

CURRICULUM VITAE

CLAUDIA MARIA HOPENHAYN

2365 Harrodsburg Road, Suite B100

Lexington, KY 40504-3381

Phone: (859) 219-0773 ext. 307

Fax:(859) 219-0548

E-mail: cmhope0@uky.edu

EDUCATION

Ph.D.	May 1996	Department of Epidemiology University of California, Berkeley
M.P.H.	May 1989	Dept. of Epidemiology and Biostatistics University of California, Berkeley
B.A.	May 1986	Department of Physical Education University of California, Berkeley
B.A.	March 1978	Language & Translation (Spanish-English) Universidad del Salvador, Buenos Aires, Argentina

RESEARCH AND ACADEMIC POSITIONS

Associate Professor	2005-present	College of Public Health, University of Kentucky
Assistant Professor (tenure track)	2002-2005	Dept.of Prev.Medicine and Environ. Health, University of Kentucky
Research Associate Professor	2001-2002	
Research Assistant Professor	1997-2001	
Research Epidemiologist	1989-1997	School of Public Health University of California, Berkeley
Research Consultant	1993-1994	California Public Health Foundation - for California Environmental Protection Agency
Senior Research Associate	1988-1989	Reproductive and Cancer Hazard Assessment Section, California Department of Health Services
Research Assistant	1988	Neurology Department Kaiser Hospital, Oakland, CA
Research Assistant	1985	Laboratory of Developmental and Aging Neuroendocrinology University of California, Berkeley

PUBLICATIONS

Journal Articles

Hertz-Picciotto, I., Hopenhayn-Rich, C., Golub, M., Hooper, K. The Risks and Benefits of Taking Aspirin During Pregnancy. *Epidemiologic Reviews*, Vol. 12, 1990.

Donald, J.M., Hooper, K., Hopenhayn-Rich, C. Reproductive and Developmental Toxicity of Toluene: A Review. *Environmental Health Perspectives*, 1991, Vol. 94:237-244.

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Smith A.H., Hopenhayn-Rich, C., Warner, M., Biggs, M.L., Moore, L., Smith M.T. Bladder cell micronucleus as a biomarker of effect for arsenic exposure. *Journal of Toxicology and Environmental Health*, 1993; 40:223-234.

Engel, R.R., Hopenhayn-Rich, C., Receveur, O., Smith, A.H. Vascular effects of chronic arsenic exposure: a review. *Epidemiologic Reviews*, 1994; 16:184-209.

Moore, L.E., Smith, A.H., Hopenhayn-Rich, C., Biggs, M.L., Warner, M.L., Kalman, D.A., Smith, M.T. Increased bladder cell micronuclei found in two populations environmentally exposed to arsenic in drinking water. *Clinical Chemistry*, 1995; 41:1915-1917.

Hopenhayn-Rich, C., Biggs, M.L., Fuchs, A., Bergoglio, R., Tello, E., Nicolli, H., Smith, A.H. Bladder cancer mortality associated with arsenic in drinking water in Cordoba, Argentina. *Epidemiology*, 1996; 7:117-124.

Hopenhayn-Rich, C., Biggs, M.L., Smith, A.H., Kalman, D.A., Moore, L.E. Methylation study of a population environmentally exposed to arsenic in drinking water. *Environmental Health Perspectives*. 1996;104:620-628.

Hopenhayn-Rich, C., Biggs, M.L., Kalman, D.A., Moore, L.E., Smith, A.H. Arsenic methylation patterns before and after change from high to lower arsenic concentrations in drinking water, *Environmental Health Perspectives*. 1996;104:1200-1207.

Moore, L.E., Smith, A.H., Hopenhayn-Rich, C., Biggs, M.L., Kalman, D.A., Smith, M.T. Micronuclei in exfoliated bladder cells among individuals chronically exposed to arsenic in drinking water, *Cancer Epidemiology, Biomarkers and Prevention*, 6:31-36, 1997.

Biggs, M.L., Kalman, D.A., Moore, L.E., Hopenhayn-Rich, C., Smith, M.T., Smith, A.H. Relationship of urinary arsenic to intake estimates and a biomarker of effect, bladder cell micronuclei, *Mutation Research*. 386:185-195, 1997.

Moore LE, Smith AH, Hopenhayn-Rich C, Biggs ML, Kalman DA, Smith MT. Decrease in bladder cell micronucleus after intervention to lower the concentration of arsenic in drinking water. *Cancer, Epidemiology, Biomarkers and Prevention*, 6:1051-6, 1997.

