

December 2008

## CURRICULUM VITAE

Mark R. Rosenzweig

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### EMPLOYMENT

2005- Frank Altschul Professor of International Economics, Yale University  
2006- Director, Economic Growth Center, Yale University  
2004-2005 Director, Center for International Development, Harvard University  
2002-2005 Mohamed Kamal Professor of Public Policy, Kennedy School, Harvard University  
2001-2002 Walter H. Annenberg Professor in the Social Sciences, University of Pennsylvania  
1999-2000 Visiting Professor, Center for Research on Economic Development and Policy Reform, Stanford University  
1996-2001 Chair, Department of Economics, University of Pennsylvania  
1990-2001 Professor of Economics, University of Pennsylvania  
1990- Research Associate, Population Studies Center, University of Pennsylvania  
1990- Member, Graduate Group, South Asia Regional Studies, University of Pennsylvania  
1982-1990 Professor of Economics, University of Minnesota  
Spring 1986 Visiting Professor of Economics, University of Chicago  
1982-1990 Co-Director, Economic Development Center, University of Minnesota  
1979-1982 Associate Professor of Economics, University of Minnesota  
Spring 1982 Visiting Associate Professor of Economics, Princeton University  
1976-1977 Visiting Fellow, Office of Population Research, Princeton University  
1979-1980 Director of Research, Select Commission on Immigration and Refugee Policy, Washington, D.C.  
1978-1979 Associate Professor of Economics, Yale University  
1978-1979 Assistant Director, Economic Growth Center, Yale University  
1973-1978 Assistant Professor of Economics, Yale University

## FELLOWSHIPS AND HONORS

2006	Fellow of the Society of Labor Economists
2005	Martha and Jonathan Cohen Distinguished Visitor, PIER, University of Pennsylvania
1995	Wei Lun Visiting Professor, Chinese University of Hong Kong
1994-	Fellow, Econometric Society
1976-1977	Social Science Research Council Research Training Fellowship
1976-1977	National Institutes of Health Research Service Award
1972-1973	Woodrow Wilson Dissertation Fellowship
1969-1973	Columbia University Faculty Fellowship
1969-1972	Herbert H. Lehman Fellowship in the Social Sciences

## EDUCATION

Certificate in Demography	Princeton University, 1977
Ph.D.	Columbia University (with distinction), 1973
M.A.	Columbia University, 1971
B.A.	Columbia College, 1969 London School of Economics, 1968-1969

## RECENT PROFESSIONAL ACTIVITIES

Editor, Journal of Development Economics, 2004-

Co-Editor, Journal of Development Economics, 1995-2003

Member, Editorial Board, World Bank Economic Review, 1991-2004

Member, Board of Editors, Journal of Economic Literature, 1988-90, 2000-2005

Member, Editorial Board, Pakistan Development Review, 1996-

Associate Editor, Review of Economics and Statistics, 1995-2007.

Member, Editorial Board, Human-Environment Interactions Book Series, University of Michigan Press.

Elected, Executive Committee, American Economic Association, 2002-2005.

Chair, Publications Committee, American Economic Association, 2004-2005.

Member, Publications Committee, American Economic Association, 2003-2004, 2005-2006

Member, External Advisory Panel, International Monetary Fund, 2004-2007.

Member, Committee on the Human Dimensions of Global Change, NRC, National Academy of Sciences, 1998-2004

Member, Panel on New Research on Population and The Environment, NRC, National Academy of Sciences, 2003-2004.

Member, External Review Committee, Brown University Economics Department, 2000.

Member, Nominating Committee, American Economic Association, 1997-99.

Member, Panel on Human Dimensions of Seasonal-to-Interannual Climate Variability, Committee on the Human Dimensions of Global Change, NRC, National Academy of Sciences, 1997-98.

Invited named lectures: Simon Kuznets Memorial Lectures, Yale University, 1991; J. Fish and Lillian F. Smith Chair Lecture, Brigham Young University, 1995; Iqbal Memorial Lecture, Pakistan Institute for Economic Development, 1997; Carlos Diaz-Alejandro Lecture, Latin American Econometric Society Meetings, Bogota, Colombia, 2007, D. Gale Johnson Memorial Lecture, University of Chicago, 2009.

## PAPERS

“The Efficacy of Parochial Politics: Caste, Commitment, and Competence in Indian Local Governments,” August 2008 (with Kaivan Munshi).

“Altruism, Favoritism, and Guilt in the Allocation of Family Resources: Sophie’s Choice in Mao’s Mass Send Down Movement,” July 2008 (with Hongbin Li and Junsen Zhang).

“Health and Schooling in a Growing Brute-Force Economy,” December 2008 (with M. Pitt and M. N. Hassan).

“Why is Mobility in India so Low? Social Insurance, Inequality and Growth,” BREAD Discussion Paper No. 97, July 2007, revise and resubmit, Econometrica, (with K. Munshi).

