *Environment and Planning A*. 41(1): 128-145
- (10) Lowe, Nichola and Brian Morton.** 2008. Developing Standards: The Role of the Community Benefits Agreements in Enhancing Job Quality. *Community Development Journal*. 39(2): 23-35
- (9) Lowe, Nichola and Maryann Feldman.** 2008. Constructing Entrepreneurial Advantage: Consensus-building, Technological Uncertainty and Emerging Industries. *Cambridge Journal of Regions, Economy and Society*. 1(2): 265-284
Reprinted as chapter. Richardson, Harry Ward, Chang-Hee Christine Bae, and Sang-Chuel Choe (eds). 2011. Reshaping Regional Policy. Edward Elgar Publishing. Pp.193-222
- (8) Feldman, Maryann and Nichola Lowe.** 2008. Consensus from Controversy: Cambridge's Biosafety Ordinance and the Anchoring of the Biotech Industry. *European Planning Studies*. 16(3): 395-410
- (7) Donegan, Mary* and Nichola Lowe.** 2008. Inequality in the Creative City: Is There Still a Place for "Old-Fashioned" Institutions? *Economic Development Quarterly*. 22(1): 46-62
- (6) Donegan, Mary*, Joshua Drucker*, Harvey Goldstein, Nichola Lowe and Emil Malizia (alphabetical).** 2008. Which Indicators Explain Metropolitan Economic Performance Best: Traditional or Creative Class? *Journal of the American Planning Association*. 74(2): 180-195
Reprinted. International Planning. 2012, Pp. 79-89 (Chinese translation)
- (5) Lowe, Nichola.** 2007. Job Creation and the Knowledge Economy: Lessons from North Carolina's Life Science Manufacturing Initiative. *Economic Development Quarterly*. 21(4): 339-353

- (4) Morton, Brian and **Nichola Lowe**. 2006. The 'High Road' for the Big Box: A New Community Based Approach to Responsible Retail Development. UNC Center on Poverty, Work and Opportunity. (Refereed Policy Series). Pp: 1-42
- (3) **Lowe, Nichola**. 2003. Overcoming the Challenges of Cooperation: The Case of Joint Upgrading in Guadalajara's Apparel Making Industry. Washington D.C.: Sustainable Development Department, Inter-American Development Bank. (Refereed Series). Pp: 1-38
- (2) **Lowe, Nichola** and Martin Kenney. 1999. Foreign Investment and the Global Geography of Production: Why the Mexican Consumer Electronics Industry Failed. *World Development*. 27(8): 1427-1443
- (1) **Lowe, Nichola** and Martin Kenney. 1998. To Create an Industry: The Growth of Consumer Electronics Manufacturing in Mexico and Taiwan. *Science, Technology and Society*. 3(1): 49-73

Articles in Preparation (*Student)

Ben Armstrong, Matt Wilson* and **Nichola Lowe**. Race and the Manufacturing Workforce: Opportunities to expand growth and equity in a rebounding industry sector. Under review. Occasional Paper Series, *Research Triangle International Press*.

Markus Grillitsch, Björn Asheim, Lea Fünfschilling, Sohie Kelmenson,* **Nichola Lowe**, Karl-Johan Lundquist, Yahia Mahmoud, Mikhail Martynovich, Pauline Mattsson, Johan Miörner, Magnus Nilsson, Torben Schubert. 2023. Rescaling: An Analytical Lense to Study Economic and Industrial Shifts. Revising and resubmitting to *Progress in Human Geography*.

Nichola Lowe, Sophie Kelmenson* and Sara Lawrence. Expanding Racial Inclusion in Manufacturing. In preparation. Blog post, *Research Triangle International Press*.

Sophie Kelmenson* and **Nichola Lowe (alphabetical)**. A New Institutional Construction of Skill. In preparation for *Local Economy*.

Kshitiz Khanal,* Nikhil Kaza and **Nichola Lowe**. Targeting occupations to retrain for clean energy workforce development using an unsupervised clustering approach. In preparation for *Economic Development Quarterly*.

Shauna Brail, Betsy Donald, Nikhil Kaza, **Nichola Lowe** and Donald Planey (+ others). The Dashboard is not dead: dashboards as effective tools in skills building, community building and sense-making. In preparation for the *Journal of the American Planning Association*.

Sophie Kelmenson*, **Nichola Lowe** and Greg Schrock. A Case Study of Worker-Centered Innovation. In preparation for *Upjohn Institute Working Paper Series*.

Published Working Papers (*Student)

Markus Grillitsch, Björn Asheim, Lea Fünfschilling, Sohie Kelmenson,* **Nichola Lowe**, Karl-Johan Lundquist, Yahia Mahmoud, Mikhail Martynovich, Pauline Mattsson, Johan Miörner, Magnus Nilsson, Torben Schubert. 2023. Rescaling: An Analytical Lense to Study Economic and Industrial Shifts. Center for Innovation Research. Lund University.

https://swopec.hhs.se/lucirc/abs/lucirc2023_011.htm

Lowe, Nichola, Greg Schrock, Matt Wilson,* Rumana Rabbani* and Allison Forbes. 2022. Centering Work: Integration and Diffusion of Workforce Development within the US Manufacturing Extension Network. Kalamazoo, MI: W.E. Upjohn Institute for Employment Research.

https://research.upjohn.org/cgi/viewcontent.cgi?article=1390&context=up_workingpapers

Mary Donegan*, T. William Lester and **Nichola Lowe (alphabetical)**. 2018. Striking a Balance: A National Assessment of Economic Development Incentives. Upjohn Institute Working Paper 18-291. Kalamazoo, MI: W.E. Upjohn Institute for Employment Research.

https://research.upjohn.org/up_workingpapers/291/

Fecho, Karamarie, Feldman, Maryann P, Oleg Kapeljushink, **Nichola Lowe**, Charles Schmitt and Sid Thakur (**alphabetical**). 2017. Triangle Genesis Data System: Enabling Research on Regional Economics and Innovation. Renaissance Computing Institute-Technical Report. TR-17-01.

<http://renci.org/technical-reports/tr-17-01/>

T. William Lester, **Nichola Lowe** and Allen Freyer*. 2012. Mediating Incentive Use: A Time-Series Assessment of Economic Development Deals in North Carolina. Upjohn Institute Working Paper 12-184. Kalamazoo, MI: W.E. Upjohn Institute for Employment Research.

http://research.upjohn.org/up_workingpapers/184/

Lowe, Nichola. 2010. Beyond the Deal: Integrating Industrial Recruitment into Economic Development Planning. Lincoln Institute of Land Policy. Working paper.

https://www.lincolninst.edu/pubs/dl/1782_1002_Lowe%20Final.pdf

Lowe, Nichola. 2004. Lessons from the Field: 'Higher-Order' Upgrading Among Paraguay's Small and Medium Enterprises. University of Toronto: Center for International Studies, Program on Latin America and the Caribbean. Working Paper No. 8.

