

December 11, 2015

BURTON H. SINGER

Date of Birth: June 12, 1938  
Place of Birth: Chicago, Illinois  
Citizenship: American

Education

B.S. Engineering Science, Case Institute of Technology, 1959  
M.S. Mechanical Engineering, Case Institute of Technology, 1961  
Ph.D. Statistics, Stanford University, 1967

Professional Background

Academic

Adjunct Professor, Weill - Cornell Graduate School of Medical Sciences, Cornell University, 7/2013 --  
Adjunct Professor, Emerging Pathogens Institute and Department of Mathematics, University of Florida, 7/2010 --  
Courtesy Professor, Emerging Pathogens Institute, University of Florida, 6/2009 -- 7/2010  
Charles and Marie Robertson Professor of Public and International Affairs, Princeton University, 1999 – 6/2009  
Senior Research Scientist, Institute on Aging, University of Wisconsin, 2005 – 2/2009  
Professor of Demography and Public Affairs, Princeton University, 1994 – 6/2009  
Ira Vaughan Hiscock Professor of Epidemiology and Public Health, Yale University, 1991-1994  
Chairman Epidemiology and Public Health and Associate Dean for Public Health, Yale School of Medicine 1989-1993  
Professor of Public Health, Statistics and Economics, Yale University, 1985-1994  
Visiting Investigator, Biostatistics Laboratory, Sloan-Kettering Institute for Cancer Research, 1979-1981  
Adjunct Professor, Rockefeller University 1977-1990  
Professor of Mathematical Statistics, 1977-1985, Chairman, Department of Statistics, 1983-1985, Columbia University  
Adjunct Associate Professor, Rockefeller University, 1975-1977  
Associate Professor of Mathematical Statistics, Columbia University, 1972-1977  
Visiting Research Associate, Princeton University, 1972-1973  
Assistant Professor of Mathematical Statistics, Columbia University, 1967-1972  
Teaching Assistant, Stanford University, 1963-1967  
Teaching Assistant, Case Institute of Technology, 1961-1962

Government and Industrial

Consultant - Glaxo Smith Kline, Philadelphia, PA, 2014 -  
Consultant – Health Impact Assessments, Newfields, Inc., Atlanta, GA, 2009 --

Statistical Consultant, SRI, International, Menlo Park, California, 1978-1980  
Statistical Consultant, New York Hospital-Cornell Medical Center, 1978-1985  
Statistical Consultant, National Opinion Research Center, University of Chicago, 1977-1980  
Statistical Consultant, Social Security Administration, Baltimore, Maryland, 1977-1980  
Statistical Consultant, U.S. Atomic Energy Commission, 1973-1975  
Statistical Consultant, RAND Corporation, Santa Monica, California, 1971-1978  
Statistical Consultant, Union Carbide Corporation, New York, New York, 1971-1978  
Research Engineer, IBM Corporation, San Jose, California, 1963-1964  
Circuit Design Engineer, Motorola, Inc., Chicago, Illinois, 1958-1960 (summer only)

#### Professional Societies

Population Association of America, 1994-2005  
American Association for the Advancement of Science, 1972-2006  
Psychometric Society, 1972-1978  
American Statistical Association, 1971-1995  
Institute of Mathematical Statistics, 1963-1970  
Institute of Radio Engineers, 1959-1963  
Institute of Aeronautical Sciences, 1958-1960

#### Honors

Gold Medal Award, Case Alumni Association (Class of 1959), Case Institute of Technology, 2009  
Elected to Institute of Medicine of the National Academies, 2005  
Elected to National Academy of Sciences, 1994  
Mindel C. Sheps Award for Outstanding Contribution to Mathematical Demography, Population Association of America, 1994  
Elected to Connecticut Academy of Science and Engineering, 1993  
Elected Fellow of American Association of Advancement of Science, 1984  
Guggenheim Fellow, 1981-1982  
Invited to be a Fellow at the Center for Advanced Study in the Behavioral Sciences, Stanford, California, 1980  
Elected Fellow of American Statistical Association, 1980  
Elected to Sigma Xi, 1961

#### Other Professional Activities

Member, Review Panel for NIH Pioneer Awards, 2014 -  
Member, Foundation Board & Associate Editor, 'Evolution, Medicine, and Public Health', Oxford University Press 2012 --  
Member, International Science Advisory Board, Community Health Management Program for Papua New Guinea Liquid Natural Gas (PNG/LNG) Project, 2011 --  
Member, Research Board, Gulf of Mexico Research Initiative, American Institute of Biological Sciences 2010 --  
Member, National Advisory Council on Aging, NIH, 2007 --2008  
Member, Visiting Committee, Harvard School of Public Health, 2007 --

Coordinator, Malaria Task Force, UN Millenium Project, United Nations, NY 2002 -- 2006  
Chair, National Research Council Panel on Future Directions for Behavioral and Social Science Research at NIH, 1999-2000  
Member, Advisory Board, American Museum of National History, Exhibit on Infectious Diseases 1997-98  
Member, Scientific Advisory Board, Santa Fe Institute, 1997- 2008  
Member, Commission on Behavioral and Social Science and Education, National Research Council, 1996- 2002  
Member, John D. and Catherine T. MacArthur Foundation Network on SES and Health, 1995- 1999.  
Member, Scientific and Technical Advisory Committee, Tropical Disease Research Program, World Health Organization, 1995- 1999.  
Member, Board on Environmental Studies and Toxicology, National Research Council, 1994- 1997.  
Chairman, Steering Committee for Applied Field Research, Tropical Disease Research Program, World Health Organization, 1993-1995  
Member, John D. and Catherine T. MacArthur Foundation Health and Behavior Network, 1992-1994  
Member, Editorial Board, Springer-Verlag Series in Statistics, 1988-1996  
Chairman, Steering Committee for Socio-Economic Research, Tropical Disease Research Program, World Health Organization, 1988-1993  
Member, Executive Committee, Board of Directors, Social Science Research Council, 1987- 2000.  
Member, Editorial Board, Springer-Verlag Series, "Frontiers of Primary Medicine," 1984-  
Chairman, Panel on Immigration Statistics, National Research Council, National Academy of Sciences, 1982-1985  
Member, Study Section on Social Science and Population, National Institutes of Health, 1982-1985  
Member, Committee on National Statistics, National Research Council of National Academy of Sciences 1981-1985, Chairman, 1987-1993  
Editorial Board, Sociological Methodology, 1980-1983  
Consulting Editor, American Journal of Sociology, 1980-1983  
Member, Advisory Panel on Measurement Methods and Data Resources, U.S. National Science Foundation, Division of Social Sciences, 1979-1981  
Chairman, Committee on Longitudinal Methodology, Social Science Research Council, 1976-1980  
Co-Chairman, Advisory Board, Center for the Social Sciences, Columbia University, 1979-1980  
Member 1976-1978, Chairman 1979-1984, Advisory Board, Department of Statistics, Princeton University

#### PhD Advisees

Paul Tobias (Columbia University, 1971)  
Thomas Louis (Columbia University, 1972)  
Gloria Main (Columbia University, 1973; co-advisor with Stuart Bruchey)  
Thomas Mueller (Columbia University, 1977)  
Thomas DiPrete (Columbia University, 1978)  
Halina Frydman (Columbia University, 1978)  
Ann Robrock (Columbia University, 1981)  
Barbara Molfino McIntyre (Columbia University, 1985; co-advisor with John Imbrie)

PhD Advisees, Continued

Anne Cross (Yale University, 1987)  
 Tatsu Kakuma (Yale University, 1990)  
 Roberto Chuit (Yale University, 1996)  
 Dolores Aceveido-Garcia (Princeton University, 1996)  
 Paola Marchesini (Federal University of Minas Gerais, Brazil, 1999)  
 Deborah Peikes (Princeton University, 2000)  
 Marcia Castro (Princeton University, 2002)  
 Lauren Hale (Princeton University, 2003)  
 Yesim Tozan (Princeton University, 2004)  
 Rebecca Katz (Princeton University, 2005)  
 Susan Cassels (Princeton University, 2005)  
 Derek Willis (Princeton University, 2010)  
 Luke MacDonald (Princeton University, 2010; co-advisor with Peter Jaffe)  
 Taniecia Arceneaux (Princeton University, 2012)

Publications

Publications are listed chronologically within each of the following subject-matter categories: Mathematics, Statistics/Methodology, Tropical Health, Integrative Pathways to Health & Illness, Clinical Medicine, Sociology, Genetics, and Miscellaneous