“Short- and Long-Term Health Effects of Burning Biomass in the Home in Low-Income Countries,” August 2008, (with M. Pitt and Md. Nazmul Hassan).

“Consequences of Migration for Developing Countries,” June 2005, Prepared for United Nations Expert Group Meeting on International Migration and Development, Population Division, Department of Economic and Social Affairs, July 6-8, 2005.

“Inequality and the Sustainability of Agricultural Productivity Growth: Groundwater and the Green Revolution in Rural India,” September 2007 (with A. Foster).

“Agricultural Development, Industrialization and Rural Inequality,” April 2004, (with A. Foster)

“Missing Women, the Marriage Market, and Economic Growth,” (with A. D. Foster), revise and resubmit, Economic Journal.

“Population Growth, Income Growth and Deforestation: Management of Village Common Land in India,” (with A. D. Foster and J. R. Behrman), revise and resubmit, Review of Economics and Statistics.

“The Earnings of U.S. Immigrants: World Skill Prices, Selectivity and Transferability,”(with J. Smith and G. Jasso), revise and resubmit, Econometrica.

“Democratization, Decentralization, and the Distribution of Local Public Goods in a Poor Rural Economy,” (with A. Foster), revise and resubmit, American Economic Review.

## PUBLICATIONS

### *Books and Edited Journal Issues:*

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Handbook of Development Economics, Volume 5, Amsterdam: North Holland, forthcoming (ed. with Dani Rodrik.).

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Handbook of Population and Family Economics, Amsterdam: North Holland, 1997 (ed. with O. Stark).

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The New Chosen People: Immigrants in the United States, New York: Russell Sage Foundation (Census Monograph Series), 1990, (with G. Jasso).

Contractual Arrangements, Employment and Wages in Rural Labor Markets: A Critical Review, New York: Agricultural Development Council, 1982, (with H. P. Binswanger).

### Books Edited:

Contractual Arrangements, Employment and Wages in Rural Labor Markets in South Asia, New Haven: Yale University Press, 1984 (ed. with H. P. Binswanger).

The Theory and Experience of Economic Development: Essays in Honor of Sir W. Arthur Lewis, London: Allen and Unwin Press, 1982 (ed. with C. Diaz-Alejandro, M. Gersovitz, and G. Ranis).  
Special Journal Issue Edited:

“Diversity and Comparability: International Migrants in Host Countries on Four Continents,”  
International Migration Review, Spring 1995 (ed. with Wilawan Kanjanapan).

“Schooling and School Reform in Low-Income Countries,” Journal of Development Economics, April 2004 (with Anjini Kochar).

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### *Articles and Book Chapters:*

“Do Population Control Policies Induce More Human Capital Investment? Twins, Birthweight, and China's 'One Child' Policy,” Review of Economic Studies, forthcoming (with Junsen Zhang).

“Selection Criteria and the Skill Composition of Immigrants: A Comparative Analysis of Australian and US Employment Immigration,” in Bhagwati, J. And G. Hanson, eds., Skilled Immigration Today, Oxford University Press, forthcoming (with G. Jasso).

“Higher Education and International Migration in Asia: Brain Circulation,” in Bourignon, Francois, eds., ABCDE World Bank Conference, Oxford University Press, 2008.

“From Illegal to Legal: Estimating Previous Illegal Experience among New Legal Immigrants to the United States,” International Migration Review. Vol. 42, No. 4, Winter 2008 (with G. Jasso,

D. Massey and J. Smith).

“Openness and Poverty Reduction in the Short and Long Run,” in The Future of Globalization, ed. by Ernesto Zedillo, New York, Routledge, 2008.

“The Circulation Migration of the Skilled and Economic Development,” Migration, Trade and Development: Conference Proceedings, James Hollifield, Pia Orrenius and Thomas Osang, eds., Federal Reserve Bank of Dallas, 2008.

“Global Wage Differences and International Student Flows,” in Susan Collins and Carol Graham (eds.), Brookings Trade Forum: Global Labor Markets, 2007.

“Does Economic Growth Reduce Fertility? Rural India 1971-1999,” in Bery, Suman and Arvind Panagariya (eds.) India Policy Forum 2006-07, Brookings and NCAER, 2007 (with A. Foster).

“Rural Nonfarm Employment Generation and Rural Out-migration in South Asia,” Schultz, T. Paul (ed.) Handbook of Agricultural Economics, Volume 4, 2008 (with A. Foster).

“Network Decay in Traditional Economies,” in Polodny, Joel and James E. Rauch, The Missing Links: The Formation and Decay of Networks, Russell Sage Foundation Press, 2007 (with K. Munshi).

“Traditional Institutions Meet the Modern World: Caste, Gender and Schooling Choice in a Globalizing Economy,” American Economic Review, September 2006 (with K. Munshi).