Hopenhayn-Rich C, Biggs ML, Smith AH. Lung and kidney cancer mortality associated with arsenic in drinking water in Córdoba, Argentina. *International Journal of Epidemiology*, 27: 561-569, 1998.

Steinmaus C, Moore LE, Hopenhayn-Rich C, Biggs ML, Smith AH. Arsenic in drinking water and bladder cancer. *Cancer Investigation*, 18:174-182, 2000.

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Pieretti M, Hopenhayn-Rich C, Khattar N, Cao Y-M, B. Huang, Tucker TC. Heterogeneity of ovarian cancer: relationship between histological group, stage of disease, tumor markers and survival. *Cancer Investigation*, 20: 11-23, 2002.

Hopenhayn-Rich C, Stump M, Browning S, Huang, B. Regional assessment of atrazine exposure and incidence of breast and ovarian cancers in Kentucky. *Archives of Environmental Contamination and Toxicology*, 42:127-136, 2002.

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Hopenhayn C, Bush H, Christian A, Shelton B. Comparison of invasive cervical cancer rates in three Appalachian states. *Prev Med*. 2005 Nov-Dec; 41(5-6):859-64.

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Book Chapters

Hopenhayn-Rich, C. "Chapter 4: Heavy Metals", in *Environmental Epidemiology: A Project for Latin America and the Caribbean*, Pan American Center for Human Ecology and Health, Panamerican Health Organization, 1993.

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Committee member/author of: Veterans and Agent Orange, Update 2004. The National Academies Press, Washington, DC. 2005.

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Hopenhayn-Rich, C. Metabolic Effects of Alcohol on Human Neuroblastoma In Vitro. In Proceedings of the Summer Research Program 1985, Graduate Division, U.C. Berkeley.

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Smith, A.H., Biggs, M.L., Hopenhayn-Rich, C., Kalman, D. Letter to the editor: "Arsenic risk assessment", *Environmental Health Perspectives*, 1995;103:13-15.

Hopenhayn-Rich C, Biggs ML., Smith AH. Letter to the editor: Response to "Arsenic and bladder cancer mortality" *Epidemiology*, 7:558; 1996.

Biggs M, Haque R, Moore L, Smith A, Ferrecio C, Hopenhayn-Rich C. "Arsenic-Laced Water in Chile", Letter to the editor, *Science*, 281:785, 1998.

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Hopenhayn C, Christian J. Response to Commentary "Concentrations in Spot Urine Samples need Adjustment...to Arsenic in Drinking Water," *Environmental Research*, 2007.

In Submission Process

Christian J, Hopenhayn C, Christian A, Koch A. High rates of hepatitis B- and C-related hospitalizations in Appalachian Kentucky.

Hopenhayn C, King JB, Christian A, Huang B, Christian WJ, Variations in the incidence rates of cervical cancer within the Appalachian region.

Masterson E, Hopenhayn C, Christian J. The Role of Mental Health in Predicting Health Protective Behavior: Mammography Screening.

Hopenhayn C, Bush HM, Schenberg NE, Moore G, Crosby R. Factors influencing female college students' intent to receive the Human Papillomavirus (HPV) vaccine.

PRESENTATIONS

Smith AH, Bates MN, Hopenhayn-Rich C. Evidence that Arsenic is a Major Source of Environmental Cancer Risk. Presented at the XIIth Scientific Meeting of the International Epidemiological Association Meeting, Los Angeles, California, August 7, 1990.

Donald JM, Hooper K, Hopenhayn-Rich C. Developmental Toxicity of Toluene: Evidence from Animal and Human Studies. Poster presentation at the 2nd meeting of the International Society for Environmental Epidemiology, Berkeley, California, August 13-15, 1990.

Hopenhayn-Rich C. Pilot Epidemiological Biomarker Study of a Population with a Drinking Water Supply High in Arsenic Content. Poster presentation at the Fourth Annual Research Symposium, U.C. Toxic Substances Research and Teaching Program, University of California, Santa Barbara, November 3, 1990.

Hopenhayn-Rich C, Smith AH. Epidemiological Biomarker Studies of Populations Exposed to Inorganic Arsenic from Drinking Water. Poster presentation at the Fifth Annual Research Symposium, U.C. Toxic Substances Research and Teaching Program, University of California, San Francisco, October 19, 1991.