***Mathematics***

- Singer, Burton. (Review) Markov Processes and Potential Theory. Edited by J. Chover. Journal of American Statistical Association, 64:394 - 397. 1969.
- Singer, Burton. Some Asymptotic Results in a Model of Population Growth, I. A Class of Birth and Death Processes. Annals of Mathematical Statistics, 41(1):115 - 132. 1970.
- Singer, Burton. Stochastic Models in Population Genetics. N.Y.U. Courant Institute Seminar Notes on Mathematical Biology, pp. 69 - 84. June/July 1970.
- Singer, Burton. Some Asymptotic Results in a Model of Population Growth, II: Positive Recurrent Chains. Annals of Mathematical Statistics, 42(4): 1296 - 1315. 1971
- Brezis, H.; Rosenkrantz, W.; Singer, B. An Extension of Khintchine's Estimate for Large Deviations to a Class of Markov Chains Converging to a Singular Diffusion, I. Bulletin of American Mathematical Society, 77(6):980 - 982. 1971.
- Brezis, H.; Rosenkrantz, W.; Singer, B. An Extension of Khintchine's Estimate for Large Deviations to a Class of Markov Chains Converging to a Singular Diffusion, II. Communications on Pure and Applied Mathematics, 24:705 - 726. 1971.
- Brezis, H.; Rosenkrantz, W.; Singer, B. On a Degenerate Elliptic/Parabolic Equation Occurring in the Theory of Probability. Communications on Pure and Applied Mathematics, 24:395 - 416. 1971.
- Singer, B., Spilerman, S. Trace Inequalities for Mixtures of Markov Chains. Advances in Applied Probability, 9(4):747 - 764. 1977.

- Frydman, H; Singer, B. Total Positivity and the Embedding Problem for Markov Chains. Mathematical Proceedings of the Cambridge Philosophical Society, 86:339 - 344. 1979.
- Pincus, S; Singer, B. Randomness and Degrees of Irregularity. Proceedings of the National Academy of Sciences, 93:2083-2088. March, 1996.
- Singer, B; Pincus, S. Irregular Arrays and Randomization. Proceedings of the National Academy of Sciences, 95:1363-1368. 1998.
- Pincus, S; Singer, B. A Recipe for Randomness. Proceedings of the National Academy of Sciences, 95: 10367-10372. 1998.
- Pincus, S; Singer, B. A zoo of computable binary normal sequences. Proceedings of the National Academy of Sciences, 109(47): 19145 - 19150. 2012
- Pincus, S; Singer, B. Higher-order dangers and precisely constructed taxa in models of randomness. Proceedings of the National Academy of Sciences, 111(15): 5485 - 5490. 2014

### ***Statistics/Methodology***

- Flehinger, B.J.; Louis, T.; Robbins, H.; Singer, B. Reducing the Number of Inferior Treatments in Clinical Trials. Proceedings of National Academy of Sciences, 69(10):2993 - 2994. 1972.
- Singer, B; Spilerman, S. Social Mobility Models for Heterogeneous Populations. Sociological Methodology, pp. 356 - 401. Edited by H. Costner. JosseyBass, Inc.; San Francisco. 1974.
- Singer, B; Spilerman, S. Identifying Structural Parameters of Social Processes Using Fragmentary Data. Proceedings of 40th Session of International Statistical Institute, Warsaw, Poland, 2:681 - 697. September 1975.
- Singer, Burton. Exploratory Strategies and Graphical Displays. Journal of Interdisciplinary History, 7(1):57 - 70. 1976.
- Singer, Burton; Spilerman, Seymour. Some Methodological Issues in the Analysis of Longitudinal Surveys. Annals of Economic and Social Measurement, 5(4):447 - 474. 1976.
- Singer, Burton; Spilerman, Seymour. The Representation of Social Processes by Markov Models. American Journal of Sociology, 82(1):1 - 54. 1976.
- Singer, Burton; Spilerman, Seymour. Fitting Stochastic Models to Longitudinal Survey Data Some Examples in the Social Sciences. Bulletin of International Statistical Institute, 47(3):283 - 300. 1977.
- Barnett, A.; Kleitman, D.J.; Rosenbaum, D.; Singer, B. A Statistical Procedure for Testing Nuclear Powered Cardiac Pacemakers. Technometrics, pp. 221 - 226. August 1978.
- Singer, B, Spilerman, S. Clustering on the Mail Diagonal in Mobility Matrices. Sociological Methodology, pp. 172 - 208. Edited by K. Schuessler. San Francisco. 1978.
- Singer, B, Spilerman, S. Mathematical Representations of Development Theories. Longitudinal Research in Human Development Methodology, pp. 155 - 177. Edited by P. Baltes and J. Nesselroade. Academic Press: New York. 1979.
- Singer, B, Cohen, JE. Estimating Malaria Incidence and Recovery Rates from Panel Surveys. Mathematical Biosciences, 49:273 - 305. 1980.
- Singer, Burton. Estimating Nonstationary Markov Chains from Panel Data. Sociological Methodology, pp. 319 - 337. JosseyBass, Inc.: San Francisco. 1980.
- Singer, Burton. Individual Histories as the Focus of Analysis in Longitudinal Surveys. Journal of Economics and Business, 32(2):126 - 135. 1980.
- Singer, Burton. Aspects of Nonstationarity. Journal of Econometrics, 18(1):169 - 190. 1982.
- Heckman, J, Singer, B. Population Heterogeneity in Demographic Models. Multidimensional Mathematical Demography, pp. 567 - 599. Academic Press: New York. 1982.

- Gilbert, A, Singer, B. Reassessing Zooarcheological Quantification. World Archaeology, 14(1):21 - 40. 1982.
- Heckman, J, Singer, B. The Identification Problem in Econometric Models of Duration Data. Advances in Econometrics, pp. 39 - 77. Edited by W. Hildenbrand. Cambridge University Press: New York. 1982.
- Gilbert, A, Singer, B, Perkins, D. Quantification Experiments on Computer Simulated Faunal Collections. OSSA, 8:79 - 94. 1983.
- Heckman, J, Singer, B. A Method for Minimizing the Impact of Distributional Assumptions in Econometric Models for Duration Data. Econometrica, 52(2):271 - 320. 1984.
- Heckman, J, Singer, B. Econometric Duration Analysis. Journal of Econometrics, 24(102):63 - 132. 1984.
- Heckman, J, Singer, B. Identifiability in Proportional Hazard Models. Review of Economic Studies, 51(2): 231-242. 1984.
- Singer, Burton. Mathematical Models of Infectious Disease: Seeking New Tools for Planning and Evaluating Control Programs. Child Survival: Strategies for Research. Supplement to Population and Development Review, 10:347 - 365. 1984.
- Heckman, J, Singer, B. Longitudinal Analysis of Labor Market Data. Cambridge University Press: New York. 1985.
- Frydman, H, Singer, B. Assessing Qualitative Features of Longitudinal Data. Pp.308-324 in James Heckman and Burton Singer (eds.) Longitudinal Analysis of Labor Market Data. New York:Cambridge University Press 1985.
- Fienberg, SE, Singer, B, Tanur, JM. Large Scale Social Experimentation in the U.S.A. International Statistical Institute Centenary Volume: A Celebration of Statistics, pp. 251 - 290. Edited by A. Atkinson and S. Fienberg. SpringerVerlag: New York. 1985.
- Singer, Burton. Longitudinal Data Analysis. Encyclopedia of the Statistical Sciences, 5:142 - 155. Edited by N. Johnson and S. Kotz. John Wiley and Sons: New York. 1985.
- Heckman, J, Singer, B. Econometric Analysis of Labor Market Data. Handbook of Econometrics, 3:1689 - 1763. Edited by Z. Griliches and M. Intriligator. Amsterdam: North Holland. 1986.
- Nierenberg A, Jekel J, Singer B. Is standard deviation always the right choice? American J. Psychiatry, 143: 1198 - 1199. 1986
- Singer, B, Marini, M. Advancing Social Research: An Essay Based on S. Lieberman's 'Making it Count.' Sociological Methodology, pp. 373 - 391. Edited by C. Clogg. JosseyBass: San Francisco. 1987.
- Black, FL, Singer, B. Elaboration versus Simplification in Refining Mathematical Models of Infectious Disease. Annual Review of Microbiology, pp. 677 - 701. Edited by L.N. Ornstein. Annual Reviews, Inc.: Palo Alto. 1987.
- Marini, M, Singer, B. Causality in the Social Sciences. Sociological Methodology, pp. 347 - 409. Edited by C. Clogg. American Sociological Association: Washington. 1988.
- Singer, B. Comment on Cleland and Verma, 'The World Fertility Survey: An Appraisal of Methodology.' Journal of American Statistical Association, 84(407):771 - 772. 1989.
- Singer, B. Grade of Membership Representation: Concepts and Problems. Probability, Statistics and Mathematics: Papers in Honor of Samuel Karlin, pp. 317 - 334. Edited by T.W. Anderson, K.B. Athreya and D. Iglehart. Academic Press. 1989.
- Singer, B. T.W. Anderson and Panel Analysis. The Collected Papers of T.W. Anderson: 1943-1985, 2:1651 - 1655. John Wiley and Sons: New York. 1990.
- Singer, B. Comment on Jack E. Triplett, 'The Federal Statistical System's Response to Emerging Data Needs.' Journal of Economic and Social Measurement, 17(3,4):185 - 188. 1991.
- Manton, KG, Stallard, E, Singer, B. Projecting the Future Size and Health Status of the U.S. Elderly Population. International Journal of Forecasting, 8:433 - 458. 1992.

