

Curriculum Vitae

M. Michele Manos, PhD, MPH, DVM

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EDUCATION

2005 D.V.M. University of California, Davis, concentration: population medicine
California Veterinary Medical Board Licensure #15929
1994 M.P.H. Johns Hopkins School of Hygiene and Public Health, (international health, epidemiology)
1984 Ph.D. Basic Health Sciences (Microbiology), SUNY-Stony Brook/Cold Spring Harbor Laboratory
1978 B.S. Cell and Developmental Biology, University of Arizona

1978 – 1981 Ph.D. coursework and qualifying exams, Biochemistry, University of Arizona Health Sciences Center
1985 – 1992 Organizational psychology, management, and epidemiology courses, UC-Berkeley and UCSF
2002 Wildlife Capture and Restraint Certification, California Department of Fish and Game

PROFESSIONAL EXPERIENCE

Public Health Consultant: Research and Strategy

1992 – Present Serving public health entities, non-profits, academia, government, and industry. Topics include diagnostic development/evaluation, postmarket antiviral studies, adaptation to health impacts of climate change.

Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD

2010 – Present Adjunct Professor - Department of Epidemiology
1993 – 1995 Visiting Scholar - Department of Molecular Microbiology and Immunology

Kaiser Permanente Division of Research, Oakland, CA

1995 – 2016 Senior Research Scientist

University of California, San Francisco, School of Medicine

1996 – 2005 Associate Adjunct Professor - Department of Epidemiology and Biostatistics

Cetus Corporation, Emeryville, CA

1990 – 1991 Associate Director, Senior Scientist - Department of Infectious Diseases
1984 – 1989 Scientist and Project Leader

SELECTED SCIENTIFIC APPOINTMENTS

2008 – 2013 California Viral Hepatitis Coordinating Committee
2005 – 2013 Kaiser Permanente Northern California Viral Hepatitis Registry, Director
1995 – 2005 National Cancer Institute, ALTS Clinical Trial, Steering Committee
1993 – 1995 Greater Baltimore HIV Health Services Planning Council
1991 – 1995 Advisory Council, National Institute of Allergy and Infectious Diseases, NIH
1991 – 1994 Public Relations Committee, American Society for Microbiology

SELECTED AWARDS

2013 Journal of Managed Care Pharmacy – Award for Excellence
1994 White House Fellowship, Regional Finalist
1993 – 1994 National Institutes of Health (NIAID), Senior Fellowship
1993 – 1994 American Association of University Women, Career Development Grant

SELECTED INVITED LECTURES AND SYMPOSIA

United States

- Arizona Pharmacy Association Annual Convention, Chandler, AZ, 2016
- Pima County Energy and Water Summit, Tucson, AZ, 2015
- Digestive Disease Week, Orlando, FL, 2013
- National Summit on HIV and Viral Hepatitis, Washington, DC, 2012
- University of Michigan, Department of Gastroenterology, Ann Arbor, MI, 2010
- Transforming our Domestic Response to Hepatitis B and C, Washington, DC, 2009
- Department of Epidemiology, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, 2009
- Amer Assoc of Veterinary Laboratory Diagnosticians, Annual Conference, Hershey, PA, 2005
- AMA Media Briefing on Cancer, The National Press Club, Washington, DC, 1999
- Planned Parenthood Federation of America, National Medical Committee, 1996, 1997, and 1998
- American Association for Cancer Research, Annual Meeting, New Orleans, LA, 1998
- Indian Health Service, California Region, Annual Clinicians' Meeting, 1997
- The Population Council, New York, NY, 1995
- The World Bank, Washington, DC, 1994

International

- Abbot Molecular Diagnostics Symposium, Nyborg, Denmark, 2000
- International Conference on HPV and Cervical Cancer, Montreal, Quebec, Canada, 1998
- International Symposium on Cervical Cancer and HPV, Santiago, Chile, 1997
- Third EUROGIN Conference: Lower Genital Tract Infections and Neoplasia, Paris, France, 1997
- Eighth International Conference on Cervical Cancer and Premalignancies, Mexico City, Mexico, 1996
- The Population Council, Mexico City, Mexico, 1995
- University of Indonesia, Faculty of Medicine, Jakarta, 1995
- Catholic University Medical School, Seoul, Korea, 1995
- Women's Health Education Network, Chiang Mai, Thailand, 1994

PUBLICATIONS

(Where I am not first author, * denotes my trainee/assistant is first author and/or I am corresponding author/PI.