Hopenhayn-Rich C. Evaluación de riesgo de cánceres internos causados por el hidroarsenicismo y determinaciones biológicas de exposición y efecto. Presented at the Hospital Nacional Clínicas, Córdoba, Argentina, December 13, 1991. **International**

Smith AH, Hopenhayn-Rich C, Bates M, Goeden H, Hertz-Picciotto I, Duggan H, Wood R, Kosnett MJ, Smith MT. Cancer risks from arsenic in drinking water. Presented at the International Seminar "Presencia de Arsénico en el Ambiente y su Incidencia en Salud", Santiago, Chile, May 25-29, 1992.

International

Hopenhayn Rich C, Smith AH. Relación entre arsénico y cánceres internos: métodos de investigación. Presented at the National Academy of Sciences, Cordoba, Argentina, June 4, 1992. **International**

Hopenhayn-Rich C, Smith AH and Goeden HM. Epidemiological evidence does not support the threshold methylation theory for the carcinogenicity of inorganic arsenic. Presented at the 4th meeting of the International Society for Environmental Epidemiology, Cuernavaca, Mexico, August 26-29, 1992. **International.**

Smith AH, Hopenhayn-Rich C, Warner M, Engel R, Bates M, and Goeden HM. Epidemiological study designs to examine bladder cancer risks from arsenic in drinking water. Presented at the 4th meeting of the International Society for Environmental Epidemiology, Cuernavaca, Mexico, August 26-29, 1992. **International**

Smith AH, Hopenhayn-Rich C. Effects of arsenic exposure on human health: a state of the art. Presented at "Medio Ambiente y Desarrollo Sustentable: Control Ambiental de Arsénico", meeting sponsored by the Universidad de Chile and the Instituto de Salud Pública, Santiago, Chile, October 8, 1992. **International**

Hopenhayn-Rich C, Smith AH and Goeden HM. Assessment of inorganic arsenic and its metabolites in persons drinking water containing high arsenic levels, Presented at the Thirty-first Hanford Symposium on Health and the Environment, Richland, Washington, October 19-23, 1992.

Smith, A.H Hopenhayn-Rich C, Warner M, Biggs ML, Moore L, Smith MT. Bladder Cell Micronucleus as a Biomarker of Effect for Arsenic Exposure. Presented at the Thirty-first Hanford Symposium on Health and the Environment, Richland, Washington, October 19-23, 1992.

Smith AH, Hopenhayn-Rich C, Biggs ML, Moore L, Dale J, Warner M, Bates M, Engel R. Epidemiological study designs to address potential high bladder cancer risks from arsenic in drinking water. Presented at the International Conference on Arsenic Exposure and Health Effects, July 27-30, 1993, New Orleans, Louisiana.

Hopenhayn-Rich C, Smith AH, Biggs ML, Warner M, Moore L, Dale J, Rich B, Kalman D, Atallah R, Vega F, Oyanguren C. Urinary speciation and methylation patterns of populations chronically exposed to high arsenic levels from drinking water in the U.S. and Chile. Presented at the International Conference on Arsenic Exposure and Health Effects, New Orleans, July 27-30, 1993.

Smith AH, Hopenhayn-Rich C, Engel R, Warner M, Biggs ML, Dale J. Epidemiologic methods for investigating arsenic in drinking water and bladder cancer, Presented at the International Society for Environmental Epidemiology Conference, Stockholm, Sweden, August 15-18, 1993. **International**

Hopenhayn-Rich C. Assessing the Cancer Risk of Saccharin and Sodium Saccharin. Discussant Session "Epidemiology of Bladder Cancer and Saccharin", San Francisco, California, April, 1994.

Smith AH, Hopenhayn-Rich C, Moore LE, Biggs ML, Barroga R. Epidemiological and biomarker findings concerning arsenic and bladder cancer in Chile and Argentina. Presented at the Workshop on arsenic: epidemiology and PBPK modeling, Annapolis, Maryland, June 27-28, 1994.

Smith AH, Hopenhayn-Rich C. Comparación de la presencia de micronúcleos en células de vejiga en sujetos expuestos a altas concentraciones de arsénico en agua y no expuestos. Presented at the meeting: Arsénico en el Ambiente y la Salud Humana: Estudios de Efectos a Nivel Celular y a Nivel Poblacional, sponsored by the Panamerican Health Organization, Santiago, Chile, July 18, 1994. **International**

Hopenhayn-Rich C, Biggs ML, Smith AH, Fuchs A., Bergoglio R, Nicolli H. Increased bladder, lung and kidney cancer risks associated with high arsenic levels in drinking water in a region of Argentina.

Presented at the International Society for Environmental Epidemiology Conference, North Carolina, September 18-21, 1994.