Lowe, Nichola and Martin Kenney. 1998. Too Far from Asia, Too Close to the United States: Consumer Electronics Production in Mexico, 1965-1985. Davis, California: Institute of Governmental Affairs, Working Paper No. 29.

Book Reviews

Lowe, Nichola. 2016. Book Review: Vinit Mukhija and Anastasia Loukaitou-Sideris (eds.) The Informal American City: Beyond Taco Trucks and Day Labor. *Journal of Urban Design*. 21(3): 395-397.

Lowe, Nichola. 2004. Book Review: Jane Collins, Threads: Gender, Labor and Power in the Global Apparel Industry. *Economic Geography* 80: 319-321.

Editorials, Briefs and Magazine Articles

(41) Matt Wilson*, **Nichola Lowe**, Greg Schrock, Rumana Rabbani*, Allison Forbes. 2023. How the Manufacturing Extension Partnership Can Anchor U.S. Workforce Development. Policy and Research Brief. Kalamazoo, MI: W.E. Upjohn Institute for Employment Research.

Non-refereed (*Student)

(40) **Nichola Lowe**, William Butler, Jennifer Clark, Jonathan Levine, Meenu Tewari, Ruth Steiner. Statement on Innovation and Inclusion in the Tenure and Promotion Process. New Planet/Planning Google Group. January 2023.

- (39) **Nichola Lowe**, Haley Glover and Ranita Jain. 2023. [Case Study](#): Next Generation Apprenticeship at Aon. *UpSkill America, the Aspen Institute*.
- (38) Sophie Kelmenson*, Tanu Kumar, **Nichola Lowe** and Katy Stanton (**alphabetical**). 2023. [Inclusive Innovation](#) in Advanced Manufacturing: Lessons Learned. *Urban Manufacturing Alliance*.
- (37) Sophie Kelmenson*, Tanu Kumar and **Nichola Lowe**. 2022. [Inclusive Innovation](#) in Advanced Manufacturing: Building Resilience Through Career Transitions. *Urban Manufacturing Alliance*.
- (36) Tanu Kumar, Sophie Kelmenson* and **Nichola Lowe**. 2022. [Inclusive Innovation](#) in Advanced Manufacturing: Centering Community for Economic Mobility. *Urban Manufacturing Alliance*.
- (35) Sophie Kelmenson*, **Nichola Lowe** and Tanu Kumar. 2022. [Inclusive Innovation](#) in Advanced Manufacturing: Moving Forward with Shared Gains. *Urban Manufacturing Alliance*. September 30.
- (34) **Nichola Lowe**. 2022. [Let's](#) Make North Carolina a Workplace Leading State. *Carolina Across 100 blog series*, February 9.
- (33) **Nichola Lowe**. 2021. [Reimagining](#) Skill. *Metropolitics*. October 18.
- (32) **Nichola Lowe**. 2021. The [Overlooked](#) Partners that Can Build Your Talent Pipeline. *MIT Sloan Management Review*. On-line March 29th, plus Summer print edition.
- (31) Sophie Kelmenson*, Allison Forbes and **Nichola Lowe**. 2021. [Report](#) on Early Childhood Education Pre-Apprenticeship (1199C). *Center for Regional Economic Competitiveness*.
- (30) Kshitiz Khanal* and **Nichola Lowe**. 2021. [What Job](#) Openings Tell Us About Pandemic Employment and Economic Recovery. *Carolina Tracker*.
- (29) **Nichola Lowe** and Tara Vinodrai. 2020. Reflections on [Retooling](#) for the Covid-19 Pandemic. *Metropolitics*. June 19.
- (28) **Nichola Lowe**, T. William Lester and Mary Donegan*. 2018. Does doling out economic incentives create jobs? A UNC study says no. *News and Observer*. December 26.
- (27) **Nichola Lowe** and Maryann Feldman. 2018. Common Ground: How to pursue a mixed strategy for economic development and come out ahead. Chapel Hill, N.C.: Kenan Institute of Private Enterprise.
- (26) **Nichola Lowe**, Colleen Durfee* and Tara Vinodrai. 2018. Threading Together Carolina's Textile Comeback. *Angles Blog (DCRP-UNC)*.
- (25) Allison Forbes* and **Nichola Lowe (alphabetical)**. 2018. North Carolina Can Build a Better Place for Auto Makers. *News and Observer*. January 17.

- (24) Julianne Stern* and **Nichola Lowe**. 2018. Supporting Low-Income Youth through Jobs in Urban Manufacturing. *Carolina Planning Journal*.
- (23) **Nichola Lowe**. 2017. Lessons from the American Underground. *Planning Magazine for the American Planning Association*. December issue.
- (22) **Nichola Lowe**. 2017. How Helping Businesses and Workers Engage in Shared Skill Development Can Reduce Inequality and Strengthen the U.S. Economy. *Scholars Strategy Network-Faculty Brief*.
- (21) **Nichola Lowe**. 2016. To Thwart HB2 Provision, NC Governments Could Insource Services *News and Observer*. May 10.
- (20) **Nichola Lowe**. 2015. The Future of Work: Encouraging Employers to Train Workers *Pacific Standard Magazine*, September 24. (invited contributor to series on Future of Work)
- (19) T. William Lester and **Nichola Lowe**. 2015. Rebuilding the Bridge to the Future: An Analysis of What Works for North Carolina's Economy. *ThinkNCFirst*.
- (18) **Nichola Lowe**, Meenu Tewari and T. William Lester. 2015. Planning for Inclusive Prosperity: Lessons from the North Carolina Experience. *Carolina Planning Journal*. 40: 5-12.
- (17) Laura Wolf-Powers and **Nichola Lowe**. 2015. Sharing the Biopharmaceutical Wealth: Growth and Equity Benefits of a "Working Regions" Approach. *Regions Magazine*. 297(1):14-16.
- (16) **Nichola Lowe**. 2015. Incentives Need to be Used Efficiency. *News and Observer*. March 5. Letter to editor.
- (15) **Nichola Lowe** and Maryann Feldman. 2015. Stoking our Entrepreneurial Economy. *News and Observer*. February 2.
- (14) **Nichola Lowe**. 2014. Forum: How Finance Gutted Manufacturing. *Boston Review*. (invited contributor to manufacturing forum)
- (13) Pierre Clavel and **Nichola Lowe**. 2013. Guest Editors: Progressive Planning in the American South. *Progressive Planning Magazine*. Spring.
- (12) Clara Turner* and **Nichola Lowe**. 2013. Please Inquire Within: Local Hiring in Durham, North Carolina. *Progressive Planning Magazine*. Spring.
- (11) **Nichola Lowe**. 2013. What is the Skills Problem in Manufacturing? *Progressive Planning Magazine*. Winter.
- (10) T. William Lester and **Nichola Lowe (alphabetical)**. 2012. Business Incentives, OK, but Smarter Ones for. North Carolina. *News and Observer*. December 29.