** denotes shared first authorship.)

1. Ling, L.E., **Manos, M.M.**, and Gluzman, Y. (1982). Sequence of the junction in adenovirus 2-SV40 hybrids: examples of illegitimate recombination. *Nucleic Acids Res* 10, 8099-8112.
2. Kurtz, D.T., McCullough, L., Bishop, D.K., and **Manos, M.M.** (1983). DNA sequences required for hormonal induction of rat alpha 2u-globulin genes. *Cold Spring Harb Symp Quant Biol* 47 Pt 2, 985-988.
3. **Manos, M.M.**, Munroe, S.D., Przybytkowska, E., and McReynolds, L.A. (1983). Transfer of a mutant viral thymidine kinase gene results in temperature-sensitive mouse cells. *Mol Cell Biol* 3, 490-494.
4. **Manos, M.M.**, and Gluzman, Y. (1984). Simian virus 40 large T-antigen point mutants that are defective in viral DNA replication but competent in oncogenic transformation. *Mol Cell Biol* 4, 1125-1133.
5. **Manos, M.M.**, and Gluzman, Y. (1985). Genetic and biochemical analysis of transformation-competent, replication-defective simian virus 40 large T antigen mutants. *J Virol* 53, 120-127.
6. Horn, G.T., Bugawan, T.L., Long, C.M., **Manos, M.M.**, and Erlich, H.A. (1988). Sequence analysis of HLA class II genes from insulin-dependent diabetic individuals. *Hum Immunol* 21, 249-263.
7. **Manos, M.M.** (1988). Expression and processing of a recombinant human macrophage colony-stimulating factor in mouse cells. *Mol Cell Biol* 8, 5035-5039.
8. Weaver, J.F., McCormick, F., and **Manos, M.M.** (1988). Production of recombinant human CSF-1 in an inducible mammalian expression system. *Bio/Technology* 6, 287-290.