Biggs ML, Hopenhayn-Rich C, Kalman DA, Smith AH, Moore LE. Assessing chronic arsenic exposure using urine samples and questionnaire data. Presented at the International Society for Environmental Epidemiology Conference, September 18-21, 1994, North Carolina, U.S.A.

Smith AH, Moore LE, Hopenhayn-Rich C, Biggs ML, Kalman DA, Barroga VR, Smith MT. Bladder cell micronuclei prevalence before and after providing low arsenic water to a population with high arsenic exposure from drinking water. Presented at the International Society for Environmental Epidemiology Conference, North Carolina, September 18-21, 1994.

Hopenhayn-Rich C, Biggs ML, Smith AH, Kalman DA, Moore LE. Arsenic speciation analysis of urinary metabolites in a population highly exposed to inorganic arsenic from drinking water. Presented at the International Society for Environmental Epidemiology Conference, North Carolina, September 18-21, 1994.

Hopenhayn-Rich C, Biggs ML, Smith AH, Moore LE, Kalman DA. Arsenic methylation in a chronically exposed population: a multifactorial analysis of metabolite distribution. Presented at the SEGHS Second International Conference on Arsenic Exposure and Health Effects, San Diego, California, June 12-14, 1995.

Kalman DA, Atallah R, Smith AH, Biggs ML, Hopenhayn-Rich C. Speciation of arsenic in biological samples. Presented at the SEGHS Second International Conference on Arsenic Exposure and Health Effects, San Diego, California, June 12-14, 1995.

Hopenhayn-Rich C, Biggs ML, Smith AH, Kalman DA, Moore LE. Distribution of urinary arsenic metabolites before and after reduction of arsenic levels in drinking water supply. Presented at the International Society for Environmental Epidemiology Conference, Noordwijkerhout, The Netherlands, August 30-Sept. 1, 1995. **International**
Smith AH, Biggs ML, Hopenhayn-Rich C, Moore LE, Smith MT, Waldman F.
New ecological findings concerning arsenic and bladder cancer and proposed tumor biomarker studies. Presented at the International Society for Environmental Epidemiology Conference, Noordwijkerhout, The Netherlands, August 30-Sept. 1, 1995. **International**

Hopenhayn-Rich C, Biggs ML, Moore LE, Kalman DA, Smith AH. Effect of smoking on arsenic methylation in a population with high arsenic exposure. Presented at the International Society for Environmental Epidemiology Conference, Edmonton, Canada, August 17-21, 1996. **International**

Biggs ML, Hopenhayn-Rich C, Moore LE, Kalman DA, Smith AH. Comparison of exposure indices based on urinary arsenic with estimates based on daily intake. Presented at the International Society for Environmental Epidemiology Conference, Edmonton, Canada, August 17-21, 1996. **International**

Hopenhayn-Rich C, Biggs ML, Moore LE, Smith AH, Kalman DA. Methylation study of populations in the Atacama Desert exposed to arsenic from drinking water. International Seminar on Arsenic, Health Effects, Remediation Methods and Treatment Costs, Santiago, Chile, October 8-10, 1996. **International**

Hopenhayn-Rich C, Hertz-Picciotto I, Johnson KD. Reproductive and developmental effects associated with chronic arsenic exposure. Presented at the Third International Conference on Arsenic Exposure and Health Effects, San Diego, California, July 12-15, 1998.

Hopenhayn-Rich C, Hertz-Picciotto I, Johnson KD. Increased fetal and infant mortality associated with high arsenic exposure. Presented at the International Society for Environmental Epidemiology Conference, Boston, Massachusetts, U.S.A. August 15-19, 1998.

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Moore L, Biggs ML, Hopenhayn-Rich C, Smith AH. Methodological Considerations in Molecular Epidemiologic Studies Employing Biomarkers of Disease and Susceptibility. Presented at the International Society for Environmental Epidemiology Conference, Boston, August 15-19, 1998.

Hopenhayn-Rich C, Tucker T, Gallion N, Khattar NH, Pieretti M. Are specific reproductive factors associated with distinct genetic markers in ovarian cancer? Presented at the AACR Annual Meeting Philadelphia, PA. April 10-14, 1999.

Hopenhayn-Rich C, Ferreccio C, Hertz-Picciotto I, Peralta C, Browning S, Gibb H. Prospective Pregnancy Follow-up Study and Arsenic Exposure. Presented at the International Society for Environmental Epidemiology Conference, Athens, Greece, September, 1999. **International**

Stump M, Hopenhayn-Rich C, Browning S, Huang B. Atrazine exposure and risk of ovarian cancer. Presented at the Agricultural Safety and Health in a New Century Conference, Cooperstown, NY, April 2000.