- (9) T. William Lester, **Nichola Lowe** and Allan Freyer*. 2012. Mediated Incentives: Making North Carolina's Economic Development Incentive Programs Work Better through Strategic Investment. North Carolina Budget and Tax Center Special Report. October.
- (8) Natasha Iskander and **Nichola Lowe (alphabetical)**. 2012 The Politics of Skill. *Perspectives*. Washington D.C.: Immigration Policy Center.
- (7) Natasha Iskander and **Nichola Lowe**. 2012. Training and Skills Certification for Migrants: Toward a New Model of Transnational Labor Governance. Washington D.C.: Migration Policy Institute
- (6) **Nichola Lowe** and Natasha Iskander. 2011. Beyond the Wal-Martization of Immigration. Guest blog entry. UNC-Institute for the Study of the Americas.
- (5) Maryann Feldman and **Nichola Lowe (alphabetical)**. 2010. RTP's Broader Reach. *News and Observer*. October (2).
- (4) **Nichola Lowe**. 2010. A Break for Local Workers. *News and Observer*. February (5).
- (3) **Nichola Lowe**. 2007. Don't Write Off Incentives Yet. *News and Observer*. April (10).
- (2) **Nichola Lowe**. 2007. Life Science Manufacturing in North Carolina: A Case Study for Workforce Development. *Carolina Context*. June.
- (1) **Nichola Lowe**. 2006. In Seeking the Creative Class: Basics Still Matter. *SouthNow*. July (9).

**Digital
Works &
Data
Resources**

Contributor. Regionalists on Film. November 11, 2022. Regional Studies Association. <https://www.youtube.com/watch?v=O95HXAW-P5U>

Participant. Politics of Skill Webinar. Industrial and Labor Relations Review, Cornell University. September 15, 2022. <https://vimeo.com/752725951/e27fdc3186>

Contributor. Pitchfork Economics Podcast. October 1 2021. <https://pitchforkeconomics.com/episode/redefining-skill-with-nichola-low/>

Presenter. An Inclusive Innovation Future? Regional Inequality in Europe and the U.S. Conference. Virtual conference (UNC-Chapel Hill host). October 2020. <https://uncch.hosted.panopto.com/Panopto/Pages/Viewer.aspx?tid=f5da719c-dc33-4ff1-8e8d-ac7800e33bfb>

Co-creator. Carolina Tracker: A Resource for Recovery. <https://carolinatracker.unc.edu/> Department of City and Regional Planning UNC-Chapel Hill. 2020.

Co-creator. Podcast Series. Viewpoints on Equitable and Resilient Response to the Pandemic. Center for Urban and Regional Studies. UNC-Chapel Hill. 2020. <https://soundcloud.com/user-558786382>

Contributor. CURS Viewpoints Podcast Series.

<https://soundcloud.com/user-558786382/nichola-low-a-lifeline-for-manufacturing>

Co-creator. PPlatform for Advancing Community Economies (PLACE) database.

Kenan Institute for Private Enterprise. UNC-Chapel Hill. 2010-18.

<https://maryannfeldman.web.unc.edu/research-on-research-triangle/>

Co-creator. Incentive Policy website. NC Growth. Kenan Institute for Private Enterprise

<http://www.ncgrowth.unc.edu/index.php/incentives-policy/>

Contributor. IAH Faculty Podcast. <http://iah.unc.edu/podcast-nichola-low-professor-city-and-regional-planning/>

Contributor. Video. Institute for Emerging Issues/Hunt Library. Pharmaceutical Mergers Yield Spinoffs. <https://www.youtube.com/watch?v=vcwBB6ZkSYY&feature=youtu.be>

Professional Reports (*Student)

(11) Apprenticeship 2020 Final Evaluation Report. 2021. With Amy Blair and Ranita Jain. Aspen Institute.

(10) Gearing Up: MEP Center Responses to the COVID-19 Pandemic. With Olivia Raines*. 2021. Center for Urban and Regional Studies, UNC-Chapel Hill.

(9) First in Talent: Report for North Carolina's Strategic Economic Development Plan. 2020. With Emily Gangi, Anita Brown-Graham, T. William Lester and Jonathan Morgan.

(8) Genesis at Work: Evaluating the Effects of Manufacturing Extension on Business Success and Job Quality. Report for the Chicagoland Workforce Funders Alliance. 2019. With Ranita Jain, Greg Schrock and Maureen Conway

(7) Survey of Durham County Vendors to Understand Impact of Living Wage Requirement. Report for Durham County. 2015. With Allison Forbes* and T. William Lester.

(6) Mediated Incentives: Making North Carolina's Economic Development Incentive Programs Work Better through Strategic Investments. North Carolina Budget and Tax Center. 2012. With T. William Lester and Allan Freyer*.

(5) Hidden Talent: The Incorporation of Mexican Immigrants in the US Construction Industry. Report prepared for The World Bank and The MacArthur Foundation. 2009. With Natasha Iskander.

(4) Transitioning to the New Economy: Lessons from BioWork. Report to the North Carolina Biotechnology Center. 2007. With Harvey Goldstein.

(3) Cluster Dynamics in the Medical and Assistive Technologies Sector: An Analysis of Greater Toronto, London and Ottawa. Report to the National Research Council Canada. 2004. With Meric Gertler.

(2) Western GTA Regional Innovation Profile. Report to the Western Greater Toronto Area Consortium under the Biotechnology Cluster Innovation Program, Government of Ontario. 2004. With David Wolfe and Meric Gertler.

(1) The Foundations of “High Road” Policy: Rethinking the Origins of Economic Crisis and Reform in 20th Century Mississippi. Report to the Bank of the Northeast, Brazil. 1999.

**Dissertation
& Thesis
Work**

Lowe, Nichola. 2003. Trainers by Design: A Case Study of Inter-Firm Learning, Institution Building and Local Governance in Western Mexico. Dissertation. Massachusetts Institute of Technology, Department of Urban Studies and Planning. Advisor: Dr. Paul Osterman.