9. Irmiere, A.F., **Manos, M.M.**, Jacobson, J.G., Gibbs, J.S., and Coen, D.M. (1989). Effect of an amber mutation in the herpes simplex virus thymidine kinase gene on polypeptide synthesis and stability. *Virology* 168, 210-220.
10. **Manos, M.M.**, Ting, Y., Wright, D.K., Lewis, A.J., Broker, T.R., and Wolinsky, S.M. (1989). Use of polymerase chain reaction amplification for the detection of genital human papillomaviruses. *Molecular Diagnostics of Human Cancer, Cancer Cells* 7, 209-214.
11. Brandsma, J.L., Lewis, A.J., Abramson, A., and **Manos, M.M.*** (1990). Detection and typing of papillomavirus DNA in formaldehyde-fixed paraffin-embedded tissue. *Arch Otolaryngol Head Neck Surg* 116, 844-848.
12. Manos, M., Lee, K., Greer, C., Waldman, J., Kiviat, N., Holmes, K., and Wheeler, C. (1990). Looking for human papillomavirus type 16 by PCR. *Lancet* 335, 734.
13. Resnick, R.M., Cornelissen, M.T., Wright, D.K., Eichinger, G.H., Fox, H.S., ter Schegget, J., and **Manos, M.M.***. (1990). Detection and typing of human papillomavirus in archival cervical cancer specimens by DNA amplification with consensus primers. *J Natl Cancer Inst* 82, 1477-1484.
14. Smith, K.T., Long, C.M., Bowman, B., and **Manos, M.M.*** (1990). Using cosolvents to enhance PCR amplification. *Amplifications* 5, 16-17.
15. Bauer, H.M., Ting, Y., Greer, C.E., Chambers, J.C., Tashiro, C.J., Chimera, J., Reingold, A., and **Manos, M.M.***. (1991). Genital human papillomavirus infection in female university students as determined by a PCR-based method. *JAMA* 265, 472-477.
16. Greer, C.E., Lund, J.K., and **Manos, M.M.*** (1991). PCR amplification from paraffin-embedded tissues: recommendations on fixatives for long-term storage and prospective studies. *PCR Methods Appl* 1, 46-50.
17. Greer, C.E., Peterson, S.L., Kiviat, N.B., and **Manos, M.M.***. (1991). PCR amplification from paraffin-embedded tissues. Effects of fixative and fixation time. *Am J Clin Pathol* 95, 117-124.
18. Ley, C., Bauer, H.M., Reingold, A., Schiffman, M.H., Chambers, J.C., Tashiro, C.J., and **Manos, M.M.***. (1991). Determinants of genital human papillomavirus infection in young women. *J Natl Cancer Inst* 83, 997-1003.
19. Schiffman, M.H., Bauer, H.M., Lorincz, A.T., **Manos, M.M.**, Byrne, J.C., Glass, A.G., Cadell, D.M., and Howley, P.M. (1991). Comparison of Southern blot hybridization and polymerase chain reaction methods for the detection of human papillomavirus DNA. *J Clin Microbiol* 29, 573-577.
20. Shroyer, K.R., Kim, J.G., **Manos, M.M.**, Greer, C.E., Pearlman, N.W., and Franklin, W.A. (1992). Papillomavirus found in anorectal squamous carcinoma, not in colon adenocarcinoma. *Arch Surg* 127, 741-744.
21. Bauer, H.M., Hildesheim, A., Schiffman, M.H., Glass, A.G., Rush, B.B., Scott, D.R., Cadell, D.M., Kurman, R.J., and **Manos, M.M.*** (1993). Determinants of genital human papillomavirus infection in low-risk women in Portland, Oregon. *Sex Transm Dis* 20, 274-278.
22. Gravitt, P.E., and **Manos, M.M.*** (1993). Nucleic acid hybridization methods to detect microorganisms. *Lab Anim Sci* 43, 5-10.
23. Hildesheim, A., Gravitt, P., Schiffman, M., Kurman, R., Barnes, W., Jones, S., Tchabo, J., Brinton, L., Copeland, C., Epp, J., and **Manos, M.M.*** (1993). Determinants of genital HPV infection in low income women in Washington, DC. *Sex Transm Dis* 20, 279-285.
24. Kuypers, J.M., Critchlow, C.W., Gravitt, P.E., Vernon, D.A., Sayer, J.B., **Manos, M.M.**, and Kiviat, N.B. (1993). Comparison of dot filter hybridization, Southern transfer hybridization, and polymerase chain reaction amplification for diagnosis of anal human papillomavirus infection. *J Clin Microbiol* 31, 1003-1006.