Hopenhayn-Rich C, Ferreccio C, Peralta C, Browning S, Huang B, Gomez-Caminero A, Hertz-Picciotto I, Gibb, H. Arsenic exposure from drinking water and reproductive effects: pregnancy cohort study in Chile. Presented at the 6th International Symposium of Metal Ions in Biology and Medicine, San Juan, Puerto Rico, May 2000. **International**

Hopenhayn-Rich C, Peralta C, Browning SR, Huang B, Ferreccio C, Gomez-Caminero A, Hertz-Picciotto I. Arsenic exposure and reproductive outcomes: preliminary report from a pregnancy cohort study in Chile. Presented at the Fourth International Conference on Arsenic Exposure and Health Effects, San Diego, California, June , 2000.

Hopenhayn-Rich C, Moore DB, Tucker TC, Kryscio RJ, Boissonneault GA, Huang B. Using BRFSS data with a state cancer registry to investigate colorectal cancer trends. Presented at The 18th Annual Behavioral Risk Factor Surveillance System (BRFSS) Conference, Atlanta, GA, March, 2001.

Hopenhayn-Rich C, Moore DB, Tucker TC, Kryscio RJ, Boissonneault GA, Huang B, Stump M. Colorectal Cancer in Kentucky: Regional Variations in Incidence, Mortality, Screening, and Risk Factors. Presented at the Appalachian Spring: A Rural Health Research Symposium, at the University of Kentucky, April 19-20, 2001.

Hopenhayn-Rich C. Using BRFSS Data With A State Cancer Registry To Investigate Colorectal Cancer Trends. Presentation to the National Center for Chronic Disease Prevention and Health Promotion, Division of Cancer Prevention and Control, Atlanta, GA, July 9, 2001.

Hopenhayn-Rich C, Browning SR, Ferreccio C, Huang B, Peralta C, Hertz-Picciotto I, Gomez-Caminero, A, Gibb H. The Effects of Arsenic in Drinking Water on Birth Weight. Presented at the International Society for Environmental Epidemiology meeting in Garmisch-Partenkirchen, September 2-5, 2001. **International**

Hopenhayn-Rich C, Stump M, Browning S, Huang B. Use of secondary data to characterize exposure to environmental pollutants in drinking water, Presented at the International Society for Environmental Epidemiology meeting in Garmisch-Partenkirchen, September 2-5, 2001. **International**

Gomez-Caminero A, Pankow J, Hopenhayn-Rich C, Ferreccio C, Peralta C, Hertz-Picciotto I. Effects of Arsenic on Biomarkers of Cardiovascular health. Presented at the International Society for Environmental Epidemiology meeting in Garmisch-Partenkirchen, September 2-5, 2001. **International**

Hopenhayn-Rich C. Research Projects using KCR Data. Presented at the 15th Annual Advanced Cancer Registrars' Workshop, Lexington, KY, September 27-28, 2001.

Hopenhayn-Rich, C. Regional Variation in Incidence, Behavioral Risk Factors and Screening of Colorectal Cancer in Kentucky. University of Kentucky Prevention Research Center Seminar Series, October 29, 2001.

Hopenhayn C, Huang B, Browning SR, Peralta C, Ferreccio C, Hertz-Picciotto I, Gibb H, Centeno J. Exposure to arsenic in drinking water during pregnancy. To be presented at the Fifth International Conference on Arsenic Exposure and Health Effects, San Diego, California, July, 2002.

Gomez-Caminero A, Hertz-Picciotto I, Pankow J, Hopenhayn C, Ferreccio C. Biomarkers of alterations in cardiovascular health and exposure to arsenic in drinking water in Chile. To be presented at the Fifth International Conference on Arsenic Exposure and Health Effects, San Diego, California, July, 2002.

Bates MN, Hopenhayn C, Rey OA, Smith AH. Association between bladder cancer and maté consumption in Argentina. Presented at the International Society for Environmental Epidemiology meeting in Vancouver, August 2002. **International**

Hopenhayn, C. Reproductive Effects and Arsenic methylation profiles in Chilean populations. Invited presentation at the International Symposium Chile-USA – Toxicogenomic: A New Area in Risk Assessment of Diseases Related to Environmental Pollutants, September 30–October 2, 2002, Santiago, Chile. **International**

Hopenhayn C, Bush HM, Randles KM, Boissonneault GA. Does Arsenic Exposure Increase the Risk of Anemia During Pregnancy? Presented at the International Society for Environmental Epidemiology meeting in Perth, Australia, September 24-26, 2003. **International**

Hopenhayn C, Huang B, Jenkins T, Rubio A, Schoenberg N, Knight E, Beaulieu J, Christian A. Prioritizing High-Risk Counties for an Intervention Study of Invasive Cervical Cancer in Appalachian Kentucky. Presented at the Annual Meeting of the American Public Health Association, San Francisco, November, 2003.