Lowe, Nichola. 1996. Foreign Direct Investment and Local Development: Divergent Case Studies, Mexico and Taiwan, 1965-1982. Master’s Thesis. University of California, Davis, Department of Human and Community Development. Advisor: Dr. Martin Kenney.

Lowe, Nichola. 1992. Rural Institutions and Village Cooperation: Theory and Practical Application. Senior Thesis. University of California, Berkeley. Department of Agricultural and Resource Economics. Advisor: Dr. Alain de Janvry.

**Invited
Talks,
Seminars &
Workshops**

Biophilic Institutions: Engaging the Commons through Economy-Nature Solidarities. Baumer Lecture. Knowlton School, Ohio State University. Columbus, Ohio. March 22, 2023. <https://youtu.be/0cLRhS05FVY>

Innovation and Opportunity: Creating Workplaces for a Better Tomorrow. Lecture. Humbert Humphrey School of Public Affairs, University of Minnesota. Minneapolis, Minnesota. February 10, 2023.

Institutional Factors that Enable Small and Medium Enterprise Growth. Workshop Presentation. Reimagining the Economy Project. Harvard University Kennedy School of Government. Cambridge, Massachusetts. October 5, 2022.

Biophilic Institutions: Building New Solidarities between Economy and Nature. UNC Working Group on Economic Development. Chapel Hill, North Carolina. September 28, 2022.

Non-Degree Credentials as a Tool for Workplace Development. Webinar participant. Industrial Labor Relations Review Webinar on the Politics of Skills (Cornell University). September 15, 2022.

Biophilic Institutions: Building New Solidarities between Economy and Nature. Public lecture. Department of Human and Economic Geography. Lund University. May 17, 2022.

Inside Out: Labor Geography and Recentering Workplace Influence. National (Swedish) PhD course in Human Geography (Economic Geography). Department of Human and Economic Geography. Lund University. April 7, 2022.

Climate Change and the Future of Work. Lunch Seminar. Department of Human and Economic Geography. Lund University. February 14, 2022.

Building Community Prosperity: Better Economic Development Policies for Local Prosperity. Upjohn Institute. Virtual workforce. October 23, 2020.

Automation and Climate Change: Economic and Workforce Implications for North Carolina. North Carolina Department of Commerce, Economic Development Strategy Working Group. Raleigh, July 15, 2019.

Navigating Entrepreneurial Ecosystems: A Data-Intensive Resource for Studying Institutional Engagement and Connectivity. North Carolina Board of Science and Technology, Quarterly Meeting. Raleigh, March 13, 2017.

Navigating Entrepreneurial Ecosystems: A Data-Intensive Resource for Studying Institutional Engagement and Connectivity. Frontiers of Entrepreneurship Research Conference, Kenan Institute for Private Enterprise. Chapel Hill. February 24, 2017.

How do we create a more inclusive economy with higher-wage job growth and balanced wealth creation? What Next America. Conference. Kenan Institute for Private Enterprise. Chapel Hill. October 14, 2016.

Navigating Entrepreneurial Pathways: An Analysis of Biosciences in the Research Triangle Region. Kauffman Ecosystem Conference. Kauffman Foundation, Kansas City. October 2015.

Power Through Problem Solving: Latino Immigrants and the Inconsistencies of Restructuring. The Global Market of Unskilled Labor Conference. UC Davis, California. October 2013.

Captains of Industry, Please Speak-Up. Response to “History of the ‘New Economy’ Narrative.” UNC Global Research Institute Seminar. April 2013.

Reinterpreting the ‘Skills Mismatch’ Problem. Faculty seminar, Department of City and Regional Planning, UNC. March 2013.

Reinterpreting the ‘Skills Mismatch’ Problem. MDC. Durham, North Carolina. March 2013.

Manufacturing and the Skills Mismatch. TA3 Conference. Cincinnati, Ohio. October 2012.

Hidden Talent. UNC Global Research Institute Seminar. Chapel Hill, North Carolina. April 2012. With Natasha Iskander.

Southern Industrialization, Revisited. Annual Meeting, North Carolina Sociology Association. Winston-Salem, North Carolina. February 2012.

Annual Report 2012. Council for Entrepreneurial Development. Annual meeting, Research Triangle Foundation, North Carolina. January 2012.

Southern Industrialization Revisited: Industrial Recruitment as a Strategic Tool for Local Economic Development. Edward R. Murrow Program Seminar. Chapel Hill, North Carolina. October 2011.

Building Job Quality from the Inside-Out: Mexican Immigrants, Skills, and Jobs in the Construction Industry. UNC Global Research Institute Seminar. Chapel Hill, North Carolina. October 2011. With Natasha Iskander.

Before the Deal: Integrating Industrial Recruitment into Economic Development Planning. UNC Working Group on Economic Development. Chapel Hill, North Carolina. November 2010.

Revealing Talent: Informality and Intermediation as Emergent Pathways for Immigrant Labor Market Incorporation. Kauffman Research Conference on Entrepreneurship Among Minorities and Women. Chapel Hill, North Carolina. June 2008.

Hidden Talent: Skill Formation and Labor Market Incorporation of Latino Immigrants in the United States. University of Toronto, Department of Geography and Planning. Toronto, Ontario. January 2008.

Building for the Future: Immigrant Skills Acquisition in North Carolina's Changing Urban Labor Market. UNC Working Group on Economic Development. Chapel Hill, North Carolina. October 2007. With Jacqueline Hagan.

Building for the Future: Immigrant Skills Acquisition in North Carolina's Changing Urban Labor Market. Center for Urban and Regional Studies. Chapel Hill, North Carolina. December 2007. With Jacqueline Hagan.

Clustering Dynamics in the Medical and Assistive Technologies Sector: An Analysis of Greater Toronto, London and Ottawa. Medical and Assistive Technology Cluster Meeting. Toronto, Ontario. November 2004. With Meric Gertler.

Refereed Circularity in the Making: Lessons for Equitable and Environmentally Sensitive Industrial
Unpublished Regeneration. Association of Collegiate Schools of Planning (ACSP). Chicago, Illinois.
Presentations October 2023. Conference presentation.

Opening Statement on Innovation and Inclusion in the Tenure and Promotion Process. Association of Collegiate Schools of Planning (ACSP). Toronto, Canada. November 4, 2022.

Reimagining Skill and its Role in Job Quality. Industry Studies Association (ISA). Virtual conference (MIT host). June 2021. Conference presentation.

