Curriculum Vitae
Mark Igra

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Education

Graduate Student, Masters, Sociology PhD Program, University of Washington 2017-Present

MA Sociology. Thesis: Network Replication of Inequality in Medical Crowdsourced Funding 2020

AB Computer Science and Economics with Honors, University of California, Berkeley 1986

Sociology Publications

Igra, Mark, Nora Kenworthy, Cadence Luchsinger, and Jin-Kyu Jung. 2021. "Crowdfunding as a Response to COVID-19: Increasing Inequities at a Time of Crisis." *Social Science & Medicine* 282:114105.

Igra, Mark. 2021. "Donor Financial Capacity Drives Racial Inequality in Medical Crowdsourced Funding." *Social Forces*.

Sociology Work in Progress

Quinn, Sarah, **Mark Igra**, and Selen Guler. (Forthcoming 2021). "A Modern Financial Tool-kit": Lessons from Berle for a More Democratic Financial System." Invited chapter for Real Utopias volume on Democratizing Finance.

Kenworthy, Nora, **Mark Igra** (Revised and Resubmitted). Does Medical Crowdfunding in the US Fill Health System Gaps? Data From a Large Cross-Sectional Study.

Conference Presentations

Igra, Mark, 2020, "Network Reproduction of Inequality: The Case of Medical Crowdfunding." Digital Economy Section, Society for the Advancement of Socio-Economics (SASE), 2020

Igra, Mark, 2020, "Network Replication of Inequality in Medical Crowdsourced Funding." Social Networks and Health Section, American Sociological Association (ASA), 2020

Güler, Selen and **Mark Igra**, 2019. "I See Where You're Coming from…and It Matters: How Migrant Origin Shapes Support for Social Programs." Roundtable, ASA 2019.

Strategies for Sustainable Open Source Projects for Clinical and Translational Research: Lessons from the Trenches. Panelist. American Medical Informatics Association Summit on Translational Bioinformatics, 2014.

Other Publications

McColgin, David, Paul Hoover, and **Mark Igra**. 2016. "The DataSpace for HIV Vaccine Studies." Pp. 31–40 in 2016 IEEE Conference on Visual Analytics Science and Technology (VAST). IEEE.

Nelson, Elizabeth K., Britt Piehler, Adam Rauch, Sarah Ramsay, Drienna Holman, Smita Asare, Adam Asare, and **Mark Igra**. 2013. "Ancillary Study Management Systems: A Review of Needs." BMC Medical Informatics and Decision Making 13(1):5.

Piehler, Britt, Elizabeth K. Nelson, Josh Eckels, Sarah Ramsay, Karl Lum, Blake Wood, Kelli M. Greene, Hongmei Gao, Michael S. Seaman, David C. Montefiori, and **Mark Igra**. 2011. "LabKey Server NAb: A Tool for Analyzing, Visualizing and Sharing Results from Neutralizing Antibody Assays." BMC Immunology 12(1):33.

Nelson, EK, B. Piehler, J. Eckels, A. Rauch, M. Bellew, P. Hussey, S. Ramsay, C. Nathe, K. Lum, K. Krouse, D. Stearns, B. Connoly, T. Skillman, and **M. Igra.** 2011. "LabKey Server: An Open Source Platform for Scientific Data Integration, Analysis and Collaboration." BMC Bioinformatics 12(1):71.

Kelly-Spratt, Karen S., A. Erik Kasarda, **Mark Igra**, and Christopher J. Kemp. 2008. "A Mouse Model Repository for Cancer Biomarker Discovery." Journal of Proteome Research 7(8):3613–3618.

Jones, AR, M. Miller, R. Aebersold, R. Apweiler, CA Ball, A. Brazma, J. DeGreef, N. Hardy, H. Hermjakob, SJ Hubbard, N. Hardy, H. Hermjakob, SJ Hubbard, P. Hussey, **M. Igra**, H. Jenkins, RK Jr. Julian, K. Laursen, SG Oliver, NW Paton, S. Sansone, U. Sarkans, CJ Jr. Stoeckert, CF Taylor, PL Whetzel, JA White, P. Spellman, and A. Pizarro. 2007. "The Functional Genomics Experiment Model (FuGE): An Extensible Framework for Standards in Functional Genomics." Nature Biotechnology 25(10):1127.

Bellew, M., M. Coram, M. Fitzgibbon, **M. Igra**, T. Randolph, P. Wang, D. May, J. Eng, R. Fang, C. Lin, J. Chen, D. Goodlett, J. Whiteaker, A. Paulovich, and MW McIntosh. 2006. "A Suite of Algorithms for the Comprehensive Analysis of Complex Protein Mixtures Using High-Resolution LC-MS." Bioinformatics 22(15):1902–1909.

Rauch, A., M. Bellew, J. Eng, M. Fitzgibbon, T. Holzman, P. Hussey, **M. Igra**, B. Maclean, C. W. Lin, A. Detter, D. States, S. Hanash, A. Paulovich, and MW McIntosh. 2006. "Computational Proteomics Analysis System (CPAS): An Extensible, Open-Source Analytic System for Evaluating and Publishing Proteomic Data and High Throughput Biological Experiments." J Proteome Res 5(1):112–121.

Professional Positions

Board of Directors, LabKey Software	2014-2020
Entrepreneur in Residence, Providence Health Systems	2016-2017
Founding Partner, LabKey Software	2005-2014
Staff Scientist, Fred Hutchinson Cancer Research Center	2003-2005
Director of Product Design, BEA Systems (Acquired by Oracle)	2002-2003
Founder, VP Products, Westside.com Inc. (Acquired by BEA Systems)	1999-2002
Sr. Program Manager, Microsoft Corporation	1997-1999
Program Manager, Microsoft Corporation	1989-1997
Software Architect, Niles Software	1986-1989

Published Software

LabKey Server 2.0-14.2, LabKey Corporation, Seattle, WA (2007-2014)

Computational Proteomics Analysis System (CPAS) 1.0-1.7, Fred Hutchinson Cancer Center, Seattle WA (2005-2007)

WebLogic Workshop 8.1, BEA Systems, San Jose, CA, (2003)

Westside 1.0-2.1, Westside.com Inc, Seattle, WA (2000-2001)

Microsoft Excel 2000, Microsoft Corporation, Redmond, WA (1999)

Microsoft Office Web Components, Microsoft Corporation, Redmond, WA (1999)

Microsoft Excel 1997, Microsoft Corporation, Redmond, WA (1997)

Visual Basic for Applications 1.0 (Component of Microsoft Visual Basic, Microsoft Office, Microsoft Project), Microsoft Corporation, Redmond, WA (1994)

COM Automation (Component of Microsoft Windows), Microsoft Corporation (1993)

EndNote 1.0, Niles & Associates, Berkeley, CA (1988)

Patents

Igra, MS. US Patent No. 7,971,138, Common design for web pages through employment of master specifications (2011)

Igra MS, Matteson EL, Milton AMP. US Patent No. 6,701,485, Binding spreadsheet cells to objects. (2004)

Corbett, T, Golde, PH, **Igra, MS**, Lovering, BH, US Patent No. 5,689,709, Method and system for invoking methods of an object. (1997)

5 Other U.S. Patents.