“Parental Wealth and Adult Children’s Welfare in Marriage,” Review of Economics and Statistics, May 2006 (with J. R. Behrman).

“Does Increasing the Schooling of Women Increase the Schooling of the Next Generation? Reply”, American Economic Review, December 2005 (with J. Behrman).

“Economic Development and the Decline of Rural and Urban Community-Based Networks,” Economics of Transition (13), 3, July 2005 (with K. Munshi).

“Marriage, Networks and Jobs in Third World Cities.” Journal of the European Economic Association, 2(2-3):437-446, (with N. Luke and K. Munshi).

“Alternative Perspective on Immigration,” in Bjorn Lomborg, ed., Global Crises, Global Solutions, Cambridge University Press, 2004

“Returns to Birthweight,” Review of Economics and Statistics, May 2004 (with J Behrman).

“Parental Allocations to Children: New Evidence on Bequest Differences Among Siblings,” Review of Economics and Statistics, May 2004 (with J Behrman).

“Technological Change and the Distribution of Schooling: Evidence from Green-Revolution India,” Journal of Development Economics, April 2004 (with A. Foster).

“Marriage, Networks and Jobs in Third World Cities,” Journal of the European Economic Association, forthcoming (with N. Luke and K. Munshi).

“Agricultural Productivity Growth, Rural Economic Diversity, and Economic Reforms: India,

1970-2000,” Economic Development and Cultural Change, April 2004 (with A. Foster).

Immigrant Health, Selectivity and Acculturation,” in Norman B. Anderson, Randy A. Bulatao, and Barney Cohen, ed., Critical Perspectives on Racial and Ethnic Differences in Health in Late Life, National Academy of Sciences Press, 2004 (with G. Jasso, D. Massey, and J. Smith).

“Payoffs from Panels in Low-Income Countries: Economic Development and Economic Mobility,” American Economic Review Papers and Proceedings, May 2003.

“Economic Growth and the Rise of Forests,” Quarterly Journal of Economics, May 2003 (with A. Foster).

“Household Division and Rural Economic Growth,” Review of Economic Studies, November 2002 (with A. Foster).

“Lessons from Analogous Public Education Campaigns,” in Thomas Dietz and Paul Stern, eds., New Tools for Environmental Protection: Education, Information, and Voluntary Measures, National Academy Press, 2002.

“Does Economic Growth Increase the Demand for Schools? Evidence from Rural India, 1960-2000,” in A. O. Krueger, ed., Indian Economic Prospects: Advancing Policy Reform, University of Chicago Press, 2002.

“Does Increasing the Schooling of Women Increase the Schooling of the Next Generation?,” American Economic Review, March 2002 (with J. Behrman).

“Imperfect Commitment, Altruism and the Family: Evidence from Transfer Behavior in Low-Income Rural Areas,” Review of Economics and Statistics, August 2001 (with A. Foster).

“Savings in Low-Income Countries,” Oxford Review of Economic Policy, Spring 2001.

“‘Natural’ Natural Experiments in Economics,” Journal of Economic Literature, December 2000 (with K. Wolpin).

“Financial Intermediation, Transfers and Commitment: Do Banks Crowd Out Private Insurance Arrangements in Low-Income Rural Areas?,” in Sharing the Wealth: Demographic Change and Economic Transfers Between Generations, Andrew Mason and Georges Tapinos, ed., Oxford: Oxford University Press, (with A. Foster), 2000.

“The New Immigrant Survey Pilot: Overview and New Findings About Legal Immigrants at Admission,” Demography, (with G. Jasso, D. Massey, and J. Smith), February 2000.

“Assortative Mating among Married New Legal Immigrants in the United States: Evidence from the New Immigrant Survey Pilot,” International Migration Review, (with G. Jasso, D. Massey, and J. Smith), April 2000.

“Schooling, Learning and Economic Growth,” in Back to Shared Prosperity: The Growing Inequality of Wealth and Income in America, Ray Marshall, ed., New York: M. E. Sharpe, 2000.

“Family, Schooling, Religiosity Among New Legal Immigrants,” in Tomasi, Lydio and Mary G. Powers, ed., Immigration Today, Center for Migration Research, (with G. Jasso, D. Massey and J. Smith), 2000.

“Welfare, Marital Prospects and Nonmarital Childbearing,” Journal of Political Economy, December 1999.

“The Returns to Schooling: New Evidence from Twins Data,” Economics of Education Review, (with J. Behrman), August 1999.

“Female Schooling, Home Teaching, and Economic Growth,” Journal of Political Economy, (with J. R. Behrman, A. D. Foster, and P. Vashishtha), August 1999.

“The Changing Skill of New Immigrants to the United States: Recent Trends and Their Determinants,” in George J. Borjas, ed., Issues in the Economics of Immigration, NBER, University of Chicago Press, (with G. Jasso and J. Smith), 1999.