25. McGrae, J.D., Jr., Greer, C.E., and **Manos, M.M.** (1993). Multiple Bowen's disease of the fingers associated with human papilloma virus type 16. *Int J Dermatol* 32, 104-107.
26. Schiffman, M.H., Bauer, H.M., Hoover, R.N., Glass, A.G., Cadell, D.M., Rush, B.B., Scott, D.R., Sherman, M.E., Kurman, R.J., Wacholder, S., Stanton, C, and **Manos, M.M.** (1993). Epidemiologic evidence showing that human papillomavirus infection causes most cervical intraepithelial neoplasia. *J Natl Cancer Inst* 85, 958-964.
27. Wheeler, C.M., Parmenter, C.A., Hunt, W.C., Becker, T.M., Greer, C.E., Hildesheim, A., and **Manos, M.M.*** (1993). Determinants of genital human papillomavirus infection among cytologically normal women attending the University of New Mexico student health center. *Sex Transm Dis* 20, 286-289.
28. Apple, R.J., Erlich, H.A., Klitz, W., **Manos, M.M.**, Becker, T.M., and Wheeler, C.M. (1994). HLA DR-DQ associations with cervical carcinoma show papillomavirus-type specificity. *Nat Genet* 6, 157-162.
29. Bernard, H.U., Chan, S.Y., **Manos, M.M.***, Ong, C.K., Villa, L.L., Delius, H., Peyton, C.L., Bauer, H.M., and Wheeler, C.M. (1994). Identification and assessment of known and novel human papillomaviruses by polymerase chain reaction amplification, restriction fragment length polymorphisms, nucleotide sequence, and phylogenetic algorithms. *J Infect Dis* 170, 1077-1085.
30. Greer, C.E., Wheeler, C.M., and **Manos, M.M.*** (1994). Sample preparation and PCR amplification from paraffin-embedded tissues. *PCR Methods Appl* 3, S113-122.
31. **Manos, M.M.**, Waldman, J., Zhang, T.Y., Greer, C.E., Eichinger, G., Schiffman, M.H., and Wheeler, C.M. (1994). Epidemiology and partial nucleotide sequence of four novel genital human papillomaviruses. *J Infect Dis* 170, 1096-1099.
32. Peyton, C.L., Jansen, A.M., Wheeler, C.M., Peto, J., Bosch, X.F., Munoz, N., Teyssie, A.R., Torroella, M., Wabinga, H.R., Sarjadi, Ngelangel, C., and **Manos, M.M.** (1994). A novel human papillomavirus sequence from an international cervical cancer study. *J Infect Dis* 170,1093-1095.
33. Sherman, M.E., Schiffman, M.H., Lorincz, A.T., **Manos, M.M.**, Scott, D.R., Kuman, R.J., Kiviat, N.B., Stoler, M., Glass, A.G., and Rush, B.B. (1994). Toward objective quality assurance in cervical cytopathology. Correlation of cytopathologic diagnoses with detection of high-risk human papillomavirus types. *Am J Clin Pathol* 102, 182-187.
34. Strickler, H.D., Dillner, J., Schiffman, M.H., Eklund, C., Glass, A.G., Greer, C., Scott, D.R., Sherman, M.E., Kurman, R.J., and **Manos, M.M.** (1994). A seroepidemiologic study of HPV infection and incident cervical squamous intraepithelial lesions. *Viral Immunol* 7, 169-177.
35. Bosch, F.X., **Manos, M.M.****, Munoz, N., Sherman, M., Jansen, A.M., Peto, J., Schiffman, M.H., Moreno, V., Kurman, R., and Shah, K.V. (1995). Prevalence of human papillomavirus in cervical cancer: a worldwide perspective. International biological study on cervical cancer (IBSCC) Study Group. *J Natl Cancer Inst* 87, 796-802.
36. Liaw, K.L., Hsing, A.W., Chen, C.J., Schiffman, M.H., Zhang, T.Y., Hsieh, C.Y., Greer, C.E., You, S.L., Huang, T.W., Wu, T.C., O'Leary, T.J., Seidman, J., Blot, W.J., Meinert, C.L., and **Manos, M.M.*** (1995). Human papillomavirus and cervical neoplasia: a case-control study in Taiwan. *Int J Cancer* 62, 565-571.
37. Schiffman, M.H., Kiviat, N.B., Burk, R.D., Shah, K.V., Daniel, R.W., Lewis, R., Kuypers, J., **Manos, M.M.**, Scott, D.R., Sherman, M.E., and et al. (1995). Accuracy and interlaboratory reliability of human papillomavirus DNA testing by hybrid capture. *J Clin Microbiol* 33, 545-550.
38. Wideroff, L., Schiffman, M.H., Nonnenmacher, B., Hubbert, N., Kirnbauer, R., Greer, C.E., Lowy, D., Lorincz, A.T., **Manos, M.M.**, Glass, A.G., and et al. (1995). Evaluation of seroreactivity to human papillomavirus type 16 virus-like particles in an incident case-control study of cervical neoplasia. *J Infect Dis* 172, 1425-1430.
39. Hsing, A.W., Burk, R.D., Liaw, K.L., Chen, C.J., Zhang, T., Schiffman, M., Greer, C.E., You, S.L., Hsieh, C.Y., Huang, T.W., Wu, T.C., O'Leary, T.J., Seidman, J.D., and **Manos, M.M.** (1996). Interlaboratory agreement in a polymerase chain reaction-based human papillomavirus DNA assay. *Cancer Epidemiol Biomarkers Prev* 5, 483-484.