Putting Skill to Work. Author-meets-critics panel presentation. Association of American Geographers (AAG). Virtual conference (University of Washington host). April 2021. Conference presentation.

The Soft Power in Skill: Reimagining Institutional Solutions for Economic Inclusion. Association of Collegiate Schools of Planning (ACSP). Virtual conference (U. of Toronto host). November 2020. Conference presentation.

An Inclusive Innovation Future? Regional Inequality in Europe and the U.S. Conference. Virtual conference (UNC-Chapel Hill host). October 2020. Conference presentation.

Genesis at Work: Advancing Inclusive Innovation through Manufacturing Extension. ACSP. Greenville, South Carolina. October 2019. Conference presentation.

Genesis at Work: Advancing Inclusive Innovation through Manufacturing Extension. Technology Transfer Society conference. Toronto, Canada. September 2019. Conference presentation.

Innovation and Opportunity: Securing Work in an Age of Automation. AAG. Washington DC. April 2019. Conference presentation.

Innovation and Opportunity: Shaping Work in an Age of Automation. ACSP. Buffalo, New York. October 2018. Conference presentation.

Institutionalizing the Maker-Manufacturing Nexus: Implications for Spatial Equity and Generational Integration. Urban Affairs Association. Toronto, Canada. April 2018. Conference presentation. With Tara Vinodrai.

Equity and Inclusion within Next Generation Apprenticeship. Industry Studies Association. Washington D.C. May 2017. Conference presentation.

More than Staying Alive: Immigrants, Labor Standards and Institutional Repurposing. AAG. Conference presentation. Boston, MA April 2017. With Natasha Iskander

Navigating Entrepreneurial Ecosystems: An Analysis of Biosciences in the Research Triangle Region. AAG. San Francisco, CA March 2016. Conference presentation. With Maryann Feldman and Thomas Kemeny.

Growth and Equity Benefits of Inclusive Innovation: Comparing Biopharmaceuticals in North Carolina and Pennsylvania 2000-2010. ACSP. Houston, TX. October 2015. Conference presentation. With Laura Wolf-Powers.

Working in a New Generation: Youth Job Creation and Employer Engagement in Urban Manufacturing. ACSP. Houston, TX. October 2015. Conference Paper. With Julie Stern, John Bryson and Rachel Mulhall

Breaking the Waves: Innovating at the Intersections of Local Economic Development Planning. AAG. Chicago, Illinois, April 2015. Conference Paper. With Maryann Feldman

Working in a New Generation: Youth Job Creation and Employer Engagement in Urban Manufacturing. AAG, Chicago, Illinois, April 2015. Conference Paper. With Julie Stern, John Bryson and Rachel Mulhall.

Understanding biopharmaceutical employment growth in North Carolina: A “Working Regions” Approach. Industry Studies Association. Portland, Oregon. May 2014. Conference presentation. With Laura Wolf-Powers.

From Skills Mismatch to Reinterpretation: Challenges and Solutions for Manufacturing Worker Retention and Recruitment. Labor and Employment Relations Association. Portland, Oregon. May 2014. Conference paper.

Reinterpreting the ‘Skills Mismatch’ Problem: Implications for U.S. Manufacturing and Regional Labor Market Interventions. ACSP. Cincinnati, Ohio. November 2012. Conference Paper.

More than Staying Alive: Immigrants, Labor Standards and Institutional Repurposing. The Society of the Advancement of Socio-Economics (SASE). MIT-Cambridge, Massachusetts. June. 2012. Conference Presentation.

A Moving Target: Rethinking Industrial Recruitment in an Era of Growing Economic Uncertainty. ACSP. Salt Lake City, Utah. October 2011. Conference Paper. With Allan Freyer*.

Mediating Incentive Use: A Time-Series Assessment of Economic Development Deals in North Carolina. ACSP. Salt Lake City, Utah. October 2011. Conference Presentation. With T. William Lester and Allan Freyer*.

Constructing Institutions: How Immigrants are Changing U.S. Labor Markets. AAG. Seattle, Washington. April 2011. Conference Presentation. With Natasha Iskander.

Biotech and BBQ: Retooling Southern Industrial Policy for High-Tech Industry Development and Innovation. AAG. Seattle, Washington. April 2011. Conference Presentation. With Maryann Feldman.

Beyond the Deal: Using Industrial Recruitment as a Strategic Tool for Manufacturing Development. ACSP. Minneapolis, Minnesota. October 2010. Conference Paper.

How are Labor Market Institutions Adapting to Economic Crisis? ACSP. Minneapolis, Minnesota. October 2010. Roundtable presenter.

Tacit Knowledge in Construction: How Well Does it Travel? Industry Studies Association Conference. Chicago, Illinois. May 2010. Conference Paper. With Natasha Iskander.

A Tale of Two Sectors. Divergent Public Sector Intervention in Regional Industrial Restructuring. AAG. Washington D.C., April 2010. Conference Presentation. With Maryann Feldman.

How Invisible Skills Travel: Mexican Construction and Skills Transfer Between the U.S. and Mexico. ACSP. Crystal City. October 2009. Conference Paper. With Natasha Iskander.

Hidden Talent: Tacit Skill Formation and Labor Market Incorporation of Mexican Immigrant Workers in the United States. ACSP. Crystal City. October 2009. Conference Paper. With Natasha Iskander.

Beyond the Deal: Integrating Industrial Recruitment into Economic Development Planning. The ‘Race to the Top’ Workshop: Lincoln Institute of Land Policy. Cambridge, MA, September 2009. Workshop Paper.

Building Skills? Barriers to Immigrant Labor Market Incorporation in North Carolina’s Urban Construction Industry. Industry Studies Association Conference. Chicago, Illinois. May 2009. Conference Paper. With Natasha Iskander.

Revealing Talent: Informality and Intermediation as Emergent Pathways for Immigrant Labor Market Incorporation. ACSP. Chicago, Illinois. July 2008. Conference Paper. With Jacqueline Hagan and Natasha Iskander.

'The Eggplant that Ate Chicago': Translating Technology Fear into Regional Entrepreneurial Advantage. AAG. San Francisco, California. April 2007. Conference Paper. With Maryann Feldman.

Social Inclusion and the Knowledge Economy: How Regional Actors are Reshaping the Skills Expectations and Hiring Practices of 'High-Tech' Employers. ACSP. Fort Worth, Texas. November 2006. Conference Paper.

Making Institutions Matter: Early Lessons from North Carolina's Life Science Manufacturing Initiative. AAG. Chicago, Illinois. March 2006. Conference Paper.

Job Creation and the Knowledge Economy: Early Lessons from North Carolina's Biomanufacturing Initiative. Navigating the Global American South Conference. Chapel Hill, North Carolina. March 2006. Conference Paper.