“Schooling, Growth and Aggregate Data,” in Development, Duality, and the International Regime: Essays in Honor of Gustav Ranis, T.N. Srinivasan and Gary Saxonhouse, eds., The University of Michigan Press, 1998.

“Dynamic Savings Decisions in Agricultural Environments with Incomplete Markets,” Journal of Business and Economic Statistics, April 1997, (with J. R. Behrman and A. D. Foster).

"The Effects of Improved Nutrition, Sanitation and Water Quality on Child Health in Low-Income Populations," Journal of Econometrics, February 1997, (with L.F. Lee and M. M. Pitt).

"The Dynamics of Agricultural Production and the Calorie-Income Relationship," Journal of Econometrics, February 1997, (with J. Behrman and A. D. Foster).

“Introduction: Population and Family Economics,” Handbook of Population and Family Economics, Mark R. Rosenzweig and Oded Stark, eds., Amsterdam: North Holland, 1997, (with O. Stark).

"Comparative Advantage, Information, and the Allocation of Workers to Tasks: Evidence from an Agricultural Labor Market," Review of Economic Studies, November 1996, (with A.D. Foster).

"Technical Change and Human Capital Returns and Investments: Evidence from the Green Revolution," American Economic Review, September 1996, (with A. D. Foster).

“College Choice and Wages: Estimates Using Data on Female Twins,” Review of Economics and Statistics, November 1996, (with J. R. Behrman and P. Taubman).

“When Investing in Education Matters and When It Does Not,” Challenge, March-April 1996.

"Learning by Doing and Learning from Others: Human Capital and Technical Change in Agriculture," Journal of Political Economy, December 1995, (with A. D. Foster).

"Location-Specific Technical Change, Human Capital and Local Economic Development: the Indian Green Revolution Experience," in H. Siebert, ed., Locational Competition and the World Economy, Kiel: Kiel Institute of World Economics, 1995, (with J. R. Behrman and P. Vashishtha).

“Migration, Information, and Strategic Behavior: Theory and Evidence,” International Regional Science Review, 1996.

“Do Immigrants Screened for Skills Do Better than Family Reunification Immigrants?”

International Migration Review, Spring 1995, (with G. Jasso).

"Why are There Returns to Schooling?" American Economic Review, Papers and Proceedings, May 1995.

"Sisters, Siblings and Mothers: The Effects of Teen-Age Childbearing on Birth Outcomes in a Dynamic Family Context," Econometrica, March 1995, (with K. I. Wolpin).

"Endowments and the Allocation of Schooling in the Family and in the Marriage Market: The Twins Experiment," Journal of Political Economy, December 1994, (with J. R. Behrman and P.A. Taubman).

"Parental and Public Transfers to Young Women and their Children," American Economic Review, December 1994, (with K. I. Wolpin).

"Inequality Among Young Adult Siblings, Public Assistance Programs and Intergenerational Living Arrangements," Journal of Human Resources, Winter 1994, (with K. I. Wolpin).

"A Test for Moral Hazard in the Labor Market: Contractual Arrangements, Efficiency, and Health," Review of Economics and Statistics, May 1994, (with A. Foster).

"Labor Immigration, Family Reunification, and Immigration Policy: the U.S. Experience," in Migration and International Cooperation, OECD, 1994, (with G. Jasso).

"Human Capital, the Family and Economic Development," in Sisay Asefa and Wei-Chiao Huang, eds., Human Capital and Economic Development, Kalamazoo: Upjohn Institute Press, 1994.

"Health, Nutrition and Work," in Vernon W. Ruttan, ed., Health and Sustainable Agricultural Development, Westview Press, 1994.

"Are There Increasing Returns to the Intergenerational Production of Human Capital? Maternal Schooling and Child Intellectual Achievement," Journal of Human Resources, Spring 1994, (with K. I. Wolpin).

"*Caveat Emptor*: Cross-country Data on Education and the Labor Force," Journal of Development Economics, June 1994, (with J. R. Behrman).

"Intergenerational Family Relations in Rural India," Ageing International, August 1994.

"Transfers from Parents to their Adult Children in Developed and Developing Countries," in Aging and the Family: Proceedings of the United Nations International Conference on Aging Populations in the Context of the Family, New York: United Nations, 1994.

"Information, Learning and Wage Rates in Low-Income Rural Areas," Journal of Human Resources, Fall 1993 (with A. Foster) [reprinted in Schultz, T. Paul, ed., Investment in Women's Human Capital, Chicago: University of Chicago Press, 1995].

"Determinants and Consequences of the Placement of Government Programs in Indonesia," World Bank Economic Review, September 1993 (with M. M. Pitt and D. Gibbons) [reprinted in van de Walle, D. and K. Nead, ed., Public Spending and the Poor: Theory and Evidence, Baltimore and London: The Johns Hopkins University Press, 1996.]