40. Stewart, A.C., Eriksson, A.M., **Manos, M.M.**, Munoz, N., Bosch, F.X., Peto, J., and Wheeler, C.M. (1996). Intratype variation in 12 human papillomavirus types: a worldwide perspective. *J Virol* 70, 3127-3136.
41. Wheeler, C.M., Greer, C.E., Becker, T.M., Hunt, W.C., Anderson, S.M., and **Manos, M.M.** (1996). Short-term fluctuations in the detection of cervical human papillomavirus DNA. *Obstet Gynecol* 88, 261-268.
42. Wideroff, L., Schiffman, M., Hubbert, N., Kirnbauer, R., Schiller, J., Greer, C., **Manos, M.M.**, Dawsey, S.M., Li, J.Y., and Brinton, L. (1996). Serum antibodies to HPV 16 virus-like particles are not associated with penile cancer in Chinese males. *Viral Immunol* 9, 23-25.
43. Wideroff, L., Schiffman, M.H., Hoover, R., Tarone, R.E., Nonnenmacher, B., Hubbert, N., Kirnbauer, R., Greer, C.E., Lorincz, A.T., **Manos, M.M.**, Glass, A.G., Scott, D.R., Sherman, M.E., Buckland, J., Lowy, D., and Schiller, J. (1996). Epidemiologic determinants of seroreactivity to human papillomavirus (HPV) type 16 virus-like particles in cervical HPV-16 DNA-positive and-negative women. *J Infect Dis* 174, 937-943.
44. Cope, J.U., Hildesheim, A., Schiffman, M.H., **Manos, M.M.**, Lorincz, A.T., Burk, R.D., Glass, A.G., Greer, C., Buckland, J., Helgesen, K., Scott, D.R., Sherman, M.E., Kurman, R.J., and Liaw, K.L. (1997). Comparison of the hybrid capture tube test and PCR for detection of human papillomavirus DNA in cervical specimens. *J Clin Microbiol* 35, 2262-2265.
45. Strickler, H.D., Schiffman, M.H., Eklund, C., Glass, A.G., Scott, D.R., Sherman, M.E., Wacholder, S., Kurman, R.J., **Manos, M.M.**, Schiller, J.T., and Dillner, J. (1997). Evidence for at least two distinct groups of humoral immune reactions to papillomavirus antigens in women with squamous intraepithelial lesions. *Cancer Epidemiol Biomarkers Prev* 6, 183-188.
46. Yamada, T., **Manos, M.M.**, Peto, J., Greer, C.E., Munoz, N., Bosch, F.X., and Wheeler, C.M. (1997). Human papillomavirus type 16 sequence variation in cervical cancers: a worldwide perspective. *J Virol* 71, 2463-2472.
47. Hildesheim, A., Schiffman, M., Scott, D.R., Marti, D., Kissner, T., Sherman, M.E., Glass, A.G., **Manos, M.M.**, Lorincz, A.T., Kurman, R.J., Buckland, J., Rush, B.B., and Carrington, M. (1998). Human leukocyte antigen class I/II alleles and development of human papillomavirus-related cervical neoplasia: results from a case-control study conducted in the United States. *Cancer Epidemiol Biomarkers Prev* 7, 1035-1041.
48. Kinney, W.K., **Manos, M.M.**,* Hurley, L.B., and Ransley, J.E. (1998). Where's the high-grade cervical neoplasia? The importance of minimally abnormal Papanicolaou diagnoses. *Obstet Gynecol* 91, 973-976.
49. Rasekh, Z., Bauer, H.M., **Manos, M.M.**, and Iacopino, V. (1998). Women's health and human rights in Afghanistan. *JAMA* 280, 449-455.
50. Wideroff, L., Potischman, N., Glass, A.G., Greer, C.E., **Manos, M.M.**, Scott, D.R., Burk, R.D., Sherman, M.E., Wacholder, S., and Schiffman, M. (1998). A nested case-control study of dietary factors and the risk of incident cytological abnormalities of the cervix. *Nutr Cancer* 30, 130-136.
51. Liaw, K.L., Glass, A.G., **Manos, M.M.**, Greer, C.E., Scott, D.R., Sherman, M., Burk, R.D., Kurman, R.J., Wacholder, S., Rush, B.B., Cadell, D.M., Lawler, P., Tabor, D., and Schiffman, M. (1999). Detection of human papillomavirus DNA in cytologically normal women and subsequent cervical squamous intraepithelial lesions. *J Natl Cancer Inst* 91, 954-960.
52. **Manos, M.M.**, Kinney, W.K., Hurley, L.B., Sherman, M.E., Shieh-Ngai, J., Kurman, R.J., Ransley, J.E., Fetterman, B.J., Hartinger, J.S., McIntosh, K.M., Pawlick, G.F., and Hiatt, R.A. (1999). Identifying women with cervical neoplasia: using human papillomavirus DNA testing for equivocal Papanicolaou results. *JAMA* 281, 1605-1610.
53. Ronnett, B.M., **Manos, M.M.**,* Ransley, J.E., Fetterman, B.J., Kinney, W.K., Hurley, L.B., Ngai, J.S., Kurman, R.J., and Sherman, M.E. (1999). Atypical glandular cells of undetermined significance (AGUS): cytopathologic features, histopathologic results, and human papillomavirus DNA detection. *Hum Pathol* 30, 816-825.
54. Sherman, M.E., Tabbara, S.O., Scott, D.R., Kurman, R.J., Glass, A.G., **Manos, M.M.**, Burk, R.D., Rush, B.B., and Schiffman, M. (1999). "ASCUS, rule out HSIL": cytologic features, histologic correlates, and human papillomavirus detection. *Mod Pathol* 12, 335-342.