Hopenhayn C, Bush H, Christian A, Huang B. Patterns of Cervical Cancer Occurrence among Appalachian Subgroups. Presented at the 18th National Conference on Chronic Disease, Prevention and Control in Washington, DC, February 18-20, 2004.

Hopenhayn, C, Christian A, Bush H, Christian, J. Patterns of cancer risks and rates and risk factors in Kentucky, presented at the “Relationship of Tobacco and HPV with Lung, Head and Neck and Cervical Cancer Symposium, Markey Cancer Center, University of Kentucky, May 20, 2004.

Christian WJ, Hopenhayn C, Centeno J. Correlation of urinary selenium levels with urinary excretion and metabolite distribution of inorganic arsenic species. Presented at the International Society for Environmental Epidemiology meeting in New York, August 1-4, 2004.

Fletcher RA, Anglin MK, Hopenhayn C, Christian A Cervical Cancer Screening and Health Disparities in an Eastern Kentucky County. Presented at the meeting of the Society for Applied Anthropology (SFAA), 2004

Hopenhayn C, Christian A, Fletcher RA, Anglin M. Attitudes Toward Pap and HPV Testing and Health Surveys in an Appalachian Community. Presented at the 19th National Conference on Chronic Disease, Atlanta, March 1-3, 2005

Hopenhayn C, Christian A, Bush A, Christian WJ. Lung and cervical cancer in Kentucky: Characterization of high risk sub-groups. Presented at the Kentucky Public Health Association Conference, Louisville, Kentucky, April 19-21, 2005.

Christian WJ, Hopenhayn C, Bush H, Christian A. Cancer risk factors among smokers in Kentucky. Presented at the Kentucky Public Health Association Conference, Louisville, Kentucky, April 19-21, 2005.

Christian A , Hopenhayn C, Bush A, Christian WJ. Knowledge and attitudes toward human papillomavirus (HPV) and screening for cervical cancer in two Appalachian Kentucky counties Presented at APHA, Philadelphia, December 2005.

Hopenhayn C, Christian A, Christian WJ. Factors associated with interest in human papillomavirus (HPV) testing and potential acceptance of HPV vaccine in two rural Appalachian counties. Presented at the Congress of Epidemiology, Seattle, Washington, June 21-24, 2006.

Hopenhayn C, Goel S. Reproductive and developmental effects associated with environmental arsenic exposure. Presented at the International Society for Environmental Epidemiology meeting in Paris, France, September 2-6, 2006.

Hopenhayn C, Christian WJ. Naturally-occurring arsenic in drinking water and human health effects. Presented at the Geological Society of America meeting in Philadelphia, PA, October 22-25, 2006.

Bhandari M, Scutchfield FD, Hopenhayn C. A multilevel analysis of preterm births in Kentucky, Presented at APHA, Boston, MA, November 4-8, 2006.

Hopenhayn C, Schoenberg N, Crosby R. Factors associated with HPV vaccine acceptance among female college students. Presented at APHA, Boston, MA, November 4-8, 2006.

Materson EA, Hopenhayn C, Charnigo RJ. Role of mental health in predicting health protective behavior: Mammography screening. Presented at APHA, Boston, MA, November 4-8, 2006.

Christian A, Hopenhayn C, Christian WJ. Acceptance of the human papilloma virus (HPV) vaccine among women in two Appalachian counties. Presented at the Kentucky Public Health Association Conference, Louisville, Kentucky, April, 2007.

Christian WJ , Hopenhayn C, Christian A, Koch A, Geography of viral hepatitis in Kentucky: implications for liver cancer control and prevention. Presented at the Kentucky Public Health Association Conference, Louisville, Kentucky, April, 2007.

Hopenhayn C, Christian A, Christian WJ HPV Vaccine Acceptance in Kentucky: Results of the 2006 BRFSS. Presented at the CDC Cancer Conference, Atlanta, August 13-16, 2007.