"Women, Insurance Capital, and Economic Development in Rural India," Journal of Human Resources, Fall 1993 [reprinted in Schultz, T. Paul, ed., Investment in Women's Human Capital, Chicago: University of Chicago Press, 1995].

"How Infrastructure and Financial Institutions Affect Agricultural Output and Investment in India," Journal of Development Economics, August 1993, (with H. P. Binswanger and S. R. Khandker).

"Credit Market Constraints and the Accumulation of Durable Production Assets in Low- Income Countries: Investments in Bullocks," Journal of Political Economy, April 1993, (with K. Wolpin).

"Wealth, Weather Risk and the Composition and Profitability of Agricultural Investments," Economic Journal, January 1993, (with H. Binswanger).

"Intergenerational Support and the Life-Cycle Incomes of Parents and Adult Sons," Journal of Labor Economics, January 1993, (with K. I. Wolpin).

"Rational Expectations and *Ex Post* Rationalizations: The Value of Subjective Measures of Excess Fertility," Journal of Human Resources, Spring 1993, (with K. I. Wolpin).

"Information Flows and Discrimination in Labor Markets in Low-Income Countries," Proceedings of the 1992 World Bank Annual Conference on Development Economics, World Bank Economic Review, March 1993 (with A. Foster).

"Inequality at Birth: The Scope for Policy Interventions," Journal of Econometrics, October 1991, (with K. I. Wolpin).

"Who Receives Medical Care? Income, Implicit Prices and the Distribution of Medical Services Among Pregnant Women in the United States," Journal of Human Resources, Fall 1991, (with T.P. Schultz).

"Credit Markets, Wealth and Endowments in Rural South Asia," in I. Adelman, ed., Industry and Agriculture in Economic Development, London: Macmillan Press, forthcoming, (with H. P. Binswanger).

"Productivity, Health and Inequality in the Intrahousehold Distribution of Food in Low-Income Countries," American Economic Review, December 1990 (with M. M. Pitt and M. N. Hassan).

"Estimating the Intrafamily Incidence of Illness: Child Health and Gender Inequality in the Allocation of Time in Indonesia," International Economic Review, November 1990, (with M. M. Pitt).

"Population Growth and Human Capital Investments: Theory and Evidence," Journal of Political Economy, October 1990.

"Intrahousehold Distribution: Economic Models and Evidence," United Nations Food and Nutrition Bulletin, 1990.

"Self Selection and the Earnings of Immigrants: Comment," American Economic Review, March 1990, (with G. Jasso).

"Sponsors, Sponsorship Rates and the Immigration Multiplier," International Migration Review,

Winter 1989, (with G. Jasso).

"Consumption Smoothing, Migration and Marriage: Evidence from Rural India," Journal of Political Economy, August 1989, (with O. Stark).

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"Migration Selectivity and the Effects of Public Programs," Journal of Public Economics, June 1989, (with K. I. Wolpin).

"Schooling, Information and Non-Market Productivity: Contraceptive Use and Its Effectiveness," International Economic Review, May 1989, (with T. P. Schultz).

"From Land Abundance to Land Scarcity: The Effects of Population Growth on Production Relations in Agrarian Economies," in R. D. Lee, ed., Population and Rural Development, Oxford: Oxford University Press, 1989, (with H. P. Binswanger and J. McIntire).

"English Language Skill Acquisition, Labor Markets and Locational Choice: The Foreign-Born in the United States, 1990 and 1980, in A. Schlottman, and J. van Dijk, eds., Migration and Labor Market Adjustment, Kluwer Academic Press, 1989, (with G. Jasso).

"Risk, Implicit Contracts and the Family in Rural Areas of Low-Income Countries," Economic Journal, December 1988.

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"Heterogeneity, Intrafamily Distribution and Child Health," Journal of Human Resources, Fall 1988, (with K. I. Wolpin).

"Labor Markets in Low-Income Countries: Distortions, Mobility and Migration," in H. Chenery and T. N. Srinivasan, eds., Handbook of Development Economics, in Amsterdam: North Holland Press, 1988.

"The Stability of Household Production Technology: A Replication," The Journal of Human Resources, Fall 1988, (with T. Paul Schultz).

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"Risk, Private Information and The Family," American Economic Review, Papers and Proceedings, May 1988.

"Using National Recording Systems for the Measurement and Analysis of Immigration to the United States," International Migration Review, Spring 1988, (with G. Jasso).

"Human Capital, Population Growth and Economic Development: Beyond Correlations," Journal of Policy Modeling, February 1988.

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"Fertility and Investments in Human Capital: Consequences of Imperfect Fertility Control in Malaysia," Journal of Econometrics, Special Issue on Development, September 1987, (with T. Paul Schultz).

"How Well Do U.S. Immigrants Do? Vintage Effects, Emigration Selectivity and the Occupational Mobility of Immigrants," Research in Population Economics 7, 1987, (with G. Jasso).