55. Walboomers, J.M., Jacobs, M.V., **Manos, M.M.**, Bosch, F.X., Kummer, J.A., Shah, K.V., Snijders, P.J., Peto, J., Meijer, C.J., and Munoz, N. (1999). Human papillomavirus is a necessary cause of invasive cervical cancer worldwide. *J Pathol* 189, 12-19.
56. Wideroff, L., Schiffman, M., Haderer, P., Armstrong, A., Greer, C.E., **Manos, M.M.**, Burk, R.D., Scott, D.R., Sherman, M.E., Schiller, J.T., Hoover, R.N., Tarone, R.E., and Kirnbauer, R. (1999). Seroreactivity to human papillomavirus types 16, 18, 31, and 45 virus-like particles in a case-control study of cervical squamous intraepithelial lesions. *J Infect Dis* 180, 1424-1428.
57. The Atypical Squamous Cells of Undetermined Significance/Low-Grade Squamous Intraepithelial Lesions Triage Study (ALTS) Group. (2000). Human papillomavirus testing for triage of women with cytologic evidence of low-grade squamous intraepithelial lesions: baseline data from a randomized trial.. *J Natl Cancer Inst* 92, 397-402.
58. Schiffman, M., and Adriansa, M.E. for The ALTS Group. (2000). ASCUS-LSIL Triage Study. Design, methods and characteristics of trial participants. *Acta Cytol* 44, 726-742.
59. Liaw, K.L., Hildesheim, A., Burk, R.D., Gravitt, P., Wacholder, S., **Manos, M.M.**, Scott, D.R., Sherman, M.E., Kurman, R.J., Glass, A.G., Anderson, S.M., and Schiffman, M. (2001). A prospective study of human papillomavirus (HPV) type 16 DNA detection by polymerase chain reaction and its association with acquisition and persistence of other HPV types. *J Infect Dis* 183, 8-15.
60. **Manos, M.M.**, Leyden, W.A., Resendez, C.I., Klein, E.G., Wilson, T.L., and Bauer, H.M. (2001). A community-based collaboration to assess and improve medical insurance status and access to health care of Latino children. *Public Health Rep* 116, 575-584.
61. Solomon, D., Schiffman, M., Tarone, R., and The ALTS Group. (2001). Comparison of three management strategies for patients with atypical squamous cells of undetermined significance: baseline results from a randomized trial. *J Natl Cancer Inst* 93, 293-299.
62. Castle, P.E., Shields, T., Kirnbauer, R., **Manos, M.M.**, Burk, R.D., Glass, A.G., Scott, D.R., Sherman, M.E., and Schiffman, M. (2002). Sexual behavior, human papillomavirus type 16 (HPV 16) infection, and HPV 16 seropositivity. *Sex Transm Dis* 29, 182-187.
63. Lee, K.R., Darragh, T.M., Joste, N.E., Krane, J.F., Sherman, M.E., Hurley, L.B., Allred, E.M., and **Manos, M.M.*** (2002). Atypical glandular cells of undetermined significance (AGUS): Interobserver reproducibility in cervical smears and corresponding thin-layer preparations. *Am J Clin Pathol* 117, 96-102.
64. Scott, D.R., Hagmar, B., Maddox, P., Hjerpe, A., Dillner, J., Cuzick, J., Sherman, M.E., Stoler, M.H., Kurman, R.J., Kiviat, N.B., **Manos, M.M.**, and Schiffman, M. (2002). Use of human papillomavirus DNA testing to compare equivocal cervical cytologic interpretations in the United States, Scandinavia, and the United Kingdom. *Cancer* 96, 14-20.
65. Wilson, S.R., Brown, N.L., Leyden, W.A., **Manos, M.M.**, Chin, V., Levin, D., Braverman, P., Shapiro, S., and Lavori, P.W. (2002). Healthcare utilization by women in a comprehensive managed care population subsequent to diagnosis of a sexually transmitted disease. *Sex Transm Dis* 29, 678-688.
66. Castle, P.E., Lorincz, A.T., Scott, D.R., Sherman, M.E., Glass, A.G., Rush, B.B., Wacholder, S., Burk, R.D., **Manos, M.M.**, Schussler, J.E., Macomber, P., and Schiffman, M. (2003). Comparison between prototype hybrid capture 3 and hybrid capture 2 human papillomavirus DNA assays for detection of high-grade cervical intraepithelial neoplasia and cancer. *J Clin Microbiol* 41, 4022-4030.
67. Zapka, J.G., Taplin, S.H., Solberg, L.I., and **Manos, M.M.** (2003). A framework for improving the quality of cancer care: the case of breast and cervical cancer screening. *Cancer Epidemiol Biomarkers Prev* 12, 4-13.
68. Taplin, S.H., Ichikawa, L., Yood, M.U., **Manos, M.M.**, Geiger, A.M., Weinmann, S., Gilbert, J., Mouchawar, J., Leyden, W.A., Altaras, R., Beverly, R.K., Casso, D., Westbrook, E.O., Bischoff, K., Zapka, J.G., and Barlow, W.E. (2004). Reason for