Christian A, Christian WJ, Koch A, McIntosh D, Hopenhayn C. Liver cancer risk and hepatitis testing in a high risk rural population: A collaborative approach. Presented at the CDC Cancer Conference, Atlanta, August 13-16, 2007.

OTHER RECENT PROFESSIONAL AND RESEARCH ACTIVITIES (since 2000)

NIH-Fogarty Study Section Reviewer, 2007

Institute of Medicine; Committee Member, Health Effects in Vietnam Veterans of Exposure to Herbicides, 2004-2005 and 2006-2007 reviews.

University of Arizona, Tucson; Member of External Review Committee, University of Arizona Superfund Program, 2004-Present

ASPH/CDC Allan Rosenfield Global Health Fellowship Program Review Committee, 2007

Environmental Protection Agency; Invited Panel Member
Science Advisory Board, Arsenic Review Panel, August 2005 to December 2006

National Institute of Occupational Health and Safety (NIOSH); Alice Hamilton Award Reviewer, 2004

American Public Health Association; Abstract Reviewer for 2003 and 2004 Annual Conferences
Environmental Protection Agency; Invited Panel Member
Federal Insecticide, Fungicide and Rodenticide Act, Scientific Advisory Panel, Environmental Protection Agency. Characterization of atrazine cancer epidemiology data, Washington DC, 2003.

Proposal Reviewer for EPA:

- a. WHO: International Program on Chemical Safety, World Health Organization, 2003
- b. WHO: Office of the Protection of the Human Environment, World Health, Organization, 2003.
- c. New York University: Effects of Breast Cancer in Relationship to Environmental Hazards in Rockland County and the East side of Manhattan, 2003.

National Academy of Sciences; Short term assignment to evaluate reproductive effects of arsenic in drinking water, 2001.

Environmental Protection Agency -Panel Member
Federal Insecticide, Fungicide and Rodenticide Act, Scientific Advisory Panel (FIFRA SAP), Environmental Protection Agency. Evaluation of CCA pesticide and potential hazard to children from playground treated wood. Washington D.C., October 22-26, 2001.

Managua, Nicaragua; Invited Symposium Speaker (**International**)
International Conference on Skin and the Environment, Managua, Nicaragua, June 15-16, 2001.
Sponsored and invited by the Panamerican Health Organization.

University of Cincinnati; Seminar Presentation
Reproductive Effects from Arsenic Exposure. Division of Epidemiology and Biostatistics, Department of Environmental Health, College of Medicine, Cincinnati, OH, May 3, 2001.

National Institute for Occupational Health and Safety; Invited Presentation
Arsenic Reproductive and Carcinogenic Effects. National Institute of Occupational Health and Safety (NIOSH), Cincinnati, OH, May 4, 2001

World Health Organization (**International**)
Temporary Assignment in Inner Mongolia, China. September, 2000.

Panamerican Health Organization (PAHO); Invited Reviewer (**International**)
Reviewer and Tester of the new Perinatal Information System (SIP2000) of the Latin

American Center for Perinatology and Human Development (PAHO/WHO); technical and epidemiologic assessment. October, 2000.

World Health Organization, International Program on Chemical Safety (**International**)
Task Group on Arsenic and Arsenic Compounds, Temporary Advisor 1999-2000
Queensland Health Scientific Services and National Research Centre for Environmental Toxicology, Brisbane, Australia, November 15-19, 1999; San Juan, Puerto Rico 2000.

University of Kentucky – Current Committee Member

University Senate member, 2007-2009
Global Health Committee - Chair: 2007-2008 (Director of Global Health Certificate Program; coming soon)
Maternal and Child Health Committee member: 2007-2008
College of Public Health, Faculty Council member – 2006-2008
CPH-APT Committee member - 2006-2008
CPH Epi/Biostat PhD Development Committee: 2006-2008

Other University of Kentucky and Kentucky Service (recent)

UK-Ecuador Partnership Building: Team member of six UK colleges, Ecuador, November 2007.
Eastern Kentucky University, invited guest lecture in HEA 820 Global Health: Arsenic in Drinking Water: Multiple Health Outcomes and Global Perspective. Fall 2007.
Kentucky Dept. of Health Services: Quantitative and Qualitative Approaches to Data Analysis Workshop: Key Concepts for MCH Professionals. May, 07. Team taught (Browning & Reed).
UK-Ecuador Service Learning- Team co-leader (with T. Young): 2006-2008.
Shoulder to Shoulder Kentucky-Ecuador: Advisory Committee Member 2006-2008
Lyman T. Johnson Doctoral and Post-Doctoral Fellowship Award Committee Member- Office of the Executive Vice President for Research; Member 2005-2008.