"Family Planning," in J. Eatwell, M. Milgate and P. Newman, eds., The New Palgrave: A Dictionary of Theory and Doctrine, London: Macmillan Press Ltd., 1987.

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"Family Reunification and the Immigration Multiplier: U.S. Immigration Law, Origin-Country Conditions, and the Reproduction of Immigrants," Demography, August 1986, (with G. Jasso).

"Evaluating the Effects of Optimally Distributed Public Programs: Child Health and Family Planning Interventions," American Economic Review, June 1986, (with K. Wolpin).

"Behavioral and Material Determinants of Production Relations in Agriculture," Journal of Development Studies, April 1986, (with H. P. Binswanger)[reprinted in Development Economics, Volume II, Deepak Lal, ed., Edward Elgar Publishing Company, 1992].

"Birth Spacing and Sibling Inequality: Asymmetric Information within the Household," International Economic Review, February 1986.

"Estimation of the Level and Timing of Fertility Control from Reports of Children Ever Born," Genus, Spring 1986, (with B. Boulier).

"Program Interventions, Intrahousehold Distribution and the Welfare of Individuals: Modeling Household Behavior," in C. K. Wilber, ed., The Methodological Foundations of Development Economics, Special Issue, World Development, February 1986.

"What's in a Name? Country-of-Origin Influences on the Earnings of Immigrants in the United States," Research in Human Capital and Development 5, 1986 (G. Jasso).

"Agricultural Prices, Food Consumption and the Health and Productivity of Farmers," in I. Singh, L. Squire and J. Strauss, eds., Agricultural Household Models: Extensions and Applications, Baltimore: Johns Hopkins Press, 1986 (with M. Pitt).

"The Supply of and Demand for Births: Fertility and Its Life-Cycle Consequences," American Economic Review, December 1985 (with T. P. Schultz).

"Specific Experience, Household Structure and Intergenerational Transfers: Farm Family Land and Labor Arrangements in Developing Countries," Quarterly Journal of Economics, Supplement 1985, (with K. Wolpin).

"Health and Nutrient Consumption Across and Within Farm Households," The Review of Economics and Statistics, May 1985, (with M. Pitt).

"Schooling, Search and Spouse Selection: Testing Economic Theories of Marriage and Household Behavior," Journal of Political Economy, August 1984, (with B. Boulier).

"Contractual Arrangements, Employment and Wages in Rural Labor Markets: A Critical Review," in H. P. Binswanger and M. R. Rosenzweig, eds., Contractual Arrangements, Employment and Wages in Rural Labor Markets of Asia, New Haven: Yale University Press, 1984, (with H. P. Binswanger).

"Determinants of Wage Rates and Labor Supply Behavior in the Rural Sector of a Developing Country," in H.P. Binswanger and M. R. Rosenzweig, eds., Contractual Arrangements, Employment and Wages in Rural Labor Markets of Asia, New Haven: Yale University Press, 1984.

"Market Opportunities, Genetic Endowments and Intrafamily Resource Allocation: Reply," American Economic Review, June 1984, (with T. P. Schultz).

"Estimating a Household Production Function: Heterogeneity, the Demand for Health Inputs and Their Effects on Birthweight," Journal of Political Economy, October 1983, (with T. P. Schultz).

"Consumer Demand and Household Production: The Relationship Between Fertility and Mortality," American Economic Review, Papers and Proceedings, May 1983, (with T. P. Schultz).

"Wage Structure and Sex-Based Wage Inequality: The Family as Intermediary," Population and Development Review, September 1982.

"Market Opportunities, Genetic Endowments and the Intrafamily Distribution of Resources: Child Survival in Rural India," American Economic Review, September 1982, (with T. P. Schultz).

"Governmental Interventions and Household Behavior in a Developing Country: Anticipating the Unanticipated Consequences of Social Programs," Journal of Development Economics, August 1982, (with K. I. Wolpin).

"Agricultural Development, Education and Innovation," in C. Diaz-Alejandro, M. Gersovitz, G. Ranis and M. R. Rosenzweig, eds., The Theory and Experience of Economic Development: Essays in Honor of Sir W. Arthur Lewis, London: Allen and Unwin, 1982.

"Estimating the Emigration Rates of Legal Immigrants Using Administrative and Survey Data: The 1971 Cohort of Immigrants to the United States," Demography, August 1982, (with G. Jasso).

"The Behavior of Mothers as Inputs to Child Health: The Determinants of Birthweight, Gestation, and Rate of Fetal Growth," in V. Fuchs, ed., Economic Aspects of Health, Chicago: University of Chicago Press (NBER), 1982, (with T. P. Schultz).

"Educational Subsidy, Agricultural Development and Fertility Change," Quarterly Journal of Economics, February 1982.