Job Creation and the Knowledge Economy: Early Lessons from North Carolina's Biomanufacturing Initiative. ACSP. Kansas City, Missouri. October 2005. Conference Paper.

Building on Diversity: Institutional Foundations of Hybrid Strategies in Toronto's Life Sciences Complex. AAG. Denver, Colorado. March 2005. Conference Paper. With Meric Gertler.

Talent in the Face of Tradition: Local Efforts to Mediate Industrial Upgrading and Skill Absorption in Western Mexico. ACSP. Portland, Oregon. October 2004. Conference Paper.

Hybrid Pathways: Diversity and Convergence in Toronto's Life Sciences Innovation System. Innovation Systems Research Network Annual Conference. Vancouver, British Columbia. May 2004. Conference Paper. With Meric Gertler.

Trainers by Design: Small Firm Upgrading and Inclusionary Paths of Inter-Firm Learning in Western Mexico. ACSP. Baltimore, Maryland. November 2002. Conference Paper.

Rethinking Global Commodity Chains in Light of the Case of Jalisco, Mexico. ACSP. Baltimore, Maryland. November 2002. Roundtable Presentation and Discussion.

Beyond Jobs and Exports: Acquiring the Skills and Legitimacy to Better Manage Local Economic Development and Adjustment: The Case of Jalisco Mexico. ACSP. Atlanta, Georgia. November 2000. Conference Paper.

From Lobbying to Local Learning: The Origins of Successful Public-Private Partnering in Jalisco's Traditional Sectors. Alfred P. Sloan Globalization Workshop for Junior Scholars. Napa, California. October 1999. Workshop paper.

From Lobbying to Local Learning: The Origins of Successful Public-Private Partnering in Jalisco's Traditional Sectors. ACSP. Chicago, Illinois. October 1999. Conference paper.

**Grants,
Fellowships
(Grouped by
Title)**

Concrete: Mapping the Path to Decarbonization

Alfred P. Sloan Foundation, 2023-2025
\$250,000 (*PI with Natasha Iskander*)

Made with Equity: Advancing Technology, Racial Equity and Job Quality in US Manufacturing

Siegel Family Endowment, 2021-2024
\$177,000 (*PI with Greg Schrock*) + \$135,000 for UNC Post-Doctoral Fellowship

RTI International, University Scholar Program, 2022-23
\$78,048

Pivoting in a pandemic: Surveying the manufacturing response to COVID-19 in the United States and Canada

Regional Studies Association, Small Grant Scheme, 2021-2023
£4,000 (*Co-investigator with Tara Vinodrai*)

Gearing Up: The Response of Manufacturing Extension to the COVID-19 Pandemic

UNC Collaboratory, 2020
\$50,000 (*PI*)

Monitoring North Carolina's Economic Recovery

UNC Collaboratory, 2020
\$287,028 (*Collaborator, with PIs Noreen McDonald and Nikhil Kaza*)

Climate Change and the Future of Work

UNC Arts and Humanities Research Grant, 2018-2022
\$7,500 (*PI, collaboration with Natasha Iskander, NYU*)

Department of City and Regional Planning, Faculty Research Funds, 2019-2022
\$5,000 (*PI, collaboration with Natasha Iskander, NYU*)

State of North Carolina 2020 Economic Development Plan

North Carolina Department of Commerce, 2019-2020
\$114,000 (*Co-PI, with T. William Lester, Jonathan Morgan and Anita Brown-Graham*)

Apprenticeship 2020 Learning-Centered Evaluation

Chicagoland Workforce Funders Alliance, 2019-2021
\$73,216 for UNC (\$300,000 total budget) with Aspen Institute

Shoring up the Entrepreneurial Ecosystem through Real-Time Data Analysis

Kauffman Foundation, 2017-2019,
\$250,000 (*co-PI, with Maryann Feldman*)

Regional Manufacturing Initiative Evaluation Design and Implementation

Chicagoland Workforce Funders Alliance, 2015-2017
\$87,709 for UNC (\$400,000 total budget) with Aspen Institute and Portland State University [17% effort]

Phase II: April 2018-2019. \$37,000 for UNC [8% effort]

Economic Development Incentives Research

Kauffman Foundation, 2016-2017,
\$58,280 [8% effort] (*PI, with T. William Lester*)

Innovating Infrastructure: A New Platform for Studying Dynamic Regional Economies

National Science Foundation, Cyber-infrastructure, 2014-2017,
\$365,000 [2.4% effort] (52% indirect) (*PI, with Maryann Feldman and Charles Schmitt*)

Circling the Triangle: Understanding Regional Economic Dynamics

National Science Foundation, Science of Science and Innovation Policy, 2013-2017,
\$483,272 [11% effort] (52% indirect) (*PI, with Maryann Feldman*)

Innovation and the ‘Skills Mismatch’ Problem: Implications for Job Growth in U.S. Manufacturing

Associate Professor Support Program, College of Arts and Sciences, UNC, 2012-2017,
\$6,000 (*PI*)

Entrepreneurial Pathways: Understanding Dynamic Regional Economies

Kauffman Foundation, 2015-2016,
\$110,000 [28% effort] (*PI, with Maryann Feldman*)

Working Regions: Rethinking Regional Manufacturing Policy

Regional Studies Association Research Network, 2013-2016
\$5,000 (*Co-organizer, with Jennifer Clark, Marc Doussard, Greg Schrock and Laura Wolf-Powers*)

Safe and Sound: Emerging Pathways for Immigrant Skill Development and Occupational Advancement

Global Research Institute, Faculty Fellowship, UNC, 2011-2012, \$40,000

Institute for the Arts and Humanities, Faculty Fellowship, UNC, Spring 2012, \$20,000

Creating a Cyber-Enabled Infrastructure to Study Regional Economic Transformation

Odum Institute, Seed Grant, UNC, 2010-2011, \$12,000 (*PI, with Maryann Feldman*)

Greening the Workforce: A Pilot Study of the Environmental Awareness of Construction Workers at LEED Building Sites in North Carolina

Institute for the Environment, Research Seed Funding, UNC, 2009-2010, \$3,000 (*PI*)

Hidden Talent: Tacit Skill Formation and Labor Market Incorporation of Mexican Immigrants in the United States

Alfred P. Sloan Foundation Industry Studies Program, Site Visit Grant, 2009-10,
\$4,600, (*PI, with Natasha Iskander*)

Van Huyck Research Fund, Department of City and Regional Planning, UNC, 2009-10,
\$5,000, (*PI, with master’s student Ben Houck*)