- late-stage breast cancer: absence of screening or detection, or breakdown in follow-up? *J Natl Cancer Inst* 96, 1518-1527.
69. Zapka, J.G., Puleo, E., Taplin, S.H., Goins, K.V., Ulcickas Yood, M., Mouchawar, J., Somkin, C., and **Manos, M.M.** (2004). Processes of care in cervical and breast cancer screening and follow-up--the importance of communication. *Prev Med* 39, 81-90.
70. Leyden, W.A., **Manos, M.M.**,* Geiger, A.M., Weinmann, S., Mouchawar, J., Bischoff, K., Yood, M.U., Gilbert, J., and Taplin, S.H. (2005). Cervical cancer in women with comprehensive health care access: attributable factors in the screening process. *J Natl Cancer Inst* 97, 675-683.
71. Mouchawar, J., Taplin, S., Ichikawa, L., Barlow, W.E., Geiger, A.M., Weinmann, S., Gilbert, J., **Manos, M.M.**, and Ulcickas Yood, M. (2005). Late-stage breast cancer among women with recent negative screening mammography: do clinical encounters offer opportunity for earlier detection? *J Natl Cancer Inst Monogr*, 39-46.
72. Puleo, E., Zapka, J.G., Goins, K.V., Yood, M.U., Mouchawar, J., Manos, M., Somkin, C., and Taplin, S. (2005). Recommendations for care related to follow-up of abnormal cancer screening tests: accuracy of patient report. *Eval Health Prof* 28, 310-327.
73. Weinmann, S., Taplin, S.H., Gilbert, J., Beverly, R.K., Geiger, A.M., Yood, M.U., Mouchawar, J., **Manos, M.M.**, Zapka, J.G., Westbrook, E., and Barlow, W.E. (2005). Characteristics of women refusing follow-up for tests or symptoms suggestive of breast cancer. *J Natl Cancer Inst Monogr*, 33-38.
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97. **Manos, M.M.**, Resnick, A.H., Barrett, E.C., Garcia, F., and Aguirre, G. Circumstances underlying emergency presentation for heat-related illness: a southwestern perspective. Submitted.

Letters

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Editorials, Reviews, Chapters, Reports, and Guidelines

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Bauer, HM, C Emerson, **MM Manos***, and T Wilson, 1999. The Canal Community Alliance Women's Health Survey: report and recommendations. Canal Community Alliance, San Rafael, CA.

Manos MM. 2001. HPV testing for clarifying borderline cervical smear results: recent conflicting results highlight the dilemmas of progress. *BMJ* **322**:878-879.