- Manton, KG, Singer, B, Woodbury, M. Some Issues in the Quantitative Characterization of Heterogeneous Populations. Demographic Applications of Event History Analysis, pp. 9 - 37. Edited by J. Trussell, R. Hankinson and J. Tilton. Oxford University Press. 1992.
- Manton, KG, Singer, B, Suzman, R. The Scientific and Policy Needs for Improved Health Forecasting Models for Elderly Populations. Forecasting the Health of Elderly Populations, pp. 335. Edited by K.G. Manton, B. Singer and R. Suzman. Springer-Verlag: New York. 1993.
- Manton, KG, Singer, B, Stallard, E. Cancer Forecasting: Cohort Models of Disease Progression and Mortality. Forecasting the Health of Elderly Populations, pp. 109 - 136. Edited by K.G. Manton, B. Singer and R. Suzman. Springer-Verlag: New York. 1993.
- Manton, KG, Stallard, E, Singer, B. Methods for Projecting the Size and Health Status of Elderly Populations. Economics of Aging, pp. 42-77. Edited by D. Wise. University of Chicago Press: Chicago. 1994.
- Horwitz, RI, Singer, B, Viscoli, C, Makuch, R. Can Treatment that is helpful on Average be Harmful to Some Patients? A Study of the Conflicting Information Needs of Clinical Inquiry and Drug Regulation. Journal of Clinical Epidemiology, 49(4):395-400. 1996.
- Horwitz, RI, Singer, B, Makuch, R, Viscoli, C. On Reaching the Tunnel at the End of the Light. Journal of Clinical Epidemiology, 50(7):753-755. 1997.
- Singer, B, Ryff, CD, Carr, D, Magee, W. Linking Life Histories and Mental Health: A Person-Centered Strategy. Sociological Methodology, 1998 pp. 1-51. Edited by Adrian Raftery. American Sociological Association: Washington. 1998.
- Horwitz, RI, Singer, B, Makuch, R, Viscoli, C. Clinical vs. Statistical Considerations in The Design and Analysis of Clinical Research Journal of Clinical Epidemiology, 51(4): 305-307. 1998.
- Horwitz, RI, Singer, B, Makuch, R, Viscoli, C. Response to 'On Subgroups and Groping for Significance.' Journal of Clinical Epidemiology, 51(12): 1367-1368. 1998.
- Singer, B, Manton, KG. The Effects of Health Changes on Projections of Health Service Needs for the Elderly Population of the United States. Proceedings of the National Academy of Sciences, 95:15618-15622. 1998.
- van Vliet, C, Holmes, KK, Singer, B, Habbema, JDF. The effectiveness of HIV prevention strategies under alternative scenarios: Evaluation with the STDSIM model. Pp. 207-237 in Ainsworth, M., Fransen, L. and Over, M. (eds.). Confronting AIDS: Evidence from the Developing World Brussels, Belgium: The European Commission (1998).
- Zhang, H, Singer, B. Recursive Partitioning in the Health Sciences. New York: Springer-Verlag (1999)
- Zhang, H, Yu, C-Y, Singer, B, and Xiong, M. Recursive Partitioning for tumor classification with gene expression microarray data. Proceedings of National Academy of Sciences. 98(12): 6730-6735. 2001
- Singer, B. Longitudinal Data Analysis: Person-Centered Methods. Pp. 9058-9063 in P. Baltes and N. Smelser (eds.) International Encyclopedia of the Behavioral and Social Sciences. Oxford, UK: Elsevier. 2002 .
- Zhang, H, Yu, C-Y, Singer, B. Cell and Tumor Classification using gene expression data: Construction of Forests. Proceedings of National Academy of Sciences. 100(7): 4168-4172. 2003\_
- Castro, MC, Singer B. Controlling the False Discovery Rate: A New Application to Account for Multiple and Dependent Tests in Local Statistics of Spatial Association. Geographical Analysis, 38:180 – 208. 2006.
- Katz, RL, Singer BH. Can an attribution assessment be made for Yellow Rain? – Systematic reanalysis in a chemical-and-biological weapons use investigation. Politics and the Life Sciences, 26(1): 24 – 42. 2007
- Zhang H, Singer B. Recursive Partitioning and Applications. New York: Springer – Verlag. 2010

- Singer BH, Castro MC. Interpretability Constraints and Tradeoffs in Mixed Membership Models. pp.159-172 in EM Airoldi, D Blei, E Erosheva, SE Fienberg (Eds.), Handbook of Mixed Membership Models, Chapman and Hall/CRC. 2014
- Pearson CAB, Singer BH, Airoldi E. Challenges to Understanding Covert Groups. pp. 198 - 213 in Luke Gerdes (Ed.) Illuminating Dark Networks: The Study of Clandestine Groups and Organizations. New York: Cambridge University Press. 2015

***Tropical Health: Humans, Animals, and Plants***

- Cohen, JE, Singer, B.. Malaria in Nigeria: Constrained Continuoustime Markov Models for Discretetime Longitudinal Data on Human MixedSpecies Infections. Some Mathematical Questions in Biology. Edited by S. Levin. Also in Lectures on Mathematics in the Life Sciences, 12:69-133. American Mathematical Society: Providence. 1979.
- Wertheimer, S, Vermund, S, Lumey, LH, Singer, B. Lack of Demonstrable Density Dependent Fecundity of Schistosomiasis Mansonii: Analysis of Egyptian Quantitative Human Autopsies. American Journal of Tropical Medicine and Hygiene, 37(1):79-84. 1987.
- Singer, Burton. Social Science and the Improvement of Tropical Disease Control Programs. Biomedical Science and the Third World: Under the Volcano, 569:275-287. Edited by B. Bloom and A. Cerami. Annals of the New York Academy of Sciences. 1989.
- Cross, AP, Singer, B. Modeling the Development of Resistance of 'Plasmodium Falciparum' to AntiMalarial Drugs. Transactions of the Royal Society of Tropical Medicine and Hygiene, 85:349-355. 1991.
- Singer, B., Sawyer, DO. Perceived Malaria Illness Reports in Mobile Populations. Health Policy and Planning, 7(1):40-45. 1992.
- Montagnini, F, Singer, B, Auer, B, Muniz-Miret, N. Human Health and Effective Utilization of Tropical Forests. TRI News, 12(1):12. Journal of the Tropical Resources Institute. Yale University School of Forestry and Environmental Studies. 1993.
- Singer, Burton. Something Can Be Done About Malaria Today. HMS Beagle. Issue 88, 13 October at [http://news.bmn.com/hmsbeagle/88/viewpts/op\\_ed](http://news.bmn.com/hmsbeagle/88/viewpts/op_ed). 2000
- Utzinger, J, Tanner, M, and Singer, B. Roll Back Malaria and the Potential of the Internet. Trends in Parasitology 17(4): 159-161. 2001
- Utzinger, J, Tozan, Y, and Singer, B. Efficacy and Cost-Effectiveness of Environmental Management for Malaria Control. Tropical Medicine and International Health, 6(9):677-687. 2001
- Van Vliet, C, Meester, E, Korenromp, E, Singer, B, Bakker, R, Habbema, JDF. Focusing strategies of condom use against HIV in different behavioral settings: an evaluation based on a simulation model. Bulletin of the World Health Organization. 79(5):442-454. 2001
- Chuit R, Gurtler RE, MacDougall L, Segura EL, Singer B. Chagas Disease Risk Assessment by an Environmental Approach in Northern Argentina. Revista de Patologia Tropical, 30(2):193 – 207. 2001
- Castro MC, Singer BH. Agricultural Colonization, Environmental changes, and patterns of malaria transmission in the Tropical Rain Forest: The case of Machadinho D'Oeste, Rondonia, Brazil. Paper presented at 2000 meeting of Population Association of America, Los Angeles, CA, March 23 - 25. 2000: 62 pp. \_
- Singer, B, and Castro, MC, Agricultural Colonization and Malaria on the Amazon Frontier. Annals of New York Academy of Sciences. Vol. 954: 184-222. 2001
- Utzinger, J, Tozan, Y, Domani, F, and Singer, B. The Economic Payoffs of Malaria Control in the Zambian Copper Belt: 1930-1950. Tropical Medicine and International Health 7(8):657-677. 2002