AWARDS

IMPAC Award – Journal of Registry Management Best Paper of the Year (2004)
Graduate Minority Fellowship, University of California, Berkeley, 1987-89.
Phi Beta Kappa, University of California, Berkeley, 1986.
Golden Key National Honor Society, 1986.
Cornell University Exchange Minority Summer Research Fellowship, Summer 1985.
Regent Scholarship, University of California, Berkeley, 1984-1986.

PROFESSIONAL AFFILIATIONS

American Public Health Association. Member since 1987.
International Society for Environmental Epidemiology, Member since 1992.
Kentucky Public Health Association, Member since 1996.
Society for Epidemiologic Research. Member since 1989.

RECENT RESEARCH GRANT ACTIVITY (SINCE 2000):

Title: Lung Cancer Survival in Kentucky: A Multifactorial Approach
Funding Source: Kentucky Lung Cancer Research Program
September 1, 2007 – August 30, 2009
PI: C. Hopenhayn

Title: SEER Expansion Program
Source: National Cancer Institute
P.I.: Thomas Tucker;
CH Role on Project: Key Personnel-Epidemiologist

Marty Driesler – Liver Cancer Project: Epidemiology of Hepatitis B and C in Eastern Kentucky
Funding Source: CDC
January 1, 2005 - July 31, 2007
CH Role: Co-PI Liver Cancer Study
Title: Epidemiology Core
Source: Kentucky Lung Cancer Project Fund
CH Role: Lead Epidemiologist
Duration: 7/01/01-6/30/07

Title: Survey of Cervical Cancer Screening, Knowledge, Attitudes and Practices in Two Appalachian Kentucky Counties
Funding Source: Research Support Grant for the Office of the Vice President for Research, University of Kentucky; College of Public Health, University of Kentucky
July 1, 2005 – June 30, 2006
PI: C. Hopenhayn

Title: Population-based Information on Knowledge and Attitudes Regarding Human Papillomavirus (HPV) testing and vaccination (2006 BRFSS questions)
Funding Source: Mid South Cancer Information Service (CIS)
January 1, 2006 – December 31, 2006
PI: C. Hopenhayn

Title: Designing Strategies for Understanding and Decreasing the Burden of Cervical Cancer in Appalachian Communities
Source: American Cancer Society
PI: Claudia Hopenhayn
8/01/03-3/30/05

Title: Analysis of Arsenic Exposure and Anemia During Pregnancy
Source: Environmental Protection Agency
PI: Claudia Hopenhayn
Duration: 9/15/02-6/30/05

Title: Cervical Cancer Outreach Demonstration Project
Source: Appalachian Regional Commission/CDC
PI: Angel Rubio
CH Role: Co-Investigator
Duration: 10/01/02-9/30/05

Title: Characterizing the risk of invasive cervical cancer among Appalachian sub-populations. Source: American Cancer Society
PI: Claudia Hopenhayn
8/01/02-7/31/03

Title: Improving Surveillance of Pesticides and Other Agricultural-Related Poisonings in Kentucky and Tennessee.
Source: Centers for Agricultural Disease and Injury Prevention, Education and Research, Department of Health and Human Services (CDC/NIOSH funded).
P.I.: R. McKnight; CHR Role on project: Key Personnel-Epidemiologist

Duration: 9/30/01 – 9/29/06

Title: Kentucky Cardiovascular Health Program
Source: Kentucky Department of Public Health
P.I.: Phillip Curd; CHR Role on Project: Epidemiologist
Duration: 7/1/01 – 6/30/02

Title: University of Kentucky Prevention Research Center: Controlling Cancer in Appalachia
Source: Centers for Disease Control and Prevention
P.I.: Stephen Wyatt; CHR Role on Project: Key personnel - Epidemiologist
Duration: 10/00-9/03

Title: Chronic Arsenic Exposure from Drinking Water and Reproductive Effects
Source: Environmental Protection Agency.
P.I.: Claudia Hopenhayn-Rich
Duration: 12/98-12/02.

Title: Environmental Exposures and Cancer, Project of the Southeast Center for Agricultural Health and Injury Prevention
Source: National Institute of Occupational Health and Safety
Project P.I.: Claudia Hopenhayn-Rich; Center P.I.: Robert McKnight;
Duration: 10/99–9/01

Title: Assessing the Burden of Colorectal Cancer in Kentucky
Source: Centers for Disease Control
P.I.: Claudia Hopenhayn-Rich
Duration: 10/99-9/01