Health and Safety Information for Marine Mammal Workers. 2004. UC Davis Wildlife Health Center, US Marine Mammal Commission, National Marine Fisheries Service. Website and brochure at www.vetmed.ucdavis.edu/whc/mmz.

Pet Safety Guide for Parents and Children. 2006. Kaiser Permanente Medical Care Program, Northern California.

Annual Reports: Kaiser Permanente Viral Hepatitis Registry. 2007-2013. The Permanente Medical Group.

The Heat is On: Recognizing and Preventing Heat-Related Illness Among the Most Vulnerable. 2016. A narrated seasonal training for first responders in Pima County, AZ. (Commissioned by the Tucson Fire Department.)

Hot Weather and Psychiatric Medications: Be Aware. Take Care. 2016. Pima County Health Department and Office of Behavioral Health.

SELECTED PATENT (of 9 issued)

Manos et al. 1994. Compositions for and detection of HPV by specific oligonucleotide polymerase primers using the polymerase chain reaction. U.S Patent Number 5,283,171.

RECENT RESEARCH SUPPORT

“Climate Change and Health Learning Cooperative” 2016-2017; Public Health Institute/Kresge Foundation
“Rates of Congenital Toxoplasmosis in a Managed Care Setting” 2012-2013; CDC
“HCV Treatment in the DAA Era: Practice and Outcomes in Managed Care” 2011-2013; Vertex Pharmaceuticals, Inc.
“Characteristics of Chronic Hepatitis B Patients in a Managed Care Setting.” 2011; Gilead Sciences, Inc.
“Bay Area Hepatitis C Cooperative Research Center - Clinical Epidemiology Core.” 2010-2015; NIAID.
“Quality and Efficiency of Hepatocellular Carcinoma Reporting to Cancer Registries.” 2009-2010; NCI (through NCCC)
“Feasibility and Potential Impact of Birth-Cohort-Based Hepatitis C Screening.” 2009-2010; CDC.
“Health Care Utilization and Costs of Antiviral Treatment for Hepatitis C.” 2009-10; Vertex Pharmaceuticals, Inc.
“A Cross-sectional Study of Hepatitis C Patients in a Managed Care Setting.” 2009-2012; Merck, Inc.

RECENT PEER REVIEW ACTIVITIES

Hepatology (Editorial Board)	Journal of the National Cancer Institute
Progress in Community Health Partnerships	Journal of Infectious Diseases
JAMA Internal Medicine	Journal of Health Psychology

SELECTED UNIVERSITY TEACHING

1996 - 2014 **University of California, San Francisco, School of Medicine**
Introduction to Epidemiology and Biostatistics (for medical students)
Training in Clinical Research (TICR), lecturer and section leader
Individual research project mentoring: medical students, residents, and fellows

1993 – 1995 **John Hopkins University, School of Hygiene and Public Health**
Biological Basis of Public Health and Virology, guest lecturer
Giving Effective Scientific Presentations, course leader

TRAINEES (since 1998)

2016	Tanzida Zaman, MPH Student, University of Arizona
2015	Erika Barrett - MPH Student, University of Arizona
2013 – 2014	Jennifer Price, MD – Assistant Professor, UCSF School of Medicine
2013	Varun Saxena, MD – Gastroenterology Fellow, UCSF School of Medicine
2011 – 2012	Monika Sarkar, MD – Hepatology Fellow, UCSF School of Medicine
2011 – 2012	Chanda Ho, MD – Hepatology Fellow, UCSF School of Medicine
2009 – 2011	Jennifer Lai, MD, MBA – Hepatology Fellow, UCSF School of Medicine
2003 – 2005	Lee Zane, MD – Dermatology Resident, UCSF School of Medicine
1999 – 2000	Cynthia Resendez - Medical Student Researcher, UCSF School of Medicine
2000 – 2002	Elizabeth Klein - MPH Student, UC Berkeley
1999 – 2000	Quy Ton - MPH Student, UC Berkeley
1998 – 1999	Cicily Emerson - MPH Student, UC Berkeley

SELECTED COMMUNITY SERVICE

2012 - Present Canal Alliance, San Rafael, CA - Board of Directors; Chair, Governance Committee
Canal Alliance helps low-income, Spanish-speaking immigrants acquire the tools they need to thrive.