- Keiser, J, N’Goran, E, Traore, M, Lohourignon, KL, Singer, BH, Lengeler, C, Tanner, M, & Utzinger, J. Polyparasitism in *Schistosoma mansoni*, geohelminths & intestinal protozoa in rural Cote d’Ivoire. Journal of Parasitology. 88(3): 461-466. 2002.
- Utzinger, J, Tanner, M, Kammen, D, Killeen, G, Singer, B. Integrated Programme is Key to Malaria Control. Nature, 419: 431. 2002.
- Keiser, J, N’Goran, E, Singer, B, Lengeler, C, Tanner, M, Utzinger, J. Association between *Schistosoma Mansoni* and hookworm infections among schoolchildren in Cote d’Ivoire. Acta Tropica. 84(1): 31-41. 2002.
- Keiser, J, Utzinger, J, and Singer, B. The potential of intermittent irrigation for increasing rice yields, lowering water consumption, reducing methane emissions, and controlling malaria in African rice fields. Journal of the American Mosquito Control Association 18(4): 329-340. 2002.
- Keiser, J, Utzinger, J, Premji, Z, Yamagata, Y, and Singer, B. Acridine Orange for malaria diagnosis: It’s performance, it’s promotion and implementation in Tanzania, and the implications for malaria control. Annals of Tropical Medicine and Parasitology. 96(7): 643-654. 2002
- Utzinger, J, Keiser, J, Shuhua, X, Tanner, M, and Singer, B. Combination Chemotherapy of Schistosomiasis in Laboratory Studies and Clinical Trials. Antimicrobial Agents and Chemotherapy. 47(5): 1487-1495. 2003
- Utzinger, J, Muller, I, Vounatsou, P, Singer, B, N’Goran, E, Tanner, M. Random Spatial Distribution of *Schistosoma Mansoni* and Hookworm Infections among School Children within a Single Village. Journal of Parsitology. 89(4): 686-692. 2003
- Utzinger, J, Bergquist, R, Xiao, S-H, Singer, BH, & Tanner, M. Sustainable schistosomiasis control – the way forward. The Lancet. 362: 1932-1934. 2003
- Giardin, O, Daouda, D, Koudou, BG, Esse, C, Cisse, G, Yao, T, N’Goran, EK, Tschannen, AB, Bordmann, G, Lehmann, B, Nsambimana, C, Keiser, J, Killeen, GF, Singer, BH, Tanner, M & Utzinger, J. Opportunities and limiting factors of intensive vegetable farming in malaria endemic Cote d’Ivoire. Acta Tropica. 89: 109 -123. 2004
- Utzinger, J, Wyss, K, Moto, DD, Tanner, M & Singer, BH. Community Health Outreach of the Chad-Cameroon Petroleum Development and Pipeline Project. Clinics in Occupational and Environmental Medicine. 4(1): 9 – 26. 2004
- Castro, MC, Yamagata, Y, Mtasiwa, D, Tanner, M, Utzinger, J, Keiser, J & Singer, BH. Integrated urban malaria control: A case study in Dar es Salaam, Tanzania. American Journal of Tropical Medicine & Hygiene. Aug. 71 (2Suppl): 103 – 117. 2004
- Keiser, J, Utzinger, J, Castro, MC, Smith, TA, Tanner, M & Singer, BH. Urbanization in sub-Saharan Africa and implications for malaria control. American Journal of Tropical Medicine & Hygiene Aug. 71 (2Suppl): 118 – 127. 2004
- Raso, G, Luginbuhl, A, Adjoua, CA, Tian-BI, NT, Silue, KD, Matthys, B, Vounatsou, P, Wang, Y, Dumas, ME, Holmes, E, Singer, BH, Tanner, M, N’Goran, EK & Utzinger, J. Multiple parasite infections and their relationship to self-reported morbidity in a community of rural Cote d’Ivoire. International Journal of Epidemiology. 33(5): 1092 – 1102. 2004
- Wang Y, Holmes, E, Nicholson, JK, Cloarec, O, Chollet, J, Tanner, M, Singer, BH & Utzinger, J. Metabonomic investigations in mice infected with *Schistosoma mansoni*: an approach for biomarker identification. Proceedings of National Academy of Sciences. 101(34): 12676 – 12681. 2004
- Utzinger, J, Wyss, K, Moto, DD, Yemadji N, Tanner, M & Singer, BH. Assessing health impacts of the Chad-Cameroon petroleum development and pipeline project: challenges and a way forward. Environmental Impact Assessment Review, 25: 63 - 93. 2005
- Ezzati, M, Utzinger, J, Cairncross, S, Cohen AJ, & Singer, BH. Environmental Risks in the Developing World: Exposure Indicators for Evaluating Interventions, Programmes, and Policies. Journal of Epidemiology and Community Health. 59(1): 15 – 22. 2005 \_

- Raso, G, Holmes E, Singer, BH, N’Goran, EK & Utzinger, J. Author’s Response (to E. McKenzie). International Journal of Epidemiology, 34(1): 222 -223. 2005
- Castro, MC, Singer, BH. Was malaria present in the Amazon before the European conquest? Available evidence and future research agenda. Journal of Archaeological Science. 32(3): 337 – 340. 2005
- Keiser, JR, Castro, MC, Maltese, MF, Bos, R, Tanner, M, Singer, BH, Utzinger, J. Effect of Irrigation and Large Dams on the Burden of Malaria on a Global and Regional Scale. American Journal of Tropical Medicine & Hygiene, 72(4): 392 – 406. 2005
- Keiser, JR, Maltese, MF, Erlanger, TE, Bos, R, Tanner, M, Singer, BH, Utzinger, J. Effect of irrigated rice agriculture on Japanese encephalitis including challenges and opportunities for integrated vector management. Acta Tropica, 95: 40 – 57. 2005
- Castro, MC, Keiser, J, Utzinger, J, Smith, TA, Tanner, M, Yamagata, Y, Mtasiwa, D, Singer, BH. Remote sensing of malaria in urban areas: two scales, two problems (Reply to Hay and Tatem). American Journal of Tropical Medicine & Hygiene, 72: 656 – 657. 2005
- Erlanger, TE, Keiser, J, Castro, MC, Bos, R, Singer, BH, Tanner, M, Utzinger, J. Effect of Water Resource Development and Management on Lymphatic Filariasis, and Estimates of Populations at Risk. American Journal of Tropical Medicine & Hygiene, 73: 523 – 533. 2005
- Keiser J, Singer BH, Utzinger J. Reducing the burden of malaria in different eco-epidemiological settings with environmental management: a systematic review. Lancet Infectious Diseases, 5: 695 – 708. 2005
- Singer B, Castro MC. Enhancement and suppression of malaria in the Amazon. American Journal of Tropical Medicine & Hygiene, 74(1): 1–2. 2006
- Wang Y, Utzinger J, Xiao SH, Xue J, Nicholson JK, Tanner M, Singer BH, Holmes E. System level metabolic effects of *Schistosoma japonicum* infection in the Syrian hamster. Molecular Biochemistry and Parasitology, 146(1): 1–9. 2006
- Castro MC, Monte-Mor RL, Sawyer DO, Singer BH. Malaria Risk on the Amazon Frontier. Proceedings of the National Academy of Sciences, 103(7): 2452 – 2457. 2006
- Raso G, Vounatsou P, Singer BH, N’Goran EK, Tanner M, Utzinger J. An integrated approach for risk profiling and spatial prediction of *Schistosoma mansoni* - hookworm coinfection. Proceedings of the National Academy of Sciences, 103(18):6934 – 6939. 2006
- Castro MC, Singer BH. Migration, Urbanization, and Malaria: A Comparative Analysis of Dar es Salaam, Tanzania and Machadinho, Rondonia, Brazil. Pp. 280 – 307 in M. Tienda, S. Findley, S. Tollman, and E. Preston-Whyte (Eds.) Africa on the Move, Johannesburg: Wits University Press. 2006
- Singer BH, Utzinger J, Ryff CD, Wang Y, Holmes E. Exploiting the potential of Metabonomics in Large Population Studies: Three Venues. Pp. 289 – 325 in JC Lindon, JK Nicholson & E Holmes (eds.) The Handbook of Metabonomics and Metabolomics, Amsterdam: Elsevier. 2007
- Castro MC, Sawyer DO, Singer BH. Spatial patterns of malaria in the Amazon: Implications for surveillance and targeted interventions. Health and Place, 13: 368 – 380. 2007
- Castro MC, Singer BH. Meio ambiente saude metodologia para analise espacial da ocorrencia de malaria em projetos de assentamento. Revista Brasileira de Estudos de Populacao, 24(2): 247 – 262. 2007
- Singer BH, Castro MC. Bridges to Sustainable Tropical Health. Proceedings of the National Academy of Sciences, 104(41): 16038 – 16043. 2007
- Singer BH, Ryff CD. Viewpoint: Neglected Tropical Diseases, Neglected Data Sources, and Neglected Issues. PLoS Neglected Tropical Diseases, 1(2): e104. 2008
- Fillinger U, Kannady K, William G, Vanek MJ, Dongus S, Nyika D, Geissbuhler Y, Chaki PP, Govella NJ, Mathenge EM, Singer BH, Mshinda H, Lindsay SW, Tanner M, Mtasiwa D, deCastro MC, Killeen GF. A tool box for operational mosquito larval control: preliminary results and early lessons from the Urban Malaria Control Programme in Dar es Salaam, Tanzania. Malaria Journal Jan 25; 7:20. 2008