"Education and Contraceptive Choice: A Conditional Demand Framework," International Economic Review, February 1982, (with D. Seiver).

"Child Mortality and Fertility in Colombia: Individual and Community Effects," Health Policy and Education, February 1982, (with T. P. Schultz).

"Redistribution, Population Policies and Household Behavior: Implications for Population Growth and Economic Development," Proceedings of the 1981 General Conference of the IUSSP, Liege, Belgium: IUSSP and Ordina, December 1981.

"Estimating the Emigration Rates of Legal Immigrants Using Administrative and Survey Data: The 1971 Cohort of Immigrants," in U.S. Immigration Policy and the National Interest, Staff Report of the Select Commission on Immigration and Refugee Policy, April 1981, (with G. Jasso).

"Education and the Household Production of Child Health," Proceedings of the American Statistical Association, Social Statistics Section, 1981, (with T. P. Schultz).

"Household and Non-Household Activities of Youths: Issues of Modeling, Data, and Estimation Strategies," in G. Rodgers and G. Standing, eds., Child Work, Poverty and Underdevelopment, Geneva: ILO Press, 1981.

"Life-Cycle Labor Supply and Fertility: Causal Inferences from Household Models," Journal of

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Political Economy, June 1980, (with K. I. Wolpin).

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"Economic Mobility, Monopsonistic Discrimination and Sex Differences in Wages," Southern Economic Journal, April 1980, (with L. Cardwell).

"Neoclassical Theory and the Optimizing Peasant: An Economic Analysis of Market Family Labor Supply in a Developing Country," Quarterly Journal of Economics, February 1980.

"Testing the Quantity-Quality Model of Fertility: The Use of Twins as a Natural Experiment," Econometrica, January 1980, (with K. I. Wolpin).

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"Rural Wages, Labor Supply and Land Reform: A Theoretical and Empirical Analysis," American Economic Review, December 1978.

"Age, Biological Factors and Socioeconomic Determinants of Fertility: A New Measure of Cumulative Fertility for Use in the Empirical Analysis of Family Size," Demography, November 1978, (with B. Boulier).

"The Value of Children's Time, Family Size and Non-Household Child Activities: Evidence from Household Data," Research in Population Economics, 1978.

"Fertility, Schooling, and the Economic Contribution of Children in Rural India: An Econometric Analysis," Econometrica, July 1977, (with R. Evenson).

"The Demand for Children in Farm Households," Journal of Political Economy, February 1977.

"Farm Family Schooling Decisions: Determinants of the Quality and Quantity of Schooling in Agricultural Populations," Journal of Human Resources, Winter 1977.

"The Demand of Farm Families for the Quality and Quantity of Schooling for Their Children," American Journal of Agricultural Economics, December 1976.

"Female Work Experience, Employment Status, and Birth Expectations: Sequential Decision-Making in the Philippines," Demography, August 1976.

"Female Labor-Force Participation, Occupational Choice, and Fertility in Developing Countries," Journal of Development Economics, July 1976, (with J. McCabe).

"On the Appropriate Specification of Human Capital Models: Wage Discrimination: A Comment," Journal of Human Resources, Winter 1976.

"Non-Linear Earnings Functions, Age, and Experience: A Reply and Additional Evidence," Journal of Human Resources, Winter 1976.

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"Female Employment and Family Size," in Population and Development: The Search for Selective Interventions, Baltimore: Johns Hopkins Press, 1976, (with J. McCabe).

"Child Investment and Women," in Sex, Discrimination, and the Division of Labor, C. Lloyd, ed., New York: Columbia University Press, 1975.

"Which Couples at Given Parities Expect to Have Additional Births: A Comment," Demography, November 1975, (with D. Seiver).

"Economic Aspects of the Fertility of Rural-Farm Women: A Comment," Southern Economic Journal, April 1974.

#### TESTIMONY:

"U.S. Immigration Law and Family Reunification," Hearings of the Senate Subcommittee on Immigration and Refugee Policy, Senate Judiciary Committee, February 1983, GPO, Washington, D.C.

"Selecting U.S. Immigrants," Hearings of the Senate Subcommittee on Immigration and Refugee Policy, Senate Judiciary Committee, November 1981, GPO, Washington, D.C.

#### GRANTS

National Institutes of Health, NICHD, "The New Immigrant Survey," (with J. Smith, G. Jasso, D. Massey), 2000-2010

National Institutes of Health, NIDDKD, "Children's Health & Nutrition, Adult Outcomes & Mobility," 2005-2009.

National Science Foundation, "Informal Networks and Economic Development," (with K. Munshi), 2003-2007.

National Institutes of Health, NICHD, "Causal Effects of Education," (with J. Behrman, J. Zhang), 2004-2007.

National Institutes of Health, NICHD, "Effects of Economic Development on Population Change," with A. D. Foster and J. R. Behrman), 1993-2005.