Institute for the Study of the Americas, Travel Grant, UNC, 2009-10, \$1,000, (*PI*)

Building for the Future: Immigrant Skills Acquisition in North Carolina's Urban Labor Markets
Department of City and Regional Planning, Development Grant, UNC, 2008-10 \$4,000
(PI)

Community Economic Development Grant Program, UNC, 2007-08, \$18,900
(Lead PI, with Jacqueline Hagan)

Junior Faculty Development Award, College of Arts and Science, UNC, 2007, \$7,500
(PI)

Center for Urban and Regional Studies, Scholar-in-Residence, UNC, Fall 2007, \$11,000
(PI)

Beyond the Deal: Integrating Industrial Recruitment into Economic Development Planning
Lincoln Institute of Land Policy, Race to the Top Program, 2009-10, \$10,000 (PI)

Transitioning to the New Economy: Lessons from North Carolina's Biomanufacturing Training Initiative

North Carolina Biotechnology Center, Education Enhancement Grant, 2006-07, \$39,915
[8% effort] (Lead PI, with Harvey Goldstein)

Office of Economic and Business Development, Research Grant, UNC, 2005-06 \$6,000
(PI)

University Research Council, Faculty Research Grant, UNC, 2005-06, \$3,871 (PI)

Department of City and Regional Planning, Development Grant, UNC, 2005-06 \$2,000
(PI)

Faculty Partners Fund, UNC, Faculty Development Grant, 2005-07, \$6,000 (PI)

Influencing Scientific Standards: The Effects of Biosafety on Entrepreneurial Activity
Kauffman Foundation, Entrepreneurship Research Grant, 2005-07, \$29,518
[7% effort] (Lead PI, with Maryann Feldman)

**Graduate
Fellowships
& Grants**

Inter-American Foundation, Doctoral Research Fellowship, 1999-2000

Ford Development Grant, Center for International Studies, MIT, Cambridge, MA, 1997

International Agricultural Development, Graduate Studies Award, University of California,
Davis, 1996

Traineeships Center for Faculty Excellence. Leadership Fundamentals trainee. College of Arts and Science Nominee. University of North Carolina, Chapel Hill. September – December 2019

Kauffman Minority Entrepreneurship Boot Camp trainee, UNC, 2006

National Science Foundation, Traineeship in Democratization, MIT, Cambridge, MA, 1996-1999

Courses Taught UMN PA 5511 Community Economic Development
PA 8081 Capstone Workshop in Urban and Regional Planning

Courses Taught UNC PLAN 770 Economic Development Policy
PLAN 774 Planning for Jobs: Labor Market Transformation and Employment Policy
PLAN 823 Economic Development Workshop
PLAN 590 Career Development in Planning
PLAN 247 Solving Urban Problems
PLAN 053 First Year Seminar: The Changing American Job
PLAN 110 Planning for the Transformation of North Carolina’s Economy

Professional Service Build Back Better Regional Challenge. North Carolina Biotechnology Center. Advisory Committee member. January – May 2023.

Organizer. Climate and Work Session. Association of Collegiate Schools of Planning. Chicago, Illinois. October 2023.

Co-organizer. Roundtable: A Generative Conversation on Innovation and Inclusion in the Tenure and Promotion Process (ACSP Mentoring Committee sponsored roundtable). Association of Collegiate Schools of Planning. Toronto, Canada. November 2022.

Industry and Inclusion Advisory Group member, Urban Manufacturing Alliance/The Century Foundation. 2022.

Co-organizer. Inclusive Innovation, Sessions I & II. Association of Collegiate Schools of Planning. Greenville, South Carolina. October 2019.

Co-organizer. Carolina Climate Equity Commons (30 + faculty working group). October 2019 – June 2021.

External reviewer. Chicago Metropolitan Agency for Planning (Matthew Stern). Effective local development incentives: Practices and considerations for local governments in northeastern Illinois report. July 2020.

External reviewer. Brookings Institute (Martha Ross). Work-Based Learning report. July 2020.

External reviewer. National Skills Coalition (Katie Brown and Katie Spiker). Equipping Businesses and Workers for the 21st Century report. March 2020.

Strategic planning team member. North Carolina Economic Development Strategic Plan. North Carolina Department of Commerce. May 2019 – April 2020.

Organizer. Reinstitutionalizing Equity, Sessions I-III, Association of American Geographers Conference. Washington DC. April 2019.

Research advisory board member, MIT Work for the Future Initiative. 2018 – 2020.

External advisor. Policy Link (Abbie Langston). Regional Economies in Transition project (Charlotte NC advisor). 2018.

Session co-organizer. Urban Innovation and Inclusion. Urban Affairs Association. Toronto, CA. April 2018.

Co-chair, Economic Development Track, Association of Collegiate Schools of Planning. 2017-2019

Session co-organizer. Economic Development Planning at a Crossroads? A Critical Conversation about our Sub-field. Association of Collegiate Schools of Planning. Denver, Colorado. October 2017.

Session organizer and co-chair. Next Generation Apprenticeship: Opportunities and Challenges for Expansion and Inclusion. Industry Studies Association. Washington D.C. May 2017

Session co-organizer. Placing the Politics of Skill I & II. Association of American Geographers Conference. Boston, MA. April 2017.

External advisor. Research Triangle Institute (Sara Lawrence). Developing Qualitative Innovation Ecosystem Assessment Tools. September 2016–2017.

External advisor. Center for Competitive Capital (Lucy Gorham). Kellogg Credit Score Project March 2017.

Project Proposal Review, Reimagine Retail Project, Aspen Institute, January 2016.

Proposal Review, Dissertation Fellowship Program, Kauffman Foundation, October 2015

FutureWork: Emerging Issues Forum, Working Group member, Institute for Emerging Issues, North Carolina State University. 2015.

Session co-organizer. Inclusive Innovation: An Integrated Agenda for Regional Equity and Economic Development. Association of Collegiate Schools of Planning. Houston, Tx. October 2015.

Expert/external reviewer. Federation University (Erica Smith)/Australian Research Council. Project Recognizing the Skill in Jobs Traditionally Considered Unskilled. July 2015.

Research Advisory Committee member. Appalachian Regional Commission at 50, Center for Regional Economic Competitiveness, December 2014.

Session co-organizer. Symposium on Progressive Labor Market Institutions in the U.S.: New Evidence on State and Local Policy. Labor and Employment Relations Association conference. Portland, Oregon. May 2014.

Session co-organizer. Symposium on Progressive Labor Market Institutions in the U.S.: New Evidence on State and Local Policy. Labor and Employment Relations Association conference. Portland, Oregon. May 2014.

Co-editor. Progressive Planning Magazine, Spring 2013 issue (11 essays), Progressive Planning in the U.S. South (with Pierre Clavel).

Research network co-organizer. Working Regions: Rethinking Regional Manufacturing Policy Regional Studies Association Research Network, 2013-2016

Session co-organizer. Old Tools, New Targets I & II: Innovation or Regression in Economic Development Planning? Association of Collegiate Schools of Planning. Salt Lake City, Utah. October 2011.

Discussant. Regional Clusters of Growth and Decline session. Association of Collegiate Schools of Planning. Salt Lake City, Utah. October 2011.

Advisory Board Member. Laborers International Union of North America, Susan Harwood Capacity Building Development Grant, Green Construction Worker Assessment and Certification, October 2010 – October 2011

Roundtable co-organizer. How are Labor Market Institutions Adapting to Economic Crisis? ACSP. Minneapolis, Minnesota. October 2010.

Moderator. Local, Regional and International Labor Markets. UNC Chapel Hill: Latin American Migration Conference. Chapel Hill, North Carolina. March 2010.

Session co-organizer. Traveling Skills: Institutions and Knowledge Transfer. Industry Studies Association Conference. Chicago, Illinois. May 2010.

Session co-organizer. Immigrant Labor Market Participation in the United States. Association of Collegiate Schools of Planning. Crystal City, Virginia. October 2009.

External reviewer. Report to the Mary Reynolds Babcock Foundation by John Quinterno. When Any Job Isn't Enough Jobs-Centered Development in the American South. 2009.

Session co-organizer. Latino Immigrant Workers in the US Construction Industry: Skill, Place, and In/Formality. Industry Studies Association Conference. Chicago, Illinois. May 2009.

Session co-organizer. The New Regional Politics of the New Economy. Association of American Geographers Conference. San Francisco, California. April 2007.

Advisory Committee Member. Regional Vision Plan Project, Director Harvey Goldstein. University of North Carolina, Chapel Hill. 2006 – 2008

Session co-organizer. Social Inclusion and the Knowledge Economy. Association of Collegiate Schools of Planning. Fort Worth, Texas. November 2006.

Discussant. Toronto Life Science Cluster Panel. Innovation System Research Network Annual Conference. Toronto, Ontario. May 2005.

Consultant, Ontario Ministry of Economic Development, 2003-2004

Consultant, Inter-American Development Bank, 2002-2003

Session co-organizer. Institutions, Innovation and Regional Economic Development: New Institutions for Economic Learning. Association of Collegiate Schools of Planning. Atlanta, Georgia. November 2000.

Session co-organizer and moderator. Regional Development Strategies in a Developing World. Association of Collegiate Schools of Planning. Chicago, Illinois. October 1999.

Co-organizer. Graduate student writing exchange. MIT. 1999-2002.

Journal referee (various years): *Cambridge Journal of Regions, Economy and Society; Economic Development Quarterly; Economic Geography; Growth and Change; Environment and Planning A; Environment and Planning C; GeoForum; Geography Compass; Journal of American Planning Association; Journal of Planning Education and Research; Labor History; Local Economy; Regional Studies; Research Policy; Urban Studies; World Development*

Journal editorial board: Local Economy (North American editor): Geography Compass (former)

Book series editorial board: Routledge/Regional Studies Association – Regions and Cities Book Series

**University
Service
UMN**

Director, Master's of Urban and Regional Planning. Humphrey School of Public Affairs, University of Minnesota, August 2023 – present.

Curriculum Committee member, Humphrey School of Public Affairs, University of Minnesota, August 2023 – present.

Faculty liaison, Minnesota Chapter of the American Planning Association. August 2023 – present.

**University
Service
UNC**

Interim Chair, Department of City and Regional Planning, January – June 2023.

Faculty development committee chair, Department of City and Regional Planning, August – December 2022

Faculty search committee member and diversity advocate, Equity, Engagement and Cities search, Fall 2022.

Faculty and student career development (various workshops and activities). Lund University. Department of Human and Economic Geography. January – June 2022.

Interim Director, UNC Center for Urban and Regional Studies, July 2019 – June 2021.

DCRP 75th Reunion Co-chair, Department of City and Regional Planning, July 2020 – June 2021.

Director Economic Development Specialization, Department of City and Regional Planning, July 2019 – June 2021.

Faculty development committee, Department of City and Regional Planning, March 2021 – June 2021.

Search Committee. Associate Dean for Research & Innovation, College of Arts and Sciences.

Strategic review. Center for Urban and Regional Studies. UNC College of Arts and Sciences January – June 2019.

Reviewer, Department of City and Regional Planning, peer teaching reviews. July 2019 – June 2020.

Reviewer, Arts and Humanities Research Grant. UNC Office of Research Development. November 2019.

Juror, Carsey Research Symposium, UNC Odum Institute. November 2019.

Faculty search selection committee. UNC Shuford Entrepreneurship Program. January – March 2018.

Advisory Council member. Graduate School Professional Development Advisory Council The Graduate School, September 2017 – 2018.

Academic Advisory Committee member, NC Growth, Kenan Institute for Private Enterprise, 2016 – 2020.

Professional development coordinator, Department of City and Regional Planning, July 2017 – June 2018.

Alumni relations coordinator, Department of City and Regional Planning, July 2016 – June 2017.

Review committee member, UNC Global Research Institute Review, 2016.

DCRP 70th Reunion Coordinator, Department of City and Regional Planning, July 2015 – May 2016.

Selection committee member. Kenan Institute for Private Enterprise Economic Development Research Fellowship. 2015-16 & 2016-17.

Director of Master's Admissions, Department of City and Regional Planning, July 2013 – June 2014.

Committee member, Strategic Planning Implementation Committee, Department of City and Regional Planning, January – June 2013.

Selection committee member. Center for Urban and Regional Studies Scholar-in-Residence program. Spring 2013.

Director of the Master's Program, Department of City and Regional Planning, July 2011– February 2012.

Director of the Minor Program, Department of City and Regional Planning, July 2008 – June 2013.

Director of the Dual-Degree Programs, Department of City and Regional Planning, July 2008 – June 2013.

DELTA Internal Advisory Committee, Institute for the Environment, 2010 – 2012.

Faculty search committee member, Economic Development search, Fall 2009.

Faculty search committee member, Economic Development search, Fall 2008.

Selection committee member. Community Economic Development Research Grants Program. 2008.

Faculty supervisor. NSF Alliance for Graduate Education and the Professoriate. Summer 2007, 2008.