- Wang Y, Utzinger J, Saric J, Li JV, Burckhardt J, Dimhofer S, Nicholson JK, Singer BH, Brun R, Holmes E. Global metabolic responses of mice to *Trypanosoma brucei brucei* infection. Proceedings of the National Academy of Sciences, 105(16): 6127 – 6132. 2008
- Erlanger TE, Krieger GR, Singer BH, Utzinger J. The 6/94 gap in health impact assessment. Environmental Impact Assessment Review, 28:349 -358. 2008
- Li JV, Wang Y, Saric J, Nicholson JK, Dimhofer S, Singer BH, Tanner M, Wittlin S, Holmes E, Utzinger J. Global metabolic responses of NMRI mice to an experimental *Plasmodium berghei* infection. Journal of Proteome Research, 7(9): 39 – 48. 2008
- Fewtrell L, Kay D, Matthews I, Utzinger J, Singer BH, Bos R. Health impact assessment for sustainable water management: the lay of the land. Pp. 1 – 28 in L. Fewtrell and D. Kay (eds.) Health Impact Assessment for Sustainable Water Management. London: IWA Publishing. 2008
- Krieger GR, Balge MZ, Chanthaphone S, Tanner M, Singer BH, Fewtrell L, Kaul S, Sananikhom S, Odermatt P, Utzinger J. Nam Theun 2 Hydroelectric Project, Lao PDR. Chapter 9 (pp. 199 – 232) in L. Fewtrell & D. Kay, Health Impact Assessment for Sustainable Water Management. London: IWA Publishing. 2008
- Raso G, Silue KD, Vounatsou P, Singer BH, Yapi A, Tanner M, Utzinger J, N’Goran EK. Spatial risk profiling of *Plasmodium falciparum* parasitemia in a high endemicity area in Cote d’Ivoire. The Malaria Journal. 8:252, doi:10.1186/1475-2875-8-252 (16 pp.). 2009
- Utzinger J, Raso G, Brooker S, de Savigny D, Tanner M, Ornbjerg N, Singer BH, N’Goran EK. Schistosomiasis and neglected tropical diseases: towards integrated and sustainable control and a word of caution. Parasitology. 136: 1859 - 1874. 2009
- Wang Y, Xiao S-H, Xue J, Singer BH, Utzinger J, Holmes E. Systems metabolic effects of a *Necator americanus* Infection in Syrian Hamster. J. Proteome Research. 12: 5442 – 5450. 2009
- Winkler MS, Divall MJ, Krieger GR, Balge MZ, Singer BH, Utzinger J. Assessing health impacts in complex eco-epidemiological settings in the humid tropics: advancing tools and methods. Environmental Impact Assessment Review, 30: 52 – 61. 2010
- Wu J-F, Holmes E, Xue J, Xiao S-H, Singer BH, Tang H-R, Utzinger J, Wang Y-L. Metabolic alterations in the hamster co-infected with *Schistosoma Japonicum* and *Nectar americanus*. International Journal of Parasitology, 40: 695 – 703. 2010
- Spiegel JM, Dharamsi S, Wasan KM, Yassi A, Singer B, Hotez PJ, Hanson C, Bundy DAP. Which new approaches to tackling neglected tropical diseases show promise? PLoS Medicine. 7(5): e10000255. 2010.
- Krieger GR, Utzinger J, Winkler MS, Divall MJ, Phillips SD, Balge MZ, Singer BH. Barbarians at the gate: storming the Gothenburg consensus. Lancet, 375(9732): 2129 – 2131. 2010
- Krieger GR, Utzinger J, Winkler MS, Divall MJ, Phillips SD, Balge MZ, Singer BH. New International consensus on health impact assessment – Author’s reply. Lancet. 376(9751): 1465. 2010
- Cassels S, Singer BH. Population decline induced by gonorrhoea and tuberculosis transmission: Micronesia during the Japanese occupation, 1919 – 1945. Journal of Population Research, 27(4): 293 – 313. 2010
- Winkler MS, Divall MJ, Krieger GR, Balge MZ, Singer BH, Utzinger J. Assessing health impacts in complex eco-epidemiological settings in the humid tropics; The centrality of scoping. Environmental Impact Assessment Review, 31: 310 – 319. 2011
- Singer BH, Castro MC. Reassessing Multiple-Intervention Malaria Control Programs of the Past: Lessons for the Design of Contemporary Interventions. Chapter 12 (pp. 151 – 165) in J. Selendy (ed.) Water and Sanitation-Related Diseases and the Environment: Challenges, Interventions, and Preventative Measures, New York: Wiley – Blackwell. 2011
- Castro MC, Singer BH. Malaria in the Brazilian Amazon. Chapter 32 (pp. 401 – 420) in J. Selendy (ed.) Water and Sanitation-Related Diseases and the Environment: Challenges, Interventions, and Preventative Measures. New York: Wiley – Blackwell. 2011