National Science Foundation, "The Effects of Economic Development on Population Growth," (with A. D. Foster), 2000-2003.

National Science Foundation, "Family Interactions, Human Capital Investments, and Endowments," (with J. R. Behrman), 1995-2000.

National Institutes of Health, NICHD, "Population Growth, Economic Change and Forest Degradation," (with A. D. Foster and J. R. Behrman), 1995-1999.

National Institutes of Health, NIA, "Intrafamily Resource Allocations and Their Consequences," (with J. R. Behrman), 1995-2000.

National Institutes of Health, NICHD, "The New Immigrant Survey: A Pilot Study," (with J. Smith, G. Jasso, D. Massey), 1995-1999.

National Science Foundation, "The Effects of Economic Development on Population Growth," (with A. D. Foster and J. R. Behrman), 1993-1998.

National Institutes of Health, NICHD, "Seasonality and Health in Low-Income Rural Areas," (with A. D. Foster and J. R. Behrman), 1992-1995.

National Institutes of Health, "Intergenerational Financial Assistance over the Adult Life-Cycles of Parents and Children," (with K. Wolpin), 1990-1994.

National Institutes of Health, "Selectivity Effects of Fertility and Mortality on Child Health," (with M. Pitt), 1990-1994.

National Institutes of Health, "Parental Demographic Behavior and Child Development," (with K. I. Wolpin), 1987-1992.

Ford Foundation, "Conference for the Handbook of Population and Family Economics," (with O. Stark), 1991-1992.

Rockefeller Foundation, "Fertility, Child Health and Gender Inequality in Indonesia," (with M. M. Pitt), 1987-1989.

National Institutes of Health, "A Comparative Study of Health, Morbidity and Mortality," (with M. M. Pitt), 1986-1988.

National Institutes of Health, "Determinants of Births and Their Consequences," (with T. P. Schultz), 1985-1988.

Rockefeller Foundation, "Family Reunification and the Immigration Multiplier: The Effects of Current U.S. Immigration on Future U.S. Immigration," (with G. Jasso), 1985-1986.

International Bank for Reconstruction and Development, "Agricultural Investment, Infrastructure and Rural Financial Intermediation," (with H. P. Binswanger), 1984-1987.

Russell Sage Foundation, "Immigrants in the United States: 1980 Census Monograph," (with G. Jasso), 1983-1985.

National Institutes of Health, "Economic, Demographic and Program Effects on Child Health," (with T. P. Schultz), 1978-1985.

Agency for International Development, "The Effects of Government Programs and Household Behavior on Fertility and Child Health: An Analysis of Longitudinal Data from Colombia and the Philippines," (with K. Wolpin), 1982-1984.

National Science Foundation, "Economic Models of the Determinants of Child Health," (with T. P. Schultz), 1979-1983.

Agency for International Development, "Family Planning and Health Program Effects on Fertility and Mortality: Explanations for Colombia's Fertility Decline," (with T. P. Schultz and K. Wolpin), 1979-1982.

Agency for International Development, "Economic Determinants of Fertility and Child Health in Philippine and Rural Indian Households," (with R. Evenson and K. Wolpin), 1979-1980.

Agency for International Development, RAND Subcontract, "Human Capital and Development," (with T. P. Schultz), 1976-1978.

National Institutes of Health, "Economic Determinants of Farm Family Size," 1975-1977.

Ford and Rockefeller Foundations Grant for Research on Population Policy, "The Economic Determinants Of Child Investment in Rural India," (with R. Evenson), 1974-1975.

Agency for International Development Contract, "The Economics of Children in Indonesia and the Philippines," 1974-1975.

#### OTHER PROFESSIONAL ACTIVITIES

Associate Editor, Journal of Development Economics, 1990-1995.

Member and Chair (1998), Population Research Subcommittee, National Institute of Child Health and Human Development, 1994-98.

Chair, Frisch Medal Award Committee, Econometric Society, 1996.

Invited Lecture, European Society for Population Economics Meetings, 1995.

Member, Editorial Board, Abstracts of Working Papers in Economics, 1987-90.

Chair, NICHD Site Visit Committee, University at Albany, 1997.

Upjohn Institute Public Lecture, Western Michigan University, November 1992.

Visiting Senior Scientist, RAND Corporation, June 1994.

Member, Program Committee, 1990 Econometric Society World Congress.

Member, Panel on Immigration Statistics, Committee on National Statistics, NRC, National Academy of Sciences, 1983-1985.

Member, Planning Committee, Working Group on the Measurement of Intrahousehold Resource Allocations, Agency for International Development, 1984.

Member, Program Committee, Econometric Society Winter Meetings, 1982, 1986.

Chair, Behavioral Medicine Ad Hoc Review Panel, National Institutes of Health, 1987.

Chair, AIDS Research Ad Hoc Review Panel, National Institutes of Health, 1988.