- MacDonald LH, Pathak G, Singer B, Jaffe PR. An integrated approach to address endemic fluorosis in Jharkand, India. Journal of Water Resource and Protection. 3: 457 – 472. 2011
- de Sherbinin A, Castro M, Gemenne F, Cernea MM, Adamo S, Fearnside PM, Krieger G, Lahmani S, Oliver-Smith A, Pankhurst A, Scudder T, Singer B, Tan Y, Wannier G, Boncour P, Ehrhart C, Hugo G, Pandey B, Shi G. Preparing for resettlement associated with climate change. Science, 334(6055): 456 - 457. 2011
- Winkler MS, Divall MJ, Krieger GK, Schmidlin S, Magassouba ML, Knobloch AM, Singer BH, Utzinger J. Assessing health impacts in complex eco-epidemiological settings in the rural tropics: Modular baseline health surveys. Environmental Impact Assessment Review, 33: 15 - 22. 2012
- Castro MC, Singer, BH. Agricultural Settlement and Soil Quality in the Brazilian Amazon. Population and Environment, 34(1): 22 - 43. 2012
- Krieger GR, Bouchard MA, Marques de Sa I, Balge Z, Williams D, Singer BH, Winkler MS, Utzinger J. Enhancing Impact: visualization of an integrated impact assessment strategy. Geo-Spatial Health. 6(2): 303 - 306 + video. 2012
- Winkler MS, Krieger GR, Divall MJ, Singer BH, Utzinger J. Health Impact Assessment of Industrial Development Projects: a spatio-temporal visualization. Geo-Spatial Health. 6(2): 299 - 301 + video. 2012
- Chiyaka C, Singer BH, Halbert SE, Morris JG, van Bruggen AHC. Modeling huanglongbing transmission within a citrus tree. Proceedings of the National Academy of Sciences. 109(30): 12213 - 12218. 2012
- Krieger GR, Singer BH, Winkler MS, Divall MJ, Tanner M, Utzinger J. Health impact assessment in developing countries. pp. 265 - 276 in John Kemm (ed.) Health Impact Assessment: Past Achievement, Current Understanding, and Future Progress. Oxford, UK: Oxford University Press. 2013
- Castro MC, Singer BH. Human settlement, environmental change, and frontier malaria in the Brazilian Amazon. pp. 118 - 136 in B. King and KA Crews (eds.) Ecologies and Politics of Health, New York: Routledge. 2013
- Winkler MS, Krieger GR, Divall MJ, Cisse G, Wielga M, Singer BH, Tanner M, Utzinger J. Untapped potential of health impact assessment. Bulletin of the World Health Organization, 91: 298 - 305. 2013
- Salcito K, Utzinger J, Weiss MG, Muench AK, Singer BH, Krieger GR, Wielga M. Assessing Human Rights Impacts in Corporate Development Projects. Environmental Impact Assessment Review, 42: 39 -50. 2013
- Salcito K, Singer BH, Krieger GR, Weiss MG, Wielga M, Utzinger J. Assessing corporate project impacts in changeable contexts: A human rights perspective. Environmental Impact Assessment Review, 47: 36 - 46. 2014
- Salcito K, Singer BH, Weiss MG, Winkler MS, Krieger GR, Wielga M, Utzinger J. Multinational corporations and infectious disease: Embracing human rights management techniques. Infectious Diseases of Poverty, 3: 39 (pp. 1 - 13). 2014
- Salcito K, Wielga C, Singer BH. Corporate and human rights commitments and the psychology of business acceptance of human rights duties: a multi-industry analysis. International Journal of Human Rights, DOI: 10.1080/13642987.2015.1029284: 24pp. 2015
- Lee JA, Halbert SE, Dawson WO, Robertson CJ, Keesling JE, Singer BH. Asymptomatic spread of huanglongbing and implications for disease control. Proceedings of the National Academy of Sciences, 112(24): 7605 - 7610. 2015
- Salcito K, Utzinger J, Krieger GR, Wielga M, Singer BH, Winkler MS, Weiss MG. Experience of Lessons from health impact assessment for human rights impact assessment, BMC International Health and Human Rights, 15: 24 DOI 10.1186/s12914-015-0062-5. 2015

- Dole, VP, Singer, B. On the Evaluation of Treatment Programs for Narcotics Addiction. Journal of Drug Issues: 205 - 211. 1979.
- Singer, Burton. Self-Selection and Performance-Based Ratings: A Case Study in Program Evaluation. Pp. 29 – 49 in H. Wainer (ed.) Drawing Inferences from Self-Selected Samples. New York: Springer - Verlag 1986.
- Berkman, L, Singer, B, Manton, KG. Black/White Differences in Health Status and Mortality Among the Elderly. Demography, 26(4):661 - 678. 1989.
- Manton, KG, Singer, B. Forecasting the Impact of the AIDS Epidemic on Elderly Populations. AIDS in an Aging Society, pp. 169 - 191. Edited by M.G. Ory and D. Zablotsky. Springer-Verlag: New York. 1989
- Singer, B, Manton, KG. How Many Elderly in the Next Generation? Focus, 12(2):1 - 11. Institute for Research on Poverty, University of Wisconsin-Madison. Summer 1993.
- Manton, KG, Singer, B. What's the Fuss about Compression of Mortality? Chance, 7(4):21-30. Autumn, 1994.
- Seeman, T, Singer, B, Charpentier, P. Gender Differences in Patterns of HPA Axis Response to Challenge. Psychoneuroendocrinology, 20(7):711-725. 1995.
- Ryff, CD, Singer, B. Psychological Well-Being: Meaning, Measurement, and Implications for Psychotherapy Research. Psychotherapy and Psychosomatics, 65:14-23. 1996.
- Singer, B, Ryff, CD. Racial and Ethnic Inequalities in Health: Environmental, Psychosocial, and Physiological Pathways. Intelligence, Genes and Success: Scientists Respond to the Bell Curve, pp. 89-122. Edited by B. Devlin, S.E. Fienberg, D. Resnick and K. Roeder. Springer-Verlag: New York, 1997.
- Seeman, T, McEwen, B, Singer, B, Albert, M, Rowe, J. Increase in Urinary Cortisol Excretion and Memory Declines: MacArthur Studies of Successful Aging. Journal of Clinical Endocrinology and Metabolism, 82(8):2458-2465. 1997.
- Ryff, CD, Singer, B. The Contours of Positive Human Health. Psychological Inquiry. 9(1): 1 – 28. 1998
- Ryff, CD, Singer, B. Human Health: New Directions for the Next Millennium. Psychological Inquiry. 9(1): 69 – 85. 1998
- Ryff, CD, Singer, B, Love, G, Essex, M. Resilience in Adulthood and Later Life. Pp. 69 -86 in J Lomranz (ed.) Handbook of Aging and Mental Health. New York: Plenum Press. 1998
- Ryff, CD, Singer, B. The Role of Purpose in Life and Personal Growth in Positive Human Health. In The Human Quest for Meaning, pp. 213 – 235. Edited by PTP Wong and PS Fry, Lawrence Erlbaum Assoc., Mahwah, NJ. 1998
- Ryff, CD, Singer, B. Middle Age and Well-Being. Encyclopedia of Mental Health. Vol. 2, pp. 707-717. Orlando, FL: Academic Press. 1998
- Zhao, H, Brooks-Gunn, J, McLanahan, S, Singer, B. Studying the real child rather than the ideal child: Bringing the Person into Developmental Studies. Pp. 393-419 in L Bergman and R Cairns (eds.) Developmental Science and the Holistic Approach. Mahwah, NJ: Lawrence Erlbaum. 1999
- Singer B, Ryff CD. Hierarchies of Life Histories and Associated Health Risks. Annals of New York Academy of Sciences. 896: 96 – 115. 1999
- Ryff, CD, Singer, B. Interpersonal Flourishing: A Positive Health Agenda for the New Millennium. Personality and Social Psychology Review. 4(1): 30 – 44. 2000
- Ryff, CD, Singer, B. Biopsychosocial Challenges of the New Millennium. Psychotherapy and Psychosomatics. 69(4): 170 – 177. 2000
- Ryff, CD, Singer, B, Wing, E, Love, G. Elective Affinities and Uninvited Agonies: Mapping Emotion with Significant Others onto Health. Pp. 133-175 in C.D. Ryff and B.H. Singer (eds.) Emotion, Social

- Relationships, and Health: Third Annual Wisconsin Symposium on Emotion. New York: Oxford University Press. 2001
- Ryff, CD, Singer, B. Introduction: Integrating Emotion into the Study of Social Relationships and Health. Pp. 3-22 in C.D. Ryff and B.H. Singer (eds.) Emotion, Social Relationships, and Health: Third Annual Wisconsin Symposium on Emotion. New York: Oxford University Press. 2001
- Seeman, T, Singer, B, Wilkinson, C, McEwen, B. Gender Differences in Age-Related Changes in HPA Axis Reactivity. Psychoneuroendocrinology 26: 225-240. 2001
- Seeman, T, McEwen, B, Rowe, J, Singer, B. Allostatic Load as a marker of cumulative biological risk: MacArthur Studies of successful aging. Proceedings of National Academy of Sciences 98(8): 4770-4775. 2001
- Singer, B, Ryff, CD. (Eds.) New Horizons in Health: An Integrative Approach. Washington, DC: National Academy Press . 2001
- Ryff, CD, Kwan, CM, Singer, B. Personality and Aging: Flourishing Agendas and Future Challenges. Pp. 477-499 in J.E. Birren & K.W. Schaie (Eds.) Handbook of the Psychology of Aging, 5<sup>th</sup> Edition. San Diego: Academic Press. 2001
- Singer, B, Ryff, CD. Person-Centered Methods for Understanding Aging: The Integration of Numbers and Narratives. Pp. 44-65 in Robert Binstock and Linda K. George (Eds.) Handbook of Aging and the Social Sciences. San Diego: Academic Press. 2001
- Ryff, CD, Singer, B. From Social Structure to Biology: Integrative Science in Pursuit of Human Health and Well-Being. Pp 541-555 in C.R. Snyder and S.J. Lopez (eds.) Handbook of Positive Psychology. New York: Oxford University Press. 2002
- Ryff, CD, Singer, B, Seltzer, MM. Pathways through challenge: implications for well-being and health. Pp. 302-328 in L. Pulkkinen and A. Caspi (eds.) Paths to Successful Development: Personality in the Life Course. New York: Cambridge University Press. 2002
- Seeman, T, Singer, B, Ryff, CD, Love, GD, Levy-Storms, L. Social relationships, Gender, and Allostatic Load across Two Age Cohorts. Psychosomatic Medicine. 64: 395-406. 2002
- Karlamangla, A, Singer, B, McEwen, B, Rowe, J, Seeman, T. Allostatic Load as Predictor of Functional Decline. Journal of Clinical Epidemiology, 55(7): 699-710. 2002.
- Ryff, CD, Singer, B. Ironies of the Human Condition: Well-Being and Health on the Way to Mortality. Pp. 271-287 in L.G. Aspinwall & U.M. Staudinnger (Eds.), A Psychology of Human Strengths: Perspectives on an emerging field. Washington, DC: American Psychological Association. 2002.
- Ryff, CD, Singer, B. The Role of Emotions on Pathways to Positive Health. Pp. 1083-1104 in R.J. Davidson, H.H. Goldsmith, & K. Scherer (Eds.) Handbook of Affective Science. New York: Oxford University Press. 2003
- Ryff, CD, Singer, B. Flourishing under fire: Resilience as a prototype of challenged thriving. Pp. 15-36 in Corey L.M. Keyes & Jonathan Haidt (eds.) Flourishing: Positive Psychology and the Life Well-Lived Washington, DC: American Psychological Association. 2003
- Hayney, M, Love, G, Buck, J, Ryff, CD, Singer, B, Muller, D. The Association between psychosocial factors and vaccine-induced cytokine production. Vaccine. 21: 2428-2432. 2003
- Ryff, CD, Singer, B. Thriving in the Face of Challenge: The Integrative Science of Human Resilience. Pp. 181-205 in Frank Kessel, Patricia L. Rosenfield and Norman B. Anderson (eds.) Expanding the Boundaries of Health and Social Science. New York: Oxford University Press. 2003.
- Rosenkranz, MA, Jackson, DC, Dalton, KM, Dolski, I, Ryff, CD, Singer, BH, Muller, D, Kalin, NH, Davidson, RJ. Affective Style and *in vivo* immune response: Neurobehavioral mechanisms. Proceedings of National Academy of Sciences. 100(19): 11148 – 11152. 2003
- Weinstein, M, Gorrindo, T, Riley, A, Mormino, J, Niedfeldt, J, Singer, B, Rodriguez, G, Simon, J, Pincus, S. Timing of Menopause and Patterns of Menstrual Bleeding. American Journal of Epidemiology. 158(8): 781 -791. 2003

- Jackson, DC, Mueller, CJ, Dolski, I, Dalton, KM, Nitschke, JB, Urry, HL, Rosenkranz, MA, Ryff, CD, Singer, BH, Davidson, RJ. Now you feel it, Now you don't: Frontal Brain Electrical Asymmetry and Individual Differences in Emotion Regulation. Psychological Science. 14 (6): 612 – 617. 2003
- Ryff, CD, Singer, BH, Palmersheim KA. Social Inequalities in Health and Well-Being: The Role of Relational and Religious Protective Factors. Pp. 90 – 123 in OG Brim, CD Ryff & RC Kessler (eds.) How Healthy are We? Chicago: University of Chicago Press. 2004
- Seeman, TE, Crimmins, E, Huang, M-H, Singer, B, Bucur, A, Gruenewald, T, Berkman, LF, Reuben, DB. Cumulative Biological Risk and Socio-economic Differences in Mortality: MacArthur Studies of Successful Aging. Social Science and Medicine. 58: 1985 – 1997. 2004
- Karlamangla, AS, Singer, BH, Reuben, DB, Seeman, TE. Increases in serum non-high density lipoprotein cholesterol may be beneficial in some high functioning older adults: MacArthur Studies of Successful Aging. J. Amer. Geriatrics Soc. 52(4): 487 – 494. 2004
- Urry, HL, Nitschke, JB, Dolski, I, Jackson, DC, Dalton, KM, Mueller, CJ, Rosenkranz, MA, Ryff, CD, Singer, BH, Davidson, RJ. Making a life worth living: neural correlates of well-being. Psychological Science. 15(6): 367 – 372. 2004
- Goldman, N, Weinstein, M, Cornman, J, Singer, B, Seeman, T, Chang, MC. Sex differentials in biological risk factors for chronic disease: estimates from population-based surveys. J. Women's Health 13(4): 393 -403. 2004
- Ryff, CD, Singer, BH, Love, GD. Positive Health: Connecting Well-Being with Biology. Philosophical Transaction of the Royal Society of London. B Biological Sciences Sept. 29 359(1449):1383 – 1394. 2004.
- Seeman T, Gleib, D, Goldman, N, Weinstein, M, Singer, B, Lin YH. Social Relationships and Allostatic Load in Taiwanese Elderly and Near Elderly..Social Science and Medicine. 59(11):2245 – 2257. 2004
- Singer, B, Ryff, CD, Seeman T. Operationalizing Allostatic Load. Pp. 113 – 149 in J Schulkin (ed.) Allostasis, Homeostasis, and the Costs of Physiological Adaptation. Cambridge, UK:Cambridge University Press. 2004
- Karlamangla, A, Singer, BH, Williams, DR, Schwartz, JE, Matthews, KA, Kiefe, CI & Seeman, TE. Impact of socioeconomic status on longitudinal accumulation of cardiovascular risk in young adults: the CARDIA study (USA). Social Science and Medicine. 60(5): 999 – 1015. 2005
- Karlamangla, A, Singer, BH, Greendale, GA & Seeman, TE. Increase in epinephrine excretion is associated with cognitive decline in elderly men: MacArthur Studies of Successful Aging. Psychoneuroendocrinology, 30: 453 – 460. 2005
- Friedman, EM, Hayney, MS, Love, GD, Urry, HL, Rosenkranz, MA, Davidson RJ, Singer BH & Ryff CD. Social Relationships, Sleep quality and Interleukin – 6 in aging women. Proceedings of National Academy of Sciences 102(51): 18757 – 18762. 2005
- Singer, B, Friedman E, Seeman T, Fava, GA & Ryff CD. Protective environments and health status: Cross-talk between human and animal studies. Neurobiology of Aging 26S: S113 – S118. 2005
- Karlamangla, AS, Singer, BH, Chodosh, J, McEwen, BS & Seeman, TE. Urinary cortisol as a predictor of incident cognitive impairment, Neurobiology of Aging 26S: S80 – S84. 2005
- Ryff CD, Love GD, Urry HL, Muller D, Rosenkranz MA, Friedman EM, Davidson RJ and Singer B. Psychological Well-Being and Ill-Being: Do they have distinct or mirrored biological correlates? Psychotherapy and Psychosomatics, 75: 85 -95. 2006
- Karlamangla AS, Singer BH & Seeman TE. Reduction in Allostatic Load in Older Adults is associated with lower all-cause mortality risk: MacArthur Studies of Successful Aging. Psychosomatic Medicine. 68: 500 – 507. 2006
- Gruenewald, TL, Seeman TE, Ryff, CD, Karlamangla, AS & Singer, BH. Combinations of biomarkers predictive of later life mortality. Proceedings of the National Academy of Sciences. 103(38): 14158 – 14163. 2006

- Ryff CD and Singer BH. Best news yet for the six-factor model of well-being. Social Science Research, 35:1103 – 1119. 2006
- Gorrindo T, Lu Y, Pincus S, Riley A, Simon JA, Singer BH, Weinstein M. Lifelong menstrual histories are typically erratic and trending: a taxonomy. Menopause, 14(1): 74 – 88. 2007
- Ryff CD and Singer BH. What to do about positive and negative items in studies of psychological well-being and ill-being. Psychotherapy and Psychosomatics, 76: 61. 2007
- Gruenewald TL, Karlamangla AS, Greendale GA, Singer BH, Seeman TE. Feelings of usefulness to others, disability, mortality in older adults: The MacArthur Studies of Successful Aging. J. Gerontology: Psychological Sciences, vol. 62B (1): P28 – P37. 2007
- Teague CR, Dhabhar FS, Barton RH, Beckwith-Hall B, Powell J, Cobain M, Singer B, McEwen BS, Lindon JC, Nicholson JK, Holmes E. Metabonomic Studies on the Physiological Effects of Acute and Chronic Psychological Stress in Sprague-Dawley Rats. J. Proteome Research, 6: 2080 – 2093. 2007
- Friedman EM, Hayney M, Love GD, Singer BH, Ryff CD. Plasma interleukin-6 and soluble IL-6 receptors are associated with psychological well-being in aging women. Health Psychology, 26(3): 305 – 313. 2007
- Friedman EM, Love GD, Rosenkranz MA, Urry HL, Davidson RJ, Singer BH, Ryff CD. Socioeconomic status predicts objective and subjective sleep quality in aging women. Psychosomatic Medicine, 69(7): 682 – 691. 2007
- Tsenkova VK, Love GD, Singer BH, Ryff CD. Socioeconomic status and psychological well-being predict cross-time change in glycosylated hemoglobin in older women without diabetes. Psychosomatic Medicine, 69(8): 777 – 784. 2007
- Ryff CD, Singer BH. Know Thyself and become what you are: A Eudaimonic approach to Psychological Well-Being. Journal of Happiness Studies, 9(1): 13 – 39. 2008; Reprinted in Antonella Delle Fave (Ed.), The Exploration of Happiness: Present and Future Perspectives, pp. 97 - 116, New York: Springer. 2013
- Gruenewald TL, Mroczek D, Ryff CD, Singer BH. Diverse pathways to positive and negative affect in adulthood and later life: an integrative approach using recursive partitioning. Developmental Psychology, 44(2): 330 – 343. 2008
- Friedman E, Williams D, Singer B, Ryff C. Perceived discrimination predicts elevated levels of fibrinogen in a national sample: Data from the Survey of Midlife in the United States (MIDUS). Brain, Behavior and Immunity, PNIRS Abstract 113, 22(4): 36-37. 2008
- Tsenkova VK, Love G, Singer BH, Ryff CD. Coping and positive affect predict longitudinal change in glycosylated hemoglobin. Health Psychology, (2Suppl): S163 – S 171. 2008
- Ryff CD, Singer BH. Understanding Healthy Aging: Key Components and their Integration, pp. 117 – 144 in V. Bengtson, D. Gans, N. Putney & M. Silverstein (eds.), Handbook of Theories of Aging, 2<sup>nd</sup> Edition, New York: Springer. 2008
- O'Connor KA, Ferrell RJ, Brindle E, Shofer J, Holman DJ, Miller RC, Schechter DE, Singer B, Weinstein M. Total and Unopposed Estrogen Exposure across Stages of the Transition to Menopause. Cancer Epidemiol. Biomarkers & Prev., 18(3): 828 – 836. 2009
- Gruenewald TL, Karlamangla AS, Greendale GA, Singer BH, Seeman TE. Increased mortality risk in older adults with persistently low or declining feelings of usefulness to others. J. Aging Health, 21(2): 398 – 425. 2009
- Costanzo ES, Ryff CD, Singer BH. Psychosocial Adjustment among Cancer Survivors: Findings from a National Survey of Health and Well-Being. Health Psychology, 28(2): 147 – 156. 2009
- Friedman E, Williams DR, Singer BH, Ryff CD. Chronic discrimination predicts higher circulating levels of E-selectin in a national sample: The MIDUS Study. Brain, Behavior & Immunity, 23(5): 684 – 692. 2009

- Singer B. Foreward, pp. vii - ix in LH Lumey and A Vaiserman (Eds.) Early Life Nutrition and Adult Health and Development: Lessons from Changing Dietary Patterns, Famines and Experimental Studies. New York: Nova Science Publishers. 2013
- Finch C, Singer B. Pathways of Survival and Structure During Human Transitions from the Darwinian World, pp. 145 - 168 in M. Weinstein & M. Lane (Eds.) Sociality, Hierarchy, Health: Comparative Biodemography, Washington DC: National Academy Press. 2014

### ***Clinical Medicine***

- Levy, David E.; Bates, David; Caronna, John J.; Cartlidge, Niall E.F.; KnillJones, Robin P.; Lapinski, Robert H.; Singer, Burton H.; Shaw, David A.; Plum, Fred. Prognosis in Nontraumatic Coma. Annals of Internal Medicine, 94(3):293 - 301. 1981.
- Levy, DE, Carrona, J, Frydman, H, Lapinski, R, Singer, B, Plum, F. Predicting Outcome from HypoxicIschemic Coma. Journal of American Medical Association, 253:1420 - 1426. 1985.
- Levy, DE, Scherer, PB, Lapinski, RH, Singer, BH, Pulsinelli, W, Plum, F.. Predicting Recovery from Acute Ischemic Stroke using Multiple Clinical Variables, pp. 69-75 in Cerebrovascular Diseases 14<sup>th</sup> edition. Edited by F. Plum and W.A. Pulsinelli. New York: Raven Press. 1985.
- Viscoli, C, Horwitz, RI, Singer, B. BetaBlockers After Myocardial Infarction: Influence of First Year Clinical Course on LongerTerm Effectiveness. Annals of Internal Medicine, 118(2):99105. 1993.

### ***Sociology***

- Singer, Burton (Chairman) and Members of the National Research Council on Immigration Statistics. Immigration Statistics, A Story of Neglect, National Academy Press: Washington. 1985.
- Cole, J, Singer, B. A Theory of Limited Differences: Explaining the Productivity Puzzle in Science. The Outer Circle, pp. 277 - 310. Edited by H. Zuckerman, J.R. Cole and J. Bruer. W.W. Norton. 1991.
- Guelich, JM, Singer, BH, Castro, MC. and Rosenberg, LE. A Gender Gap in the Next Generation of Physician Scientists: Medical Student Interest and Participation in Research. Journal of Investigative Medicine. 50(6): 412-418. 2002.
- Keiser, J, Utzinger, J, Singer, B. Gender Composition of Editorial Boards of General Medical Journals. The Lancet. 362, 18 October 1336. 2003
- Keiser, J, Utzinger, J, Tanner, M, Singer, BH. Representation of authors and editors from countries with different human development indexes in the leading literature on tropical medicine: survey of current evidence. British Medical Journal. 328(7450):1229-1232. 2004
- Singer B. Comment: Implication Analysis as Abductive Inference. Pp. 75 – 83 in Yu Xie (ed). Sociological Methodology, 2008. New York: John Wiley & Sons – Blackwell. 2008

### ***Genetics***

- Singer, B, Sager, R, Ramanas, Z. Chloroplast Genetics of Chlamydomonas Closing the Circle. Genetics, 83:341 - 354. 1976.
- Singer, Burton. The Interface Between Genetics, Demography and Epidemiology: Examples and Future Directions. Convergent Questions in Genetics and Demography, pp. 257 - 274. Edited by J. Adams, D. Lam and P. Smouse. Oxford University Press. 1990.

- Risch, N, DeLeon, D, Ozelius, L, Kramer, P, Almasy, L, Singer, B, Fahn, S, Breakfield, X, Bressman, S. Genetic Analysis of Idiopathic Torsion Dystonia in Ashkenazi Jews: and their Recent Descent from a Small Founder Population. Nature Genetics, 9:152-159. February, 1995.
- Risch, N.; DeLeon, D.; Fahn, S.; Bressman, S.; Ozelius, L.; Breakfield, X.; Kramer, P.; Almasy, L.; Singer, B. ITD in Ashkenazi Jews: genetic drift or selection? Nature Genetics, In Reply to Zoosmann-Diskin, (11):14-15. September, 1995.
- Ryff, CD & Singer, BH. Social Environments and the Genetics of Aging: Advancing Knowledge of Protective Health Mechanisms. Journals of Gerontology: Series B Vol. 60B (Special Issue I): 12 – 23. 2005
- Chen X, Cho K, Singer BH, Zhang H. The Nuclear Transcription Factor PKNOX2 is a candidate gene for Substance Dependence in European – Origin Women. PLoS One. 6(1): e16002 (5pp.). 2011
- Singer, B. Genome – Phenome Linkages in Human Population Surveys, with special emphasis on the Health and Retirement Survey. Forum for Health Economics and Policy. 14(3), article 6: 1 – 22. 2011

### *Miscellaneous*

- Arnstein W, Mergler, HW, Singer, B. Digital Linear Interpolation and the Binary Rate Multiplier. Control Engineering: 79 - 83. June 1964.
- Frost, WT, Singer, B. Increased Areal Density in Magnetic Recording. Proceedings of International Conference on Magnetic Recording, I.E.E., pp. 44 - 47. London England. July 1964.
- Ezzati, M, Singer, B, Kammen, D. Towards an Integrated Framework for Development and Environmental Policy: The Dynamics of Environmental Kuznets Curves. World Development, 29(8): 1421-1434. 2001

: