

CURRICULUM VITAE

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PERSONAL DATA:

Larson, Elaine Lucille (Mrs. Steven)

Address, Home: 1989 Madison Ave. Apt 1
New York, NY 10035

Work: Columbia University
School of Nursing
630 W. 168th St.
New York, NY 10032

Telephone Work: 212-305-0723
Cell: 917-650-1511
Fax: 212-305-0722
e-mail ell23@columbia.edu

ACADEMIC TRAINING:

B.S. University of Washington, Seattle, 6/65: Nursing
M.A. University of Washington, Seattle, 8/69: Nursing, Microbiology
Ph.D. University of Washington, Seattle, School of Public Health and Community Medicine,
3/81: Epidemiology
Postdoctoral Fellowship (Robert Wood Johnson Clinical Nurse Scholar), University of
Pennsylvania, Philadelphia, 9/83-9/85

CURRENT LICENSES AND CERTIFICATIONS:

RN license, New York, #500342
Certified in Infection Control (CIC), 1989-present

PROFESSIONAL ORGANIZATIONS/SOCIETIES/HONORS:

Honorary:

1964: Phi Beta Kappa
1964: Sigma Theta Tau (nursing honorary)
1983: American Academy of Nursing, Fellow
1986: Institute of Medicine, National Academy of Sciences, Fellow
1986: Who's Who in American Nursing
1987: Who's Who in America
1988: Sigma Xi, The Scientific Research Society
1995: Academy of Medicine of Washington D.C.
1998: Infectious Diseases Society of America, Fellow
1998: National Academies of Practice, Distinguished Practitioner
1999: New York Academy of Medicine, Fellow
2002: Lifetime National Associate of the National Academy of Sciences
2004: Society for Healthcare Epidemiology of America, Fellow
2006: Society of Scholars, Johns Hopkins University

Professional Memberships (current only):

American Nurses' Association
Association for Prevention Teaching and Research
Association for Professionals in Infection Control and Epidemiology
Eastern Nursing Research Society
Infectious Diseases Society of America (fellow)
National Academies of Practice (distinguished practitioner)
Society of Healthcare Epidemiologists of America (fellow)

Selected Honors/Awards:

1965 Graduated Magna Cum Laude, received Nursing Education Award for Outstanding Undergraduate Student of the Year.
1969 Graduated Summa Cum Laude, received Outstanding Graduate Student Award for Nursing.
1983 Robert Wood Johnson Clinical Nurse Scholar, University of Pennsylvania, Philadelphia, PA.
1985 M. Adelaide Nutting Chair in Clinical Nursing, Johns Hopkins University, Baltimore, MD.
1992 AHC Scholar in Academic Administration and Health Policy, Association of Academic Health Centers and PEW Foundation, Washington, DC.
1993 Lowbury Distinguished Lecturer, Hospital Infection Society, London.
1996 Carole DeMille Award, Association for Professionals in Infection Control and Epidemiology, Atlanta, GA.
1998 Elaine L. Larson Fund for Scholarly Enrichment (endowed scholarship named in

- 2001 honor of E. Larson), Georgetown University School of Nursing and Health Studies. Elaine Larson Lectureship (endowed, named annual lectureship), Association for Professionals in Infection Control and Epidemiology.
- 2003 Pathfinder Distinguished Nurse Researcher Award, Friends of National Institute of Nursing Research, Washington DC.
- 2004: O'Neil Distinguished Faculty Award, Columbia University School of Nursing.
- 2004 Distinguished Researcher Award, University of Washington School of Nursing.
- 2008: American Association of Critical Care Nursing (AACN) Pioneering Spirit Award
- 2008: Distinguished Contribution to Nursing Research Award, Eastern Nursing Research Society, Philadelphia, PA.
- 2009: Lectureship, Society of Healthcare Epidemiology of America
- 2009: O'Neil Distinguished Faculty Award, Columbia University School of Nursing
- 2011: International Nurse Researcher Hall of Fame, Sigma Theta Tau International Society, Cancun, MX
- 2012: Edward M. Kass Lectureship, IDWeek (joint meeting of Infectious Diseases Society of America, Society of Healthcare Epidemiologists of America, Pediatric Infectious Diseases Society, and HIV Medicine Association), San Diego, CA.
- 2012: National Institute of Nursing Research Director's Lectureship Award, NIH, Bethesda, MD.
- 2013: Distinguished Scientist Award, Association for Professionals in Infection Control and Epidemiology, Ft Lauderdale, FL.
- 2013: Sustained Leader to Promote Health through Nursing Science, 25th Anniversary of Eastern Nursing Research Society, Boston, MA.
- 2014: John Stearns Medal (for lifetime achievement in clinical practice), New York Academy of Medicine.
- 2015: Hygieia Medal (for 'extraordinary people who have dedicated their life's work to hygiene and microbiology'), Rudolf Schülke Foundation, Hamburg, Germany.
- 2016: Fellow, The Association for Professionals in Infection Control and Epidemiology (FAPIC).
- 2017: Designated as a Living Legend, American Academy of Nursing.
- 2018: Walsh McDermott Medal for distinguished service, National Academy of Medicine.
- 2019: Honorary Distinguished Alumna Award, Columbia University School of Nursing.

PROFESSIONAL EXPERIENCE/ACADEMIC APPOINTMENTS

Staff nurse, medical-surgical and intensive care units, University of Washington Hospital, Seattle, WA, 6/65-6/66.

Clinical specialist, cardiovascular nursing, University of Washington Hospital, Seattle, WA, 6/66-7/67.

Instructor, cardiopulmonary resuscitation, Regional Medical Program and Washington State Red Cross, 1967-70.

Instructor, Coronary Care Project, University of Washington School of Nursing, Seattle, WA, 9/67-7/68.

Hospital epidemiologist, University of Washington Hospital, Seattle, WA, 1/67-7/70. Assistant

program director, Videotapes in Nursing Project, University of Washington School of Nursing, Seattle, WA, 9/79-7/70.

Nurse practitioner, coronary care, Kaiser-Permanente Sunnyside Medical Center, Portland, OR, 9/75-5/76.

Nurse coordinator, staff development, University of Washington Hospital, Seattle, WA, 12/76-12/77.

Nursing research coordinator, University of Washington Hospital, Seattle, WA, 12/77-10/81.

Clinical assistant professor, Department of Physiological Nursing, University of Washington School of Nursing, Seattle, WA, 7/78-1/82.

Associate director of nursing, University of Washington Hospital, Seattle, WA., 10/81-6/83.

Clinical associate professor, graduate faculty, Department of Physiological Nursing, University of Washington School of Nursing, Seattle, WA, 1/82-6/83.

Clinical assistant professor, Department of Epidemiology, School of Public Health and Community Medicine, University of Washington, Seattle, WA, 12/81-6/83.

Robert Wood Johnson Clinical Nurse Scholar. University of Pennsylvania School of Nursing, Philadelphia, PA, 9/83-9/85.

M. Adelaide Nutting Chair in Clinical Nursing. The Johns Hopkins University School of Nursing, Baltimore, MD, 9/85-9/92.

Professor (tenured), Johns Hopkins University, 1990-9/92.

Director, Center for Nursing Research. The Johns Hopkins University School of Nursing, 9/90-9/92.

Professor (tenured), Joint Appointment, Johns Hopkins University School of Hygiene and Public Health, Dept. of Epidemiology, 1/92-9/92.

Dean and Professor (tenured), School of Nursing, Georgetown University, Washington, DC, 9/92-8/98.

Professor (tenured) of Pharmaceutical and Therapeutic Research, Columbia University School of Nursing, 9/98-2012.

Affiliate Professor, University of Washington School of Nursing, 10/06-1/15

Acting Dean, Columbia University School of Nursing, 7/1-8/31/10.

Director, Office of Global Initiatives and World Health Organization Collaborating Center for Advanced Practice Nursing, 2012-13.

Professor (tenured), joint appointment, Joseph Mailman School of Public Health, Department of Epidemiology, Columbia University, 2000-2019.

Associate Dean for Research, Columbia University School of Nursing, 8/02-2019.

Anna C. Maxwell Professor of Nursing Research, Columbia University School of Nursing, 2012-2019.

Anna C. Maxwell Professor of Nursing Research Emerita and Special Lecturer, Columbia University School of Nursing, 1/20-present.

Professor Emerita, Department of Epidemiology, Mailman School of Public Health, Columbia University, 1/20-present

Senior Scholar in Residence, New York Academy of Medicine, 1/20-present.

Expert and Consultant: Human Research Protection Office Performance, Human Research Protection Program, Columbia University, 1/20-present.

FELLOWSHIPS AND GRANT SUPPORT:

(Principal Investigator or Multiple PI only)

1978 Biomedical Research Support Grant, \$3,000.

1980 American Nurses' Foundation 'Ethicon Scholar' Award, \$2,000.

1980 Sigma Theta Tau research grant, \$2,500.

1982 Grant from Centers for Disease Control to organize and conduct course, "Management Skills for Infection Control Nurses", \$33,000.

1983 Robert Wood Johnson Foundation Clinical Nurse Fellowship.

1985 "Antimicrobial Efficacy of Five Handwashing Products Under Five Days of Frequent-Use Conditions", \$11,000, Calgon Corporation, St. Louis.

1985 "Effects of Two Variables on Bacterial Yield From Hands: Amount of Agent and Stripping Time", \$10,000, Calgon Corporation, St. Louis.

1986 Funding for 5-year training grant, Nursing Postdoctoral Program in Infection Prevention, \$700,000 Johnson and Johnson, Medical Inc. Arlington, Texas.

1986 Non invasive fetal monitoring (coinvestigator) \$75,000, National Center for Nursing Research, NIH.

1987 "Comparison of Four Handwashing Products Containing Chlorhexidine", \$11,299, AMSCO, Erie, Pa.

1987 "Influence of Handwashing Frequency on Reduction in Colonizing Flora", \$12,000, Huntington Laboratories, Huntington, IN.

1987 Predictors of postterm pregnancy complications (coinvestigator), \$65,000, National Center for Nursing Research, NIH.

1988 "Effect of Surgical Scrub on Colonizing Flora" \$19,000, Johnson & Johnson Medical Inc.

1988 Teaching Nursing Home Project, Co-director, Core Project, NIH.

1989,90,91,92 Biomedical Research Support Grant, Project Director, National Institutes of Health, Division of Research Resources.

1989 "Effect of Blood on Antimicrobial Activity of Skin Antiseptics", \$11,000, Johnson & Johnson Medical Inc.

1989 "Effect of Automated Device on Handwashing Practices.", \$9,850, Bauer Industries,

- Orlando, Fl.
- 1990,91,92 Minority High School Student Research Apprentice Program, Project Director, National Institutes of Health, Division of Research Resources.
- 1990 "Measuring changes in Skin Condition on Hands" \$2,700, Calgon Corporation, St. Louis, MO.
- 1990 "Microbiologic Safety of Heparin Locks", \$1,700, Burron Medical, Bethlehem, PA.
- 1990 "Clostridium difficile on Hands of Staff". \$11,500, Teaching Nursing National Institute on Aging, NIH.
- 1990,91,92 Small Instrumentation Grant. \$5,000, Division of Research Resources, National Institutes of Health.
- 1990 Project to Reduce Maternal and Neonatal Morbidity and Mortality Due to Infection in Ghana (coinvestigator), \$20,000, World Health Organization, Geneva.
- 1990 University Level Workshops on the Prevention and Control of AIDS/HIV Infection in Health Care Settings. Ghana (with W. Cronin) \$12,680. World AIDS Foundation, Paris.
- 1990 3M Research Grant, \$3,500.
- 1990 Infection Control Practices in Midwives. (coinvestigator) \$3,500; NACOG.
- 1990 Learning style preferences in nurse leaders (co-investigator), \$16,000, Food and Drug Administration.
- 1990 Predictors of mobility in the elderly (co-investigator) \$7,000, National Institute on Aging, NIH.
- 1991 3M Research Grant, \$3,500.
- 1991 Outstanding Teacher Award, Johns Hopkins University School of Nursing.
- 1991 Effect of Polish on Microbial Flora of Fingernails. Association of Operating Room Nurses, \$1,200.
- 1991 Wound Management in Homecare, Johnson & Johnson, \$7,100.
- 1992 Effect of protective lotion on surgical scrubbing, Benchmark Enterprises, Salt Lake City, \$27,000.
- 1992 Corporate Scholars Program, Kendall Healthcare, Mansfield, MA, \$40,000.
- 1993 Corporate Scholars Program, 3M, St. Paul, MN, \$40,000.
- 1993 IV Site Care, 3M, St. Paul, MN, \$22,000.
- 1993 Multifactorial approach to improving handwashing, Bauer Industries, Orlando, FL, \$25,000.
- 1995 Behavioral aspects of infection control practices, 3M Corporation, St. Paul, MN, \$300,000
- 1995 Correlates of skin damage among nurses, 3M Corporation, St. Paul, MN, \$25,000
- 1997 Correlation between skin damage and skin microbial colonization on hands, 3M Corporation, St. Paul, MN, \$101,760
- 1997 Administrative interventions to improve handwashing, Procter & Gamble Company, Cincinnati, OH, \$77,628.
- 1997 ENRICH Program (Education and Research in Infection Control and Healthcare), 3M, \$500,000, 4/95-3/98.
- 1998 ENRICH Program, 3M, \$321,029, 9/98-8/00.
- 1998 Influence of home hygiene and transmission of infection and antimicrobial resistance, Procter and Gamble, \$200,000, 9/98-8/00.
- 1999 Pilot study of two skin care regimens for hands of NICU nurses. Steris Corporation, \$8,071, 1-6/99.
- 2000 1R01NR05251-01, Home Hygiene Intervention, National Institute of Nursing Research, NIH, \$639,375, 9/00-8/02.
- 2000 Cleanliness Project (to prepare a monograph on the epidemiologic evidence of a causal link between hygiene and health). Soap and Detergent Association, \$43,114, 9/00-

- 8/01.
- 2001 1R01NR05197-01. Staff hand hygiene and nosocomial infection in neonates. National Institute of Nursing Research, NIH, \$1,378,305, 1/1/01-1/31/03.
- 2001 1T32AI49821-01. Training in the Epidemiology of Infectious Diseases. Institutional National Research Service Award, NIH, 9/1/01-8/31/06, \$1,733,393, Steering Committee.
- 2001 Oncology NP: Emergency department intervention for febrile neutropenia. Oncology Nursing Society, \$99,882, 11/1/01-10/31/02, (Mentor and co-investigator)
- 2002 3 RO1 NR05251-02S1. Competing supplement to Home Hygiene Intervention, NINR, NIH, \$204,375, 1/1/02-6/30/02
- 2002 R01 HS13114-01. "Outcomes of ICU Working Conditions" Agency for Healthcare Research and Quality, \$969,000, 9/1/02-8/31/04, (Co-investigator).
- 2003 Comparison of traditional and disposable bed bath. Sage Products, Inc, \$43,491.
- 2003 Competing supplement to "Staff hand hygiene and nosocomial infection in neonates", NINR, 7/1-1/31/03, \$81,750.
- 2004 Effect of dispenser type on hand hygiene compliance. Go-Jo Industries, Akron, OH, \$25,000.
2004. Impact of Hand Hygiene Guideline on infections and costs. National Institutes of Health, NINR 1 RO1 NR008242-01, 8/1/04-7/31/06, \$734,726.
2004. Antibiotic beliefs and practices in Hispanics. Center for Evidence-Based Practice, NINR, 8/1/04-7/31/05, \$9,952.
2004. Center for Interdisciplinary Research on Antibiotic Resistance, Director, P20 Exploratory Center, NIH Roapmap, 1 P20 RR020616-01, 9/15/04-9/14/07, \$1,841,469.
2005. Small Conference Grant: Translational Research for Quality Health, Agency for Healthcare Research and Quality (AHRQ, 1 R13 HS015706-01), 1/05-5/05, \$24,775.
2006. Stopping URIs and Flu in the Family: The Stuffy Trial. Centers for Disease Control and Prevention, 1 U01 C100004302, 9/30/06-9/29/08, \$2,003,491.
2007. Comparison of rapid detection systems for influenza. 3M Corporation, \$45,091.
2008. Training in Interdisciplinary Research to Reduce Antimicrobial Resistance (TIRAR), National Institute of Nursing Research, T90 NR010824, \$1,039, 554.
2008. Impact of automated surveillance system on appropriate use of isolation precautions for MRSA, Centers for Disease Control and Prevention, 9/30/08-9/29/10, \$600,890.
2008. Stopping URIs and Flu in the Family: The Stuffy Trial. Centers for Disease Control and Prevention, 1 U01 C100004302. Additional funds to test two new aims. 9/30/08-9/29/09, \$92,736.
2008. Improving appropriate use of antibiotics for URI in children of recently immigrated Latinos. Irving Institute Collaborative and Multidisciplinary Pilot Research, 11/5/08-3/5/08, \$25,000.
2009. Risk Factors for Spread of Staphylococcus aureus in Prisons. (Multiple PI with F. Lowy) National Institute of Allergy and Infectious Diseases, NIH, 8/09-7/13, \$3,722,761.
2009. Appropriate Care of URI in Children of Latino Immigrants: The ACURI Pilot Project. Irving Institute Collaborative and Multidisciplinary Pilot Research (CaMPR) Awards, Columbia University, (co-investigator), 7/09-9/10, \$125,000.
2009. Role of Hands and Environmental Surfaces in Spread of H1N1 Virus. Clorox Corporation, 8/09-6/10, \$146,133.
2009. Appropriate Care of URI in Children of Latino Immigrants: The ACURI Project. National Center on Minority Health and Health Disparities, NIH (co-investigator), 9/09-8/11, \$999,759.

- 2009. Distribution of the costs of antimicrobial resistant infections. National Institute of Nursing Research, NIH, 5R01 NR010822, 9/28/07-5/31/12, \$1,688,975. (Note: Became PI in 10/09)
- 2010 Impact of automated surveillance system on appropriate use of isolation precautions for MRSA, Centers for Disease Control and Prevention, 9/30/10-9/29/11, \$120,000.
- 2011 Student Utilization of Hygiene Deterrents to Sickness (The SUDS Study), The Clorox Company, 9/1/11-2/29/12, \$116,181.
- 2011 Children in pediatric longterm care facilities: How often are they touched? Deb Healthcare, 6/1/11-5/30/12, \$18,736.
- 2012 Stopping Infections is Everybody's Priority: The STEP Project. Deb Healthcare, 2/1/12-1/31/13, \$91,430.
- 2012 Keep It Clean for Kids Project (The KICK Project). Agency for Healthcare Research and Quality, R01HS021470, 7/1/12-6/30/16, \$1,707, 941.
- 2012 Health Information Technology to Prevent Healthcare Associated Infections (HIT-HAI), National Institute of Nursing Research, NIH R01NR010822-06, 3/6/13-12/31/15, \$1,109,141.
- 2012 Training in Interdisciplinary Research to Prevent Infections (TIRI), National Institute of Nursing Research, NIH1T32NR013454, 7/1/12-6/30/17, \$218,660.
- 2013 Training in Interdisciplinary Research to Prevent Infections (TIRI Supplement), National Institute of Nursing Research, NIH 3T32NR013454-02S1, 9/26/13-6/30/17, \$306,140.
- 2014 Health Information Technology to Prevent Healthcare Associated Infections, National Institute of Nursing Research, NIH R01 NR010822, 4/1/14-12/31/14, Diversity Supplement, \$108,440.
- 2014 Global Nursing Research Development Initiative (co-PI). President's Global Innovation Fund, Columbia University, \$150,000.
- 2016 Nursing Intensity of Patient Care Needs and Rates of Healthcare-associated Infections (NIC-HAI), Agency for Healthcare Research and Quality, R01HS024915, 09/01/2016 – 08/31/2019, 1,350,476.
- 2017 Writing Workshop to Improve Nursing Science, Elsevier Foundation, 01-08/2017, \$10,000.

COMMITTEE ACTIVITIES:

STATE/NATIONAL/INTERNATIONAL (selected)

Council on Practice, Washington State Nurses' Association, 1966-70.

Chair, Research Committee, Sigma Theta Tau, Psi Chapter, Seattle, WA., 1982-83.

Certification Board in Infection Control, 1983-86. President of Board, 1985.

Research Committee, Association for Practitioners in Infection Control, 1986-88.

Membership Committee, Institute of Medicine, 1986-1987.

Advisory Council, Robert Wood Johnson Foundation Clinical Nurse Scholars Program, 1988-91.

Task Force for Severity of Illness Adjusters, Society of Hospital Epidemiologists of America,

1987-88.

Chair, Task Force for Conducting Task Analysis, Certification Board of Infection Control, 1986-88.

Chair, National Conference Planning Committee, Council of Nurse Researchers, ANA, 1987-89.

Executive Committee, ANA Council of Nurse Researchers, 1987-89.

Committee on Disinfection, Sterilization and antisepsis, American Society for Microbiology, 1988.

Member, Committee to Study Resources for Clinical Investigation, Institute of Medicine, 1988.

Advisory Panel, U.S. Pharmacopeia Drug Product Problem Reporting Program. Representative for the American Nurses' Association, 1988-89.

Infection Control Task Force, Joint Commission on Accreditation of Healthcare Organizations, 1990-95.

Planning Panel for Health Effects of Stress and Emotions, Institute of Medicine, 1991.

Chair, Task Force for American Academy of Nursing Fellowship, 1992.

Committee on Infection Control in Developing Countries, International Federation of Infection Control, U.K., 1992.

Advisory Committee, Fellowship Program, Picker/Commonwealth Patient Centered Care Program, Foundation for Health Services Research, 1992-1996.

Reviewer, Executive Nurse Fellowship Program, Commonwealth Foundation, 1992.

Co-Chair, Planning Committee, Evaluation of Integrating the Comprehensive School Health Programs in Grades K-12. Institute of Medicine, 1993.

Member, Research Committee, American Association of Colleges of Nursing, 1993-94.

Chair, Nominating Committee, Society for Hospital Epidemiology of America, 1994.

Member, Preventive Health and Health Services Block Grant Advisory Committee, Dept of Human Services, DC, 1993.

Chair, Interdisciplinary Education Task Force, American Association of Colleges of Nursing, 1994-95.

Member, Committee on Enhancing Environmental Health in the Practice of Nursing, Institute of Medicine, 1994-95.

Advisory Committee, PORT Project, "Care, Costs and Outcomes of Local Breast Cancer in Elderly Women," Agency for Healthcare Policy and Research, 1994-96.

Member, Committee on Comprehensive School Health Programs, Institute of Medicine, 1995-96

Member, 25th Anniversary Committee, Institute of Medicine, 1995.

Member, Future of Academic Health Centers Task Force, Institute of Medicine. 1996

Chair, Organizational Liaison Committee, Society for Hospital Epidemiology of America, 1996.

Member, History Oversight Committee, Strategic Planning Committee, Institute of Medicine. 1997-8.

Chair, Committee on Joint Medical/Engineering Approaches for Reducing Nosocomial Infections, National Research Council, Board on Infrastructure and the Constructed Environment, 1/97.

Corresponding Secretary, Alpha Zeta Chapter, Sigma Theta Tau, 1999-2001.

Member, Committee for Physician/Nurse Collaboration, Macy Foundation, 1999-2000.

Clinical Research Roundtable, Institute of Medicine, National Academy of Sciences, 2000-2005.

Member, Membership Awards Committee, Institute of Medicine, 2001-2005.

Member, Report Review Committee, National Research Council, National Academy of Sciences, 2001-2007.

Member, Scientific Advisory Committee for the Ad Hoc Group for Medical Research Funding. American Association of Medical Colleges, Washington DC, 2002-5.

Steering Committee, National Voluntary Consensus Standards for the Reporting of Healthcare-Associated Infection Data, The National Quality Forum, Washington DC, 2006.

Task Force on the Future of the Research-focused Doctorate. American Association of Colleges of Nursing, Washington DC, 2008-2010.

Chair, Institutional Review Board, New York Academy of Medicine, 2011-present.

Member, Advisory Committee, Squina International Centre for Infection Control, Hong Kong Polytechnic University, 2011-13.

National Advisory Council, Robert Wood Johnson Foundation Nurse Faculty Scholars Program, 2012-16.

Workshop on Capacity Building for National Sustainable Development. Presenter/Facilitator: 2-day workshop on infection prevention and antimicrobial stewardship. School of Biomedical Sciences, Nairobi, Kenya. August 2018.

INSTITUTIONAL (selected)

Chair, Quality Assurance/Research Committee, University of Washington Hospital, Seattle,

WA., 1980-83.

Member, Nursing Research Committee, Hospital of University of Pennsylvania, Philadelphia, Pa., 1983-85.

Co-chair, Nursing Research Committee, Johns Hopkins Hospital, 1986-92.

Member, Hospital Infection Control Committees:
University of Washington Hospital, Seattle, 1967-70, 1976-83.
Hospital of University of Pennsylvania, Philadelphia, 1983-85.
Johns Hopkins Hospital, 1985-92.

Member, Joint Committee for Clinical Investigation, The Johns Hopkins University (JHU) School of Medicine, 1986-89.

Member, Faculty Affairs; Undergraduate Curriculum; Graduate Curriculum; Appointment, Promotion and Tenure; and Grants Initiative Committees, JHU School of Nursing, 1986-90. Council of Deans and Directors, JHU School of Nursing, 1989. Council on Computers and Information Systems, JHU School of Nursing, 1989.

Chair, Appointment, Promotion, Tenure Committee, 1990.

Committee to Develop Policy for Dealing with Allegations of Research Fraud, Johns Hopkins University, 1987; Committee to Develop Policy for Faculty Substance Abuse, Johns Hopkins University, 1987; Review of Research Administration Committee, JHU, 1989; Research Deans Group, 1990-present; Faculty Budget Advisory Committee, 1991.

Committee to Develop Student Policy Regarding AIDS, Johns Hopkins Medical Institutions, 1988.

AIDS Research Committee, Johns Hopkins University, 1988.

Council of Deans, Hospital Executive Faculty and Staff, Medical Center Council, Committee on Control of Hospital Infections (Co-Chair), Georgetown University, 1992-98.

Executive Steering Committee, Institute for Health Care Research & Policy, Georgetown University Medical Center, 1995-8.

Faculty and Staff Assistance Program Advisory Council, Georgetown University, 1995-8.

Child Care Center Committee, Student Health Advisory Committee, Georgetown University, 1995.

Chair, Student Enrollment Services Task Force, Georgetown University, 1998.

Executive Committee, Faculty Council, Columbia University School of Nursing, 1999-2001.

Salary Equity Committee, Columbia University Health Sciences Division, 1999-2001.

Member, Infection Control Committee, New York Presbyterian Hospital—Columbia Campus, 2002-2019.

Doctoral Candidacy Qualifying Examination Committee, School of Nursing, Columbia University, 2000-2003, 2009-2011.

Doctoral General Examination Committee, Mailman School of Public Health, Columbia University, 2000-2013.

Chair, Columbia University School of Nursing Committee on Faculty Appointment and Tenure, 2001-2010.

Committee on Appointments and Promotion, Columbia University Medical Center (CUMC), 2001-2011. Co-chair, 2004-5 and 2007-8.

Advisory Board, *InVivo*, Columbia University Health Sciences Center publication, 2002-2003.

Member and Chair, Institutional Review Board, Columbia University Medical Center, 2002-

Member, Conflict of Interest Committee, CUMC, 2003-present

Member, Academic Program Committee, CUMC, 2003-04.

Member, Dean's Search Committee, Mailman School of Public Health, 2006-7.

Member, Community Engagement Research Committee, Clinical and Translational Science Award, 2007-present.

Executive Committee, Irving Institute for Clinical and Translational Research, 2009-

Advisory Board, Patient-Oriented Research Master's Program (MS/POR), Mailman School of Public Health, 2009-

Member, School of Nursing Dean Search Committee, Columbia University, 2009-10.

Member, Advisory Board, Patient-Oriented Master's Program, Mailman School of Public Health, 2009-12.

Member, Executive Committee, Department of Epidemiology, Mailman School of Public Health, 2010-15

Member, Faculty Tracks Committee, Columbia University Medical Center, 2009-11.

Member, Faculty Senate, Columbia University, 2011-13.

Co-Chair, External Relations and Research Policy Committee, Faculty Senate, Columbia University, 2011-13.

Member, Search Committee for Dean, College of Dental Medicine, Columbia University, 2012.

Member, Search Committee, Chair, Department of Biostatistics, Mailman School of Public Health, Columbia University, 2012-13.

Member, Institutional Conflict of Interest Policy Drafting Committee, Columbia University, 2013.

Member, Search Committee, Executive Director of Human Research Protection Program, Columbia University, 2013.

Member, Committee on Appointments and Promotions, Department of Epidemiology, Mailman School of Public Health, Columbia University, 2012-present.

Member, Provost's Committee on Libraries and Information Services, Columbia University, 2014-17.

Member, Foundation Essay Committee, Department of Epidemiology, Mailman School of Public Health, Columbia University, 2015-18.

Member, University Wellness Committee, Columbia University, 2014-18.

Co-Director, Pilot and Collaborative Studies Resource and member of the Regulatory Knowledge and Ethics Support Program, Irving Institute for Clinical and Translational Research Clinical and Translational Science Award (UL1TR001873), 2016-present.

COURSES TAUGHT: ACADEMIC

Principles of Microbiology in Nursing, University of Washington School of Nursing, 3 semester credits, graduate level, 1982.

The Research Process in Nursing. The Johns Hopkins University School of Nursing, 3 semester credits, undergraduate level, 1986-92.

Advances in Infection Prevention. The Johns Hopkins University School of Nursing, 3 semester credits, Graduate level, 1989-92.

The Research Process in Nursing. The faculty of The University of Barcelona Escola Universitaria d'Infereria, Barcelona, 1990.

Research Design Methodology. Johns Hopkins University School of Nursing, 3 semester credits (co-teaching), Graduate level, 1991-92.

Nosocomial Infections. Joint course, Johns Hopkins Schools of Nursing and Public Health, 3 semester credits, Graduate level, 1992-93.

Research I (masters core course), Columbia University School of Nursing, 3 semester credits, 1998-9.

Clinical Leadership Colloquium (doctoral core course), Columbia University School of Nursing, 2 semester credits, 1999-2003.

Grantwriting, Columbia (team taught), 1 semester credit, doctoral level, 1999.

Theory and Research in Applied Sciences and Nursing (masters core course), Columbia, 4 semester credits, 1999-2002.

Research Design (doctoral core course, co-taught), Columbia, 3 semester credits, 2000-present.

Measurement of Clinical and Other Phenomena (doctoral core course), Columbia, 3 semester credits, 2001.

Dissertation Seminar (doctoral core course), Columbia, 2 credits, 2003-2010.

Scholarly Policy Leadership (doctoral core course), Columbia, 2 credits, 2004-2008.

Incorporating Genetics into Advanced Practice Nursing (masters level core course), Columbia, 3 credits, 2004.

Building Interdisciplinary Research Models (interdisciplinary doctoral core course), Columbia, 2 credits, 2009-2018.

Scholarly Writing (Doctor of Nursing Practice required course), Columbia, 1 credit, 2019.

CONTINUING EDUCATION COURSES PLANNED/TAUGHT:

Participated in development and appeared in videotape/television productions: A Case Study Shaping Health Policy, National League for Nursing, 1986.

Two 15-minute programs on handwashing and infection control, Physicians Update Journal, Lifetime Television, Hollywood, CA, 1987.

Special, Nosocomial Infections - The Silent Epidemic, ABC, 1988.

Director, Annual Hopkins Nursing Research Day, Johns Hopkins Medical Institutions (JHMI), Baltimore, 1987-89.

Director, Advances in Infection Prevention (JHMI), 1988.

Co-Director, Nursing Research Conference, Co-sponsored by University of Maryland and Johns Hopkins University Schools of Nursing, 1990.

Director, Symposium on Alcohol Skin Disinfection (JHMI), 1990.

Director, Advances in Infection Prevention-91 (JHMI), 1991.

Preoperative Skin Cleaning. Telemedicine Canada, 10/91.

Co-Director, Workforce Policy: Physicians and Nurses in Health Care Reform. Association of

Academic Health Centers, Georgetown University Dept of Medicine and School of Nursing, Wash DC, 4/94.

Solving Clinical Questions. Alliant Health System, Louisville, KY, 11.96.

The Peer Review Process. Writing Workshop, APIC, San Diego, 5/98.

Web-Based Grantwriting Course, APIC Research Foundation, 2000-01.

Conducting Research, one day workshop, Norton Healthcare System, Louisville, KY, 10/01.

Writing for grants and publication, APIC, San Antonio, TX, 5/03.

Write Right: Scientific writing workshop. University of Miami School of Nursing, Miami, FL, 2/04.

Moving Epidemiologic Projects to Publication. New Zealand Division of Infection Control Nurses, Palmerston, New Zealand, 8/04.

Flexible approaches to informed consent. Workshop, 8th Annual Educational Conference, Human Research Protection Office, New York, NY, 5/14.

Solutions to the challenges in conducting high quality infection prevention and control research. Workshop, 6th International Infection Control Conference, Infection Control Nurses Association, Hong Kong, 8/14.

Summit to Develop Clinical Nursing Research Agenda for Sub-Saharan Africa, Nairobi, Kenya, 7/15(co-planner, developer and presenter).

Summit to Develop Clinical Nursing Research Agenda for Eastern Mediterranean Region, Amman, Jordan, 7/16 and 7/17 (co-investigator, developer and presenter).

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Infection Prevention and Control and Antimicrobial Stewardship. Two-day Workshop and Symposium on Capacity Building for National Sustainable Development, Jomo Kenyatta University of Agriculture and Technology. Nairobi, Kenya, 8/18.

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SELECTED PAPERS AND PRESENTATIONS:

Selected Oral Presentations:

Creating Nursing Care Plans (5/69); Performance Evaluation (5/70); Control of Infection (6/70); Nosocomial Infections (10/80). Continuing Medical Education Courses, University of Washington, Seattle

Persistent carriage of gram-negative bacteria on hands. American Nurses' Association Council of Nurse Researchers, Washington DC, 9/81.

Are we getting listless over Lister? An update on handwashing. Nursing Exposition 83, Seattle, WA., 1/83.

Expectations and values in job satisfaction. Second National Conference on Nursing Administration Research, Medical College of Virginia, Richmond, Va., 4/83.

Effect of a role model on handwashing behavior. Tenth Annual Educational Conference, Association for Practitioners in Infection Control (APIC), San Diego, Ca., 5/83.

Handwashing in infection control. Louisiana State University, Shreveport, La., 5/83.

The practice of containment isolation. Research symposium, The Johns Hopkins University, Baltimore, Md., 10/83.

An update on handwashing. Third Annual Research Conference of the Southern Council on Collegiate Education for Nursing, Baltimore, Md., 12/83.

iatrogenic infections in critical care; Complications of intravascular therapy; Isolation techniques in critical care; Scientific basis for handwashing. Twenty-second Annual Critical Care Medicine Symposium, Las Vegas, NV., 3/84.

Effect of architectural change on nosocomial infection rate in a neonatal intensive care unit. Eleventh Annual Educational Conference, APIC, Washington DC, 6/84.

Current trends in nosocomial infections; Hand hygiene and antisepsis. Departments of Microbiology and Infectious Diseases, Kuwait University, Kuwait, 2/85.

Effects of handwashing on skin. RW Johnson Clinical Nurse Scholars Annual Meeting, San Francisco, CA., 2/85.

Quantitating effects of handwashing on skin. Twelfth Annual Educational Conference, APIC, Cincinnati, OH., 5/85.

Research writing, reports and publications. Nursing Research Symposium, George Mason University, Fairfax, VA., 5/85.

Cost effectiveness of handwashing agents. Veterans' Administration, Washington DC, 10/85.

Issues in informed consent. Nursing Research in Critical Care Symposium, Sigma Theta Tau and Medical College of Virginia Hospitals, Richmond, Va., 10/85.

Composition and antimicrobial resistance of skin flora in hospital patients and staff. RW Johnson Clinical Nurse Scholars Annual Meeting, Philadelphia, Pa., 2/86; Quantity of soap and antimicrobial efficacy, Orlando, FL, 2/87.

Antibiotic Resistance in Skin Flora. Seattle Veterans' Administration Medical Center and Puget Sound Chapter, APIC, Seattle, 3/86.

Handwashing Practices for Healthcare Personnel. National Annual Conference on Nursing Research. University of Maryland, Baltimore, 3/86; Efficacy of alcohol-based hand rinses under frequent use conditions 3/87.

Roadblocks to Research. Pennsylvania Chapter, American Association of Critical Care Nurses, Philadelphia, 4/86.

Update on AIDS; Hospital Infection Control. Annual Convention, National Student Nurses' Association, New Orleans, 4/86.

Course, "Nosocomial Infection and Its Control". Ministry of Public Health, Kuwait, 4/86.

Antiseptics; Research Ideas, Methods and Funding. Thirteenth Annual Educational Conference, APIC, Las Vegas, 5/86.

Research in Clinical Settings. Nurses' Association of the College of Obstetricians and Gynecologists, Ocean City, Md., 5/86.

Physiologic, Microbiologic, and Seasonal Effects of Handwashing on Skin of Healthcare Personnel. International Nursing Research Conference, Edmonton, Alberta, 5/86.

Infection Control in the Extended Care Facility. Fifth Pennsylvania Infection Control Symposium, Harrisburg, Pa., 9/86; Maryland Association of Health Care Providers, Baltimore, 12/86.

Changes in Skin Flora Among Hospital Patients and Staff. Annual Research Conference. Pace University, Lienhard School of Nursing, Pleasantville, NY, 10/86.

Antisepsis, Disinfection, and Handwashing-The Cornerstone of Infection Control. The Society of Hospital Epidemiologists of America. Hartford, CN, 11/86.

Dermatologic aspects of infection control; infectious waste. Fourteenth Annual Educational Conference, APIC, Miami Fl, 5/87.

Setting the stage for success in clinical research. Virginia Nurses' Association, Arlington, VA., 9/87.

Rituals vs. necessities: infection control. Annual Convention, Maternal Child Nursing Association, New Orleans, LA, 9/87.

Research and epidemiologic methods. South Carolina Hospital Infection Control Practitioners and Hospital Association, Greenville, SC, 10/87.

Meeting educational needs of the extended care practitioner. Pennsylvania Infection Control Symposium, Harrisburg, PA, 10/87.

Antiseptic Testing. Symposium on Chemical Germicides in the Health Care Field. American Society for Microbiology, Arlington, VA, 11/87.

Overview of handwashing research. Louisiana State University, School of Nursing, Sigma Theta Tau, Shreveport, LA., 11/87.

Use of CURN Project to teach research utilization in a baccalaureate program. Sixth Annual Conference on Research in Nursing Education, National League for Nursing, San Francisco, CA., 1/88.

Comparison of handwashing products containing chlorhexidine. National Annual Conference on Nursing Research, University of Maryland, Baltimore, MD, 3/88.

Nursing research in psychiatry. National Symposium on Advanced Psychiatric Nursing Practice, Baltimore, MD, 5/88.

Workshop: Test it out and reviewing the literature. Fifteenth annual educational conference, APIC, Dallas, TX, 5/88.

Effective handwashing policies and procedures. First National Conference on Employee Health, AIDS, Infection Control. American Health Consultants, Boston, 7/88.

Barrier precautions. Massachusetts General Hospital Department of Nursing, Boston, 7/88.

The psychology of change. Second International Conference on Infection Control, Harrogate England, 9/88.

Collaborative clinical research. Maryland Nurses Association 85th Annual Convention, Baltimore, 11/88.

Surgical scrubbing: rituals vs. realities. Twenty-sixth Annual Congress of the Association of Operating Room Nurses, Anaheim, 2/89.

Epidemiology of nosocomial infections. Sixteenth Annual Harvard Course in Intensive Care Medicine, Cambridge, MA, 4/89.

M. Adelaide Nutting: Educating nurses to nurse. Images of Nursing Conference, Salisbury State College, Salisbury, MD., 6/89.

Lecturer on infection control issues, including body substances isolation, skin antisepsis. Infection Control Society, Melbourne and Sydney Australia, 7/89.

Rituals and reason in infection control. University of Utah Medical Center, Salt Lake City, 7/89.

Handwashing versus hospital infections. Fourteenth Annual Symposium for Clinicians on Hospital Infection Control. University of Virginia School of Medicine, Charlottesville, VA, 11/89.

Diagnostic considerations in nosocomial infections. 17th Annual Harvard course in Intensive Care Medicine, Boston, 6/90.

Disinfection, sterilization and antisepsis. APIC course, "Fundamentals, prevention and control of nosocomial infections", Chicago, IL, 10/90.

Immunizations in healthcare workers. National Federation for Specialty Organizations. Crystal City, VA, 3/91.

Surgical skin preparation. Canadian Operating Room Nurses' Association, Banff, Alberta, 5/91.

Selection of antiseptics and handwashing agents. Nineteenth Annual Education Conference, APIC, San Francisco, 6/92.

Research opportunities, design, data analysis: APIC Advanced Practitioner Course, Chicago, 10/92; Atlanta, 5/94; Atlanta, 1/95.

Scientific writing and presentation. Twentieth Annual Education Conference, APIC, Orlando, 5/93.

Do antiseptic agents reduce nosocomial infections? International Symposium on Chemical Germicides in Health Care. Cincinnati, OH, 5/94.

Hands, gloves, and gowns. Eleventh National Conference of Community and Hospital Infection Control Association, Canada, Halifax, Nova Scotia, 6/94.

Barrier precautions in immunosuppressed patients and infection prevention in bone marrow transplantation. Eighth Jordanian Medical Association Conference, Amman, Jordan, 10/94.

Cleaning of hands, operative site, preoperative bathing. Third International Symposium on Cutaneous Fungal, Bacterial, and Viral Infection and Therapy. UCCSF, 9/95.

Infection control in bone marrow transplant units. Pan Arab Cancer Conference, Cairo, Egypt, 3/96.

Ethical decision making in a changing health care environment. National Academies of Practice Health Care Policy Forum, Arlington, VA 4/96.

Behavioral aspects of infection control. Society for Healthcare Epidemiology of America, Washington, DC 4/96.

Hand antisepsis: Selection and compliance, Procter & Gamble, Cincinnati, 8/96.
Global trends in infection control, St. Thomas Hospital, London, 9/96.

Resistant organisms: Global impact on continuum of care. Health Care Focus Panel, Berlin, 9/96

Education and infection control. Annual meeting North American Association for Professionals in Infection Control & Epidemiology, Raleigh, NC, 10/96

Strategies to improve compliance for hand hygiene. Global Network Conference on Safe and Unsafe Methods of Infection Control, International Federation of Infection Control, Cambridge University, England. 9/97

Handwashing: Will we ever see progress? The politics, science and epidemiology of the Gulf War Syndrome. Nosocomial Infectious Diseases and Health Care Epidemiology Course, Harvard Medical School, Boston, 11/97.

Reduction of risks to health care workers and patients. Second Annual National Antimicrobials Workshop, Environmental Protection Agency, Washington, DC, 6/98.

Behavioral modification as a weapon in nosocomial infection control.
The role of hand carriage of organisms in the transmission of infection in the hospital and nursing home. Postgraduate course, Advances in the Control of Nosocomial Infections. University of Wisconsin-Madison Medical School, Madison, WI, 1/99.

Faculty, Global Consensus Conference on Antimicrobial Resistance and Infection Control. Toronto, CN, 3/99.

Organizational climate and behavior change with hand hygiene. Annual Meeting of The Society for Healthcare Epidemiologists of America, San Francisco, 4/99.

Behavioural modifications as a tool for change and Improving health care worker behavior. Risk and Prevention--RAP Congress, International Society of Chemotherapy, Paris, France, 2/00.

Practical approaches to improving hand hygiene. Satellite Educational Workshop, Society for Healthcare Epidemiology of America, Atlanta, GA, 3/00.

History, mission and functions of HICPAC, and Hand Microbial Ecology. Fourth Decennial Conference on Nosocomial and Healthcare Related Infections, Atlanta, GA, 3/00.

Surveillance--the American perspective, and Use of behavioral sciences to promote hand hygiene. Second Annual Portuguese Infection Control Conference, Lisbon, Portugal, 4/00.

Skin microbial control: The art and science of hand hygiene. AORN 47th Annual Congress, New Orleans, LA, 4/00.

Handing you solutions--solutions for your hands. Community and Hospital Infection Control Association--Canada (CHICA) 2000 Conference, Toronto, Canada, 5/00.

Changing practice of hand hygiene, and New advances in surgical scrubs. 27th Annual Educational Conference, APIC, Minneapolis, MN, 6/00.

The role of infection control in combatting *Acinetobacter* resistance. New York Academy of Medicine (sponsored by Merck), New York, 6/00.

When is clean too clean? Infectious Diseases Education Association, Harrisburg, PA, 10/00.

From results to publication: Getting the word out. Second National Health Policy Conference, Columbia University School of Nursing, 11/00.

Behavioral strategies to improve compliance. University of Rochester School of Nursing, Rochester, NY, 12/00.

Hygiene and health: The epidemiologic link. Euroconference, Pasteur Institute, Paris, 1/01.

Effective strategies for changing hand hygiene behavior. Eleventh Annual Conference of The Society for Healthcare Epidemiology of America, Toronto, Canada, 4/01.

Handwashing vs. hand gels. Spring Conference, The Michigan Society for Infection Control, Ypsilanti, MI, 4/01.

Meet the Experts sessions: Hand hygiene. 28th Annual Educational Conference and International Meeting, APIC, Seattle, 6/01.

Emerging and reemerging infections, Hygiene and Health, and Innovations in Hand Hygiene. Japanese Nurses' Association and Japanese Association of Operating Room Nurses, Tokyo, 7/01.

Hand hygiene: Teaching old dogs new tricks. 20th Annual Educational Conference, Epidemiologists and Professionals in Infection Control, Oklahoma City, 11/01.

Innovations in hand hygiene. APIC-Grand Canyon Chapter, Phoenix, 11/01.

Antisepsis. AORN Conference on Infectious Diseases, Roswell, GA, 11/01.

How to build elements of a research program, University of Washington faculty and doctoral students, 12/01.

Global burden of infectious diseases through the gastrointestinal tract: a critical scientific assessment of exposure (invitational workshop). American Academy of Microbiology, Galway, Ireland, 2/02.

Prevalence of infectious disease symptoms and antibiotic use in 636 hispanic households in New York City. Conference on Antimicrobial Resistance. National Foundation for Infectious Diseases, Bethesda, MD, 6/02.

Peer review. International Academy of Nursing Editors, San Diego, CA, 8/02.

When Is Clean Too Clean? Association for Professionals in Infection Control and Epidemiology, Central Service Personnel Association, Association for Perioperative Nurses, Houston, TX, 9/02.

State of the Art: Hand hygiene. Forty-second Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego, CA 10/02.

Innovations in hand hygiene. Smoky Mountain APIC Conference, Gatlinburg, TN, 10/02.

A look at the new guideline. Seventh Conference on Infectious Diseases, Association of Perioperative Registered Nurses, Atlanta, GA, 11/02.

How clean should we be? Wisconsin APIC 2003, Milwaukee, WI, 4/03.

Epidemiologic studies of hygiene in the community and hospital. New York Academy of Medicine, New York, NY 5/03.

Racial and ethnic disparities in health care: A patient safety issue. Thirtieth Annual Conference and International Meeting, APIC, San Antonio, TX, 6/03.

The relative impact of hand hygiene on nosocomial infections and Theoretical approaches to behavioral change in infection control. Norwegian Nurses' Association and Norwegian Forum for Hospital Infection Control, Molde, Norway, 9/03.

Hand hygiene and antisepsis. Eighth Annual Conference on Infectious Diseases, Association of Perioperative Registered Nurses, Atlanta, GA, 12/03.

Healthcare-acquired infections as an indicator of patient safety. Symposium. 31st Annual APIC Conference, Phoenix, AZ, 6/04.

Nursing research to prevent and control infections--making our worlds safer. National Nursing Research Roundtable, Am Nurses Foundation, Washington DC, 3/02.

Alcohol and hands. New York Branch of the American Society for Microbiology, New York, NY, 4/03.

How clean should we be? Wisconsin APIC 2003 Seminar. Milwaukee, WI, 5/03.

Medical Grand Rounds, University of Wisconsin Hospital and Clinics, Madison, WI, 5/03.

Building the academic and community partnership, Eastern Nursing Research Society, Quincy, MA, 4/04.

Setting the research trajectory for a school of nursing: Translational research for quality health outcomes (Symposium). National Congress on the State of the Science in Nursing Research, Council for the Advancement of Nursing Science, Washington DC, 10/04.

Effect of antibacterial home cleaning and handwashing products on infectious disease symptoms: A double-blind randomized trial. National Congress on the State of the Science in Nursing Research, Council for the Advancement of Nursing Science, Washington DC, 10/04.

Antibiotic use in the community. University of Washington, Seattle, 2/05.

Challenges and issues in antisepsis. North Mississippi Medical Center, Tupelo, MS, 3/05.

Writing for Publication workshop. Eastern Nursing Research Society annual conference, New York, NY, 4/05.

Antibiotic attitudes and practices among the Hispanic community in New York City. Fourth Annual Antimicrobial Resistance Conference, National Foundation for Infectious Diseases, Bethesda, MD, 6/05.

Innovations in surgical scrubbing. 3M Canada and Canadian Hospital Infection Control Association, Toronto, CA, 9/05.

Control and intervention integrity when planning interventional research. Council for the Advancement of Nursing Science Conference, Washington DC, 10/05.

Meet-the-Expert Session: Educating the healthcare worker. 45th Interscience Conference on Antimicrobial Agents and Chemotherapy. Washington DC, 12/05.

Invitational lecture, Hand hygiene. 45th Interscience Conference on Antimicrobial Agents and Chemotherapy. Washington DC, 12/05.

Preparing a fundable federal proposal for neutropenia research. State of the Knowledge Neutropenia Symposium. Oncology Nursing Society, Pittsburgh, PA, 1/06.

Effect of hand hygiene on healthcare-associated infection in neonates. Sixteenth Annual Scientific Meeting, Society for Healthcare Epidemiology of America, Chicago, IL, 3/06.

Motivating behavioral change in healthcare professionals. Continuing Education Symposium, University of Washington Health Sciences Center, Seattle, 3/06.

Successes in multidisciplinary research: Nurse scholar panel. Eighteenth Annual Scientific Sessions, Eastern Nursing Research Society, Philadelphia, PA, 4/06.

Antibacterial home cleaning and infectious disease symptoms. Disinfection, Sterilization and Antisepsis: Principles, Practices, Current Issues and New Research Conference, Tampa, FL, 6/06

Interpreting research and literature. 33rd Annual Education Conference and International Meeting, APIC, Tampa, FL, 6/06.

WHO's Global Patient Safety Challenge. 33rd Annual Education Conference and International Meeting, APIC, Tampa, FL, 6/06.

Personal and workplace protective measures for pandemic influenza: Personal hygiene measures. Conference sponsored by the Sloan Foundation. New York, NY, 6/06.

Meet-the-Experts, hand hygiene. Society of Healthcare Epidemiologists of America Annual Conference, Baltimore, MD, 4/07.

Measuring hand hygiene compliance: The Joint Commission Project. 34th Annual Education Conference and International Meeting, APIC, San Jose, CA, 6/07.

Beyond the Challenge: Reviewing hand hygiene improvement work. World Health Organization, Geneva, Switzerland, 8/07.

Managing and controlling infectious diseases. Fourth Annual Conference on Emerging Infectious Diseases. The Nursing Center for Bioterrorism and Emerging Infectious Diseases Preparedness, Rutgers University, New Brunswick, NJ, 11/07.

Stopping URIs and flu in families: The Stuffy Trial. Division of Global Migration and Quarantine and Influenza Division, CDC, Atlanta, GA, 3/08.

New developments in hand hygiene. Society of Healthcare Epidemiologists of America Annual Conference, Orlando, FL, 4/08.

From planning center to translational partnerships (symposium) and Translation and transformation in research: Tales from two nurse scientists (plenary session). Council for the Advancement of Nursing Science National Congress, Washington DC, 10/08.

Selection and use of antiseptics. Ninth Congress, International Federation of Infection Control, Santiago, Chile, 10/08.

Stopping URI and flu in families: The Stuffy Trial. 36th Annual Education Conference and International Meeting, APIC, Ft Lauderdale, FL, 6/09.

Monitoring hand hygiene. Fifth Decennial Conference on Nosocomial Infections, Atlanta, GA, 3/10.

Creative approaches to improving hand hygiene; Challenges in conducting high-quality research; Mastering the art of influence. Fourth Annual Conference, Hong Kong Infection Control Nurses' Association, Hong Kong, 8/10.

Webber Training Teleclasses (<http://webbertraining.com/teleclassesc1.php>), Webcast annually, 2005-present.

Balance in expertise: Building new models in clinical and translational research. Joint meeting on Clinical and Translational Research and Education meeting of Association for Clinical Research Training (ACRT) and the Society for Clinical and Translational Science (SCTS) and the American Federation for Medical Research (AFMR), Washington DC, 4/11.

Hand hygiene: advances in behavioral change. Society for Healthcare Epidemiologists of America, Baltimore, MD, 4/11.

Building collaborations in challenging sites. Joint annual meeting of the Association for Clinical Research Training and the Society for Clinical and Translational Science. Washington, DC, 4/11.

Evidence behind interventions? How strong? How to assess? and Behavioral science and hand hygiene. 38th Annual Education Conference and International Meeting, Association of Professionals in Infection Control and Epidemiology, Baltimore, MD, 6/11.

Publishing in infection control literature. International Conference on Prevention and Infection Control. Geneva, Switzerland, 7/11.

Changing habits of healthcare professionals. Ben Gurion University, Beer Sheva and Rambam Hospital, Haifa, Israel, 7/11.

Enhancing research in nursing. Ben Gurion University, Beer Sheva, Israel, 7/11.

Moving evidence to the community through the Clinical and Translational Science Institutions (panel). Eastern Nursing Research Conference, New Haven, CT, 3/12.

Decreasing healthcare-associated infections: From bedside to policy (panel). Eastern Nursing Research Conference, New Haven, CT, 3/12.

Monitoring hand hygiene: Is it feasible? What is the impact? Thirteenth Brazilian Conference on Epidemiology and Infection. Santos, Brazil, 11/12.

Visiting Professor, University of Sao Paulo School of Nursing. Lectures: Publishing Nursing Research, Nursing's Role in Hand Hygiene Compliance, Trends in Nursing Science. Sao Paulo, Brazil, 11/12.

APIC's role in science: What do we/should we contribute? Fortieth Annual Education Conference and International Meeting, Association of Professionals in Infection Control and Epidemiology, Fort Lauderdale, FL, 6/13.

How to effect change in schools of nursing. Robert Wood Johnson Nurse Faculty Scholars National Meeting, Princeton, NJ, 12/13.

Research in infection prevention: What's new and what's next 100% hand hygiene compliance—an impossible dream? 6th International Infection Control Conference, Hong Kong Infection Control Nurses' Association, Hong Kong, 8/14.

Chronic health conditions and behaviors among persons entering maximum security prison. 25th Annual International Research Conference, Sigma Theta Tau International, Hong Kong,

8/14.

Challenges in implementing an electronic monitoring system for hand hygiene. Conference on Disinfection, Sterilization and Antisepsis. Association of Professionals in Infection Control and Epidemiology, Nashville, TN, 6/15.

Infection prevention and control issues in the United States. American Nurses Association Membership Assembly, Washington DC, 7/15.

Hospital acquired infections: Sustaining adoption of clinical practice guidelines. 23rd National Evidence Based Practice Conference, University of Iowa Hospitals and Clinics, Iowa City, IA, 4/16.

Credentials, competencies, and other critical factors affecting the nursing workforce. 20th Annual Nursing Research Conference, NYU Langone Medical Center, New York, NY, 6/16.

From Asian Flu to Zika Virus: Local and global policy perspectives on emerging infectious diseases. American Academy of Nursing Annual Conference, Washington DC, 10/16.

Year of Infection Control. Fourth International Conference on Prevention and Infection Control, International Consortium for Prevention and Infection Control, Geneva, Switzerland, 6/17.

Research dissemination and publication. University of Jordan School of Nursing, Amman, Jordan, 7/2017.

Human interface with innovations in electronic monitoring of hand hygiene. Healthcare Infection Transmission System Conference. National Sanitation Foundation, Ann Arbor, MI, 9/17.

From results to action: Getting the work out. Workshop Facilitator: 30th Annual Rocky Mountain Research and Evidence-Based Practice Symposium. Denver, CO, 4/18.

Publishing: Methods matter. Thirtieth Annual Conference Eastern Nursing Research Society, Newark, NJ, 4/18.

Meet the Consultant, Publishing your science to make an impact. Sixth Decennial International Conference on Healthcare-Associated Infections, Centers for Disease Control and Prevention, Atlanta, GA, 3/2020.

Preparing for the next decade of progress, Closing plenary session. Sixth Decennial International Conference on Healthcare-Associated Infections, Centers for Disease Control and Prevention, Atlanta, GA, 3/2020.

Selected Poster Presentations: (Note: Every year since 2007 I have been first or co-author >12 national and international posters/year and therefore I no longer list them)

(with D Blum, J Hughes, L Newman): Failure of doxycycline prophylaxis of diarrhea in travelers in Mexico. Interscience Conference on Antimicrobial Agents and Chemotherapeutics, New Orleans, La., 9/80.

A decentralized approach to management of IV therapy. Tenth Annual Educational Conference, APIC, San Diego, Ca., 5/83

Intravenous therapy. American Nurses' Association Council of Nurse Researchers, Minneapolis, MN., 9/83

Antibiotic-sensitive and resistant (JK group) lipophilic diphtheroids on skin of hospitalized and healthy adults. Interscience Conference on Antimicrobial Agents and Chemotherapeutics, Minneapolis, 9/85.

Changes in skin flora among hospitalized patients. American Society for Microbiology, Washington, D.C., 3/86.

Home hygiene practices and transmission of infections among household members. Fourth Decennial Conference on Nosocomial and Healthcare Related Infections, Atlanta, GA, 3/00.

Differences in skin flora among hospitalized patients and chronically ill outpatients. Fourth Decennial Conference on Nosocomial and Healthcare Related Infections, Atlanta, GA, 3/00.

Short and longterm effects of handwashing with antimicrobial or plain soaps in the community. Fortieth Annual Meeting of Infectious Diseases Society of America, Chicago, IL, 9/02.

Availability of antibiotics without prescription in New York City. Infectious Diseases Society of America, Boston, 9/04.

Larson EL, Fatato B, Lowy F, Gebbie K. Establishing an interdisciplinary research center: A component of the NIH Roadmap (PAP5069-1), Academy Health, Boston, MA, 6/05.

Braun B, Kusek L, Larson E. Consensus-based recommendations for measuring adherence with hand hygiene guidelines: A field survey for effective practices. International Society for Quality in Health Care, Melbourne, Australia, 24th International Conference, 10/07.

SELECTED KEYNOTE ADDRESSES:

Nursing research outside academia. Sigma Theta Tau Research Conference, Seattle, WA., 4/81.

Research and practice: fitting the pieces together. Sigma Theta Tau Annual Conference, Seattle, WA., 6/83.

Translating research into practice. Eighth Annual Research Day, Sigma Theta Tau, Columbia University, New York, NY., 4/84.

Infection control in the elderly. Indian Health Service, Rapid City, SD, 9/85.

Nurse researcher-nurse clinician: A team for improving care. Annual Nursing Research Day, Adelphi University, Long Island, NY, 6/87.

Doing research: using research. Third Annual Research Day, West Penn Hospital, Pittsburgh, PA, 10/87.

Physiological variables related to nursing research. Rutgers University College of Nursing, Newark, NJ, 2/88.

Nursing research in the practice setting. Division of Nursing, Univ. of Va. Hospitals and Sigma Theta Tau, Charlottesville, Va, 3/88.

Changing clinical outcomes with nursing research. Third Annual Conference of the Southern Nursing Research Society, 2/89.

Nursing research: a tradition for the future. Sigma Theta Tau Research Day, University of Pittsburgh, Pittsburgh, 3/89.

Visiting Professor, "Examining new health priorities in light of AIDS epidemic", Ohio State University, Columbus, OH, 2/90.

Nursing research: using the process to improve patient outcomes. Capstone Conference on Clinical Nursing Research. University of Alabama, Tuscaloosa AL, 3/90.

Is research a tradition in nursing? Honor Society Annual Meeting, Johns Hopkins University School of Nursing, Baltimore 5/91.

A global approach to collaboration. Research Facilitators' Conference. Rutgers University, NJ, 6/91.

Lessons to be learned from handwashing. Sixteenth Annual Infection Control Update 1992, Rocky Mountain Infection Control Association, Salt Lake City, 4/92.

Twenty years of infection control, DC APIC Chapter, Washington, DC, 10/92.

Education and practice: Strengthening the bond through research. Sigma Theta Tau, Seton Hall University, NJ, 5/93.

Issues in infection control in the long-term care settings. Gerontological Nursing: Clinical Challenges of the 90's. Sixth Annual Conference. Contemporary Forums, Washington DC, 6/93.

Lowbury Distinguished Lecture, Hospital Infections Society, London, 11/93.

AACN Distinguished Research Lecturer Award, Atlanta, GA, 5/94.

Interdisciplinary collaboration, Visiting Nurse Association of Morris County, NJ, 5/94.

Skin antisepsis, American Society for Parenteral and Enteral Nutrition, Miami, FL, 1/95.

Nursing and managed care. Business Officers of Nursing Schools Annual Meeting, Albuquerque, NM, 4/95.

Current trends in skin antisepsis. Minnesota APIC Annual Meeting, St. Paul, MN, 8/96.

Workshop on research methods. Alliance Health Systems, Louisville, KY, 11/96.

George Thornton Memorial Lecture, Waterbury Hospital (Yale Affiliate), Waterbury, CT, 6/98.

Elaine Larson State-of-the-Science Lectureship. How clean should we be? 28th Annual Educational Conference and International Meeting, APIC, Seattle, 6/01.

Visiting Professor, Medical Grand Rounds, "Innovations in Skin Antisepsis", Virginia Commonwealth University Medical Center, Department of Medicine, Richmond, VA, 1/02.

Visiting Professor and Grand Rounds, "Preventing nosocomial infections in the 21st century", Children's Hospital of New Jersey, Newark, 1/02.

Hand hygiene in home care and other healthcare settings. East Asian Conference on Infection Control and Prevention, Tokyo, Japan, 11/02.

Building a collaborative research program. University of Washington Health Sciences Center, Seattle (Sponsored by UW Office for Research), 4/03.

Pitfalls and pleasures of research partnerships. Center for Nursing Research, New York University Medical Center and NYU Division of Nursing, New York, NY, 5/03.

How clean should we be? Institute for Health Education and Capitol Region Alliance for Research and Research Utilization, Hartford Hospital, Hartford, CT, 10/03.

Staying Healthy: The role of antimicrobials in health care and home settings. University of Washington Office of Research, 5/05.

The role of antimicrobials and hygiene in health care and home settings. 23rd National Infection Control Conference, New Zealand Division of Infection Control Nurses, Palmerston, New Zealand, 8/04.

Building academic and clinical partnerships. Eighteenth Annual Excellence in Nursing Awards, NewYork-Presbyterian Hospital, New York, NY, 11/04.

Staying healthy: The role of antimicrobials in health care and home settings. University of Washington Health Sciences Center, 2/05.

Hygiene research in nursing. Visiting professor and Gallman Lecture, University of Texas at Austin, Austin, TX, 4/05.

State-of-the-Science, 2004: Time for a no excuses/no tolerance (NET) policy. Association of Professionals in Infection Control and Epidemiology, Baltimore, MD, 6/05.

Impact of hand hygiene on healthcare-associated infection rates. Jewish Hospital, Louisville, KY, 6/05.

Causal evidence of an association between hand hygiene and infections. East Jefferson Medical Center, Metairie, LA, 7/05.

State-of-the-Science in Infection Control. Grand Rounds, Memorial Sloan Kettering Cancer Center, Division of Infectious Diseases, New York, NY 9/05.

Issues and Answers in the Operating Room. 3M Canada, Toronto, Canada, 9/05.

Hand hygiene among professionals today. Hand Hygiene Consensus Building Workshop. Ministry of Health, Toronto, Canada, 3/06.

Impact of the nurse's work environment on patient safety. Brooklyn Nursing Partnership, Long Island, NY, 8/06.

WHO Initiative: Hand hygiene. Central Ohio APIC Educational Conference, Columbus, OH, 10/06.

Building bridges: Research in academic and clinical centers. National Nursing Research Roundtable, National Institutes of Health, Bethesda, MD, 3/07.

Ayliffe Lecture: Challenging behaviour, changing the culture. Infection Control Nurses' Association, Brighton, England, 9/07.

Challenging behavior, changing culture. 33rd Annual Educational Conference, Florida Professionals in Infection Control, Orlando, FL, 8/08.

Effective behavior change strategies. Ninth Congress, International Federation of Infection Control, Santiago, Chile, 10/08.

Hand hygiene: Efficacy and use patterns. Japanese Society for Environmental Infections. Yokohama, Japan, 2/09.

Getting the most out of your frontal lobe: What we don't know (or forget) might hurt us. SHEA Lectureship. San Diego, CA, 3/09.

Hand hygiene: More data, more tools. Ohio APIC Annual Meeting, Akron, OH, 4/2010.

Building bridges to research-based nursing practice. Marquette University, Milwaukee, WI, 5/2010.

Counting is driving us crazy. Steris Infection Control Forum, Farmington, PA, 5/10.

The changing role of infection preventionists. Fourth Annual Conference, Hong Kong Infection Control Nurses' Association, Hong Kong, 8/10.

Changing habits among healthcare workers to prevent healthcare-associated infections. Fifth International Congress of the Spanish Society of Preventive Medicine, Public Health and Hygiene. Gran Canaria, Spain, 5/11.

Assessing clinical and research evidence: Active surveillance as a case study. Ministry of Health, National Center for Infection Control, Tel Aviv, Israel, 7/11.

Breaking bad: The uses and misuses of embargoes in science and medical publishing. Rockefeller University, New York, NY, 9/11.

Changing habits among healthcare workers to prevent healthcare associated infection. Monash University Medical Centre, Melbourne, Australia and Gold Coast Health System, Southport Queensland, Australia, 5/12.

Edward H. Kass Lectureship, IDWeek, Co-sponsors: Infectious Disease Society of America, Society for Healthcare Epidemiologists of America, Pediatric Infectious Disease Society, HIC Medicine Association, San Diego, CA, 10/12.

The role of research in infection prevention practice. Thirteenth Brazilian Conference on Epidemiology and Infection Control, Santos, Brazil, 11/12.

Building bridges to the future with interdisciplinary teams. 25th Annual Conference, Eastern Nursing Research Society, Boston, MA, 4/13.

Hand hygiene over the decade: 2003-2013. Just Clean Your Hands Symposium, Public Health Ontario, Toronto, CA, 11/13.

Building professional competence in infection control. 6th International Infection Control Conference, Hong Kong Infection Control Nurses' Association, Hong Kong, 8/14.

The art of resubmission: Proposals and manuscripts. Robert Wood Johnson Faculty Nurse Scholars meeting, Miami, FL, 3/15.

Establishing a program of global initiatives for nursing education. Eastern Nursing Research Society, Washington DC, 4/15.

Challenges in implementing an electronic monitoring system for hand hygiene. Conference, "Disinfection, Sterilization and Antisepsis: Principles, Current Issues, New Research and New Technologies". APIC, Nashville, TN, 6/15.

Moving the clinical nursing research agenda forward in eastern and southern Africa. Nursing Research Summit, Columbia University Global Center, Nairobi, Kenya, 7/15.

Infection prevention and control issues in the United States. Membership Assembly, American Nurses' Association, Washington DC, 7/15.

Emerging communicable diseases and outbreaks: Lessons learned. 23rd National Evidence Based Practice Conference, University of Iowa Hospitals and Clinics, Iowa City, IA, 4/16.

Infection prevention research: An interdisciplinary approach. Pediatric Hematology/Oncology Nurses Education Symposium, Morgan Stanley Children's Hospital, New York, NY, 9/16.

Hand hygiene over the decades, successes and failures. Grand Rounds, Mount Sinai Beth Israel Medical Center, New York, NY, 12/16.

Publishing your data: Conception to publication. 44th Annual Conference, Association for Professionals in Infection Control and Epidemiology, Portland, OR, 6/17.

Bridges to the future with interdisciplinary research. Fourth International Conference on Prevention and Infection Control, International Consortium for Prevention and Infection Control, Geneva, Switzerland, 6/17.

Reactive to Proactive: Making Change Happen. Greater New York Chapter, Association for Professionals in Infection Control and Epidemiology Annual Conference, New York, NY, 10/17.

State of Nursing Research and Me. 13th Annual Nursing Research Conference: *The State of Nursing: Care and Science*. Meridian Ann May Center for Nursing, Farmingdale, NJ, 11/17.

Infection Prevention Research: An Interdisciplinary Approach. 30th Annual Rocky Mountain Research and Evidence-Based Symposium, Denver, CO, 4/18.

Jean Kelley Lectureship. One nurse's journey. University of Alabama Birmingham. Birmingham, AL, 6/18.

Nursing Research Forum. Collaborative clinical research to reduce infections. Memorial Sloan Kettering Cancer Center. New York, NY, 9/18.

Annual Nursing Research and Education Day. Research, evidence and practice: How do I fit in? Hospital for Special Surgery, New York, NY, 4/19.

Nurses' Week Keynote: Collaborative clinical research. The Mount Sinai Hospital, New York, NY, 5/19.

Ruth M Colket Dialogue and Discourse Series. Opportunities for interdisciplinary science: Solving complex problems together. University of Pennsylvania School of Nursing and Children's Hospital of Pennsylvania. Philadelphia, PA, 6/19.

Research, evidence and practice: How do I fit in? Tenth Annual NYP Nursing Research Symposium. New York-Presbyterian Health System, New York, NY, 11/19.

CONSULTING/BOARDS:

Consultant to establish an infection control program, St. Elizabeth's Hospital, Washington DC, 8-11/71.

Consultant for infectious diseases and epidemiology to Trauma Grant, Health Sciences Learning Resource Center, University of Washington, Seattle, WA., 9/77-9/78.

Consultant to Washington State Department of Social and Health Services and Centers for Disease Control to investigate an outbreak of gastroenteritis in Puerta Vallarta, Mexico, Spring 1980.

Consultant for quality assurance and research, Philadelphia Naval Hospital, Philadelphia, Pa., 12/84.

Consultant for handwashing agents, Purdue Frederick Company, Norwalk, CT., 1/85.

Advisory Board for research project, "Resource Utilization By AIDS Patients in the Acute Care Setting", sponsored by The Health Services Improvement Fund, Blue Cross-Blue Shield, New York, NY, 7/85-1/86.

Grant reviewer: Doctoral dissertation awards, Health Services Improvement Fund, New York City, 1/86; National Sigma Theta Tau awards, 1986-2004.

Consultant to set up nursing research positions, Keck Foundation and Columbia University, New York, 1986.

Advisory Panel, Glick and Lorwin, national handwashing education campaign, 1987-89.

Consultant in infection control. Visited government hospitals and conducted one-week course for 200 health care professionals. Ministry of Health, Singapore, 2/88.

Governing Council and Priorities and Planning Committee, American Academy of Nursing, 1988-89.

Board on Health Sciences Policy, Institute of Medicine, 1989-96.

Governing Council, Program Planning Committee, Institute of Medicine, 1990-92.

Consultant in infection control. Cayetano Heredia Hospital, Lima, Peru, 1/90.

Consultant for outbreak investigation and infection control. Maryland Department of Health and Mental Hygiene, 7/90.

Executive Committee, Institute of Medicine, 1991-92.

Consultant on AIDS in the healthcare setting, Ministry of Health, Ghana, 1/91.

Consultant, American Academy of Orthopedic Surgeons Subcommittee on Musculoskeletal Sepsis, 11/91.

Chair, Poster Review Committee: AJN National Conference on Medical-Surgical and Geriatric Nursing, New York, 5/92.

Board of Visitors, College of Health, Education and Human Resources, University of Scranton, Pennsylvania, 9/92-8/94.

Medical Advisory Board, Center for Corporate Health, Oakton, VA, 1993-97.

Co-Chair, Workshop on Comprehensive School Health Education, Institute of Medicine, Washington, DC, 5/93.

Board of Trustees, Johns Hopkins Program for International Education in Reproductive Health (JHPIEGO) Corporation, 1993-6.

Director, APIC Research Foundation, 1993.

Trustee, APIC Research Foundation, 1994-96

Member, Governing Council, Executive Committee, Institute of Medicine, 1996-9

Co-chair, Educational Articulation Committee, DC Consortium for Nursing Education and Practice, 1997-8

Member, National Advisory Committee, Breast Cancer Options: Outcomes and Preferences for Treatment in Older Women Nationwide Survey. Funded by AHCPR, 1995-98.

Advisory Panel on the Healthcare Continuum Model, Soap and Detergent Association, Washington DC, 1998.

Campaign Steering Committee and Strategic Planning Committee, Research Foundation for Prevention of Complications Associated with Health Care. Washington DC, 2001-2002.

Consultant, Advanced Practice Nurse Training Grant, Master of Nursing Infectious Disease Program, University of Washington (funded by Health Resources Services Administration), Seattle 9/01-6/06.

Report Review Committee, National Academy of Sciences, 2001-7.

Board of Directors, National Foundation for Infectious Diseases, Washington DC, 2001-2007. Secretary of Board, 2003-2007. Continuing Medical Education Committee, 2003-2007.

Expert Panel on Infection Control. Joint Commission on Accreditation of Healthcare Organizations, 1/03-1/04

Visiting Professor, University of Wisconsin Schools of Nursing, Medicine, and Hospital and Clinics, Madison, WI, 4/03.

WHO consultant for World Alliance for Patient Safety: hand hygiene and infection control. Geneva, Switzerland, 2004-09.

Steering Committee, Voluntary Reporting of Healthcare-Associated Infections, The National Quality Forum, Washington DC, 2006-7.

Task force to plan a research agenda for dental infection control. Organization for Safety and Asepsis Procedures (OSAP) and CDC, Washington DC, 2006.

Chair, Scientific Advisory Panel. Hand hygiene measurement consensus project. Joint Commission on Accreditation of Healthcare Organizations, 2006-7.

Board of Directors, International Nosocomial Infection Control Consortium (<http://www.inicc.org/eng/directores.php>), 2006-2010.

Expert Panel, International Scientific Forum on Home Hygiene. 3/07.

Member, Task Force on the Future of the Research-focused Doctorate. American Association of Colleges of Nursing, 2008-2010.

Chair, Committee on personal protective equipment for healthcare workers to prevent transmission of influenza and other viral respiratory infections. Institute of Medicine, Washington DC, 2010.

Member, Committee on Gulf War and Health: Treatment of Chronic Multisystem Illness. Institute of Medicine, 11/11-5/13.

Member, National Advisory Council, Robert Wood Johnson Nurse Faculty Scholars, 2012-2015.

Member, Workshop Planning Committee, Research Priorities to Inform Public Health and Medical Practice for Domestic Ebola Virus Disease, Institute of Medicine, 2014.

Member, Ebola Task Force, American Nurses Association/American Academy of Nursing, 2014.

Member, ANA/APIC Infection Prevention Working Group, 2015-

Consultant for infection prevention and control, Infection Prevention Department, Oregon Health Sciences University, and for PhD Program, OHSU School of Nursing, Portland, OR, 2/16.

Member, Global Advisory Panel on the Future of Nursing, Sigma Theta Tau International, North American Summit, Washington, DC, 2/16.

Presenter, 18th Biannual Meeting of WHO Collaborating Centres in Nursing and Midwifery, Glasgow, Scotland, 7/16.

Consultant for study design for hand hygiene compliance monitoring system test methods. ECRI Institute (<https://www.ecri.org>), 2017-18.

Regional Advisory Board, Heilbrunn Center, Rockefeller University, 2017-2019.

'Think Tank' to define vision for global infection prevention and control strategies. World Health Organization and Centers for Disease Control and Prevention, Geneva, Switzerland, June 2017.

Steering Committee, Standardized Hand Hygiene Training and Monitoring Project, NSF (National Sanitation Foundation) International, Ann Arbor, MI, 2017-

Expert Panel to create national hand hygiene standards. Leapfrog Group (<http://www.leapfroggroup.org/>). 5/18-present.

Visiting Scholar, Colket Chair Visiting Scholar Series, Children's Hospital of Pennsylvania, Philadelphia, 6/19.

Member, Board of Directors, Certification Board of Infection Control and Epidemiology, 2020-2022.

Consultant, Yale University School of Nursing for grant writing and research, 2/2020-present.

IRB Protocol Expert, Human Subjects Research Protection Program, Columbia University, 1/2020-present.

PEER REVIEW PANELS:

Editor, infection control issue, Topics in Clinical Nursing, Summer 1979.
Co-Editor, Patient outcomes issue, Journal of Nursing Quality Assurance, 2/91.

Reviewer of manuscripts and texts:

Journal of the American Medical Association, since 1983
Focus on Critical Care, 1985-92
RN Magazine, 1983-87
Nursing Research, since 1985
Milbank Memorial Fund Quarterly, since 1986
Annals of Internal Medicine, since 1988
Research in Nursing and Health, since 1988
Emerging Infectious Diseases, since 2000
ASM journals (J Clin Microbiol, Antimicro Agen Chemot), since 2002

Editorial Boards:

Research in Nursing and Health, 2020-
American Journal of Infection Control, 1981-1995; Senior Associate Editor, 1994-5; Editor in Chief, 1995-2019
Scholarly Inquiry for Nursing Practice, 1985-1994
Journal of Nursing Quality Assurance, 1986-92
Infection Control and Hospital Epidemiology, 1986-present; Section editor: Medical News, 1991-92.
Hospital Infection Control, 1988-1995
Heart and Lung, 1989-2011. Section editor: Issues in Infection, 1992-1995
American Journal of Critical Care, 1992-1995
Nursing Quality Connection, 1991-1994
Journal of Nursing Care Quality, 1992-1995
Clinical Performance and Quality Health Care, 1992-1995
Nursing Policy Forum, 1994-1995
Pfizer Guide, Nursing Career Opportunities, 1994-1995
Executive editorial advisory board, Journal of Infection and Public Health, 2008-present
Clinical Scholars Review, 2008-2010

Grant Review Board and Referee Panel for Health and Medical Research Fund (HMRF), Hong Kong, 2010-2017.

Expert Panel. Compendium of Strategies to Prevent HAIs in Acute Care Hospitals. Society for Epidemiologists of America, 2019-20.

Member, Bioethical Issues Committee, New York City Bar Association, 2019-

Consultant, Next Level Strategies, LLC, for hand hygiene, 2019-

Consultant, Procter and Gamble for household disinfection, 2019-

CONGRESSIONAL/GOVERNMENTAL ACTIVITIES:

Advisory Council to the Chief for Nursing Research, Nursing Department, Clinical Center, National Institutes of Health, Bethesda, Md., 9/81.

Expert witness for National League for Nursing, American Association of Colleges of Nursing, and American Nurses' Association before congressional committees for funding for nursing research and education: Senate Subcommittee on Labor and Human Resources, 4/84. House Appropriations Committee, 5/85.

Expert witness to Joint Economic Commission, U.S. Congress, on the role of Environmental Protection Agency in testing disinfectants, 7/86.

Expert reviewer, (for AIDS), Nursing Study Section, Division of Research Grants, NIH, 1987-88.

Conference on Research Priorities in Nursing Science, National Center for Nursing Research, 1/88.

Chair, Priority Expert Panel on HIV Infection. National Center for Nursing Research, 1988-89.

Expert Reviewer, Small Business Initiative Grants, Division of Research Grants, NIH, 3/89.

Panel member and Paper Presenter for National Invitational Workshop, "Nursing and the HIV Epidemic: A National Action Agenda". Washington DC: Department of Health and Human Services, 10/89.

Member of Study Section, AIDS and Related Research, Division of Research Grants, NIH - 9/1/90 - 6/30/92.

Focus Panel on Nosocomial Infections, Office of the Forum for Quality and Effectiveness in Health Care, Agency for Health Care Policy and Research, 2/92.

Reviewer, ANA Council of Nurse Researchers/Agency for Health Care Policy and Research Grantwriting Workshop, 12/92.

Member, Advisory Committee for Preventive Health, DC Commission of Public Health, 1993.

Testimony for AACN to House Appropriations Committee, 2/94.

Hospital Infection Control Practices Advisory Committee (HICPAC), Centers for Disease Control and Prevention (CDC), Atlanta, 1993-1996.

Chair, HICPAC, 1997-2000.

Member, Presidential Advisory Committee on Gulf War Veterans Illnesses, Washington, D.C.,

1995-7.

Testimony to House Committee on National Security regarding Gulf War Veterans Illnesses, 2/97.

Member, Board of Scientific Counselors, National Center for Infectious Diseases, CDC, Atlanta, 1997-2000.

Planning Committee, Second Annual Workshop on Antimicrobials, Environmental Protection Agency, Antimicrobials Division, 1998.

Presentation, Healthcare personnel use handwash to FDA Center for Drug Evaluation and Research, Nonprescription Drugs Advisory Committee, Bethesda, MD, 7/98.

Chair, Workshop to set nursing research agenda in emerging infections, National Institute of Nursing Research, NIH, 1999.

Member, Special Emphasis Panel to review grants, "Applied Research on Antimicrobial Resistance", CDC, Atlanta, 8/01 and 8/02.

Chair, Workshop, Increasing Nursing Research Opportunities in Biodefense, National Institute of Nursing Research, NIH, 5/02.

Ad Hoc Reviewer (for microbiologic and epidemiologic grants), National Institute of Nursing Research, NIH, 6/03.

Regional Translational Research Centers Working Group, National Institutes of Health, 7/04.

Reviewer, Prevention Epicenter Programs, CDC, National Center for Infectious Diseases, 7/04.

Grant Reviewer, U.S. Civilian Research and Development Foundation, Arlington, VA, 1/05.

Consultant, Non-Prescription Drug Advisory Committee, Food and Drug Administration, Washington, DC, 2-10/05.

Member, Steering Committee, Infectious Disease Epidemiology Training Program, CUMC, T32 AI49821-01, NIH, National Institute of Allergy and Infectious Diseases, 2001-2017.

Society of Fellows and Scholars, National Center on Minority Health and Health Disparities, NIH, 2006.

Member, Diseases, Disability, and Injury Prevention and Control Special Emphasis Panel: Antimicrobial Resistance, CDC, 5/06.

Peer review panel CI08-001, "Development, Implementation and Evaluation of Novel Strategies to Reduce Inappropriate Antimicrobial Use in Community and Healthcare Settings", CDC, 5/08.

Peer review panel, Children and Families Section, NINR, NIH, 6/08.

Workshop planner and presenter. "Non-pharmaceutical interventions to prevent transmission of influenza". CDC, 3/09.

Chair, Health Promotion Science Consultation workshop, NINR, NIH, 5/09.

Chair, Special Emphasis Panel ZCD1-HMS, Grants for Public Health Research Dissertation (R36, PAR-07-231), CDC, 11/09.

Member, National Advisory Council of Nursing Research, NIH, 1/1/2010-1/31/2014.

Member, Planning Committee, Bringing Science to Life: The Interdisciplinary Advantage. Clinical and Translational Science Awards and National Center for Research Resources, and National Institute of Nursing Research, NIH, Washington DC, 4/27/11.

Invitational Workshop, Big Data to Knowledge (BD2K) Workshop on Enhancing Training for Biomedical Big Data. NIH, Washington DC, 7/29-30/13.

Special Government Employee of the Nonprescription Drugs Advisory Committee, Food and Drug Administration, 2010-2019.

Member, Advisory Committee to the Director Working Group on Physician-Scientist Workforce. NIH, Bethesda, MD, 2014.

Member, Special Emphasis Panel Loan Repayment Program, National Institute of General Medical Sciences, 2014.

Key Informant, Environmental Cleaning for Healthcare Associated Infections, Evidence-based Practice Center and Health Technology Assessment Group, ECRI Institute, Agency for Healthcare Research and Quality, 2014.

Moderator, Call to Action: Nurses as Leaders in Disaster Preparedness and Response. Advancing and redefining communities for emergency management. Veterans Emergency Management Evaluation Center, US Dept of Veterans Affairs, Los Angeles, CA, Dec 2014.

Reviewer, Special Emphasis Panel, Small Business: Non-HIV Diagnostics, Food Safety, Sterilization/Disinfection, and Bioremediation, National Institutes of Health, 6/16.

Special Government Employees (SGEs) for the Center for Drug Evaluation and Research (CDER), Food and Drug Administration. 2014-present.

Working Group for Assistant Secretary for Preparedness and Response on Care of Emerging Infectious Diseases in the United States. MITRE's Office, McLean, VA, Nov 2016.

Special Emphasis Panel, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Centers for Disease Control and Prevention, March 2017.

Member, Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria, DHHS, Office of the Secretary, Federal Advisory Committee, 2018-2022.

Planning Committee, Sixth International Conference on Healthcare-Associated Infections, Centers for Disease Control and Prevention, Atlanta, GA, 2019-2020.

ACTIVITIES FOR THE NATIONAL ACADEMY OF SCIENCES/NATIONAL ACADEMY OF

MEDICINE (formerly Institute of Medicine)

Committee Service:

Planning Committee to Organize a Workshop on Research Priorities to Inform Public Health and Medical Practice for Domestic Ebola Virus Disease (EVD) (Member; 10/16/2014 -- 12/31/2014)
Committee on Gulf War and Health: Treatment of Chronic Multi-symptom Illness (Member; 10/19/2011 -- 3/1/2013)

Committee on Personal Protective Equipment for Healthcare Workers to Prevent Transmission of Pandemic Influenza and Other Viral Respiratory Infections: Current Research I (Chair; 12/21/2009 -- 12/31/2010)

Report Review Committee (Member; 7/1/2001 -- 6/30/2007)

Clinical Research Roundtable (Member; 6/1/2000 -- 5/31/2003)

Committee on Joint Medical/Engineering Approaches for Reducing Nosocomial Infection (Chair; 1/1/1997 -- 12/31/1998)

Council of the National Academy of Medicine (Member; 1/1/1996 -- 12/31/1998)

Executive Committee of the NAM Council (Member; 1/1/1998 -- 12/31/1998)

NAM Council Nominating Committee (Chair; 1/1/1998 -- 12/31/1998)

Committee on Comprehensive School Health Programs in Grades K-12 (Member; 11/21/1994 -- 5/30/1997)

Committee on Enhancing Environmental Health Content in Nursing Practice (Member; 3/16/1994 -- 11/30/1995)

Board on Health Sciences Policy (Member; 11/1/1989 -- 10/31/1995)

NAM Program Committee (Member; 1/1/1990 -- 12/31/1993)

Council of the National Academy of Medicine (Member; 1/1/1990 -- 12/31/1992)

Executive Committee of the NAM Council (Member; 1/1/1991 -- 12/31/1992)

Committee for the Study of Resources for Clinical Investigation (Member; 5/16/1988 -- 11/30/1988)

NAM Membership Committee (Member; 1/10/1987 -- 12/31/1987).

Report Reviews, Coordinator or Monitor:

Committee on the Examination of the Integration of Opioid and Infectious Disease Prevention Efforts in Selected Programs (Coordinator and Monitor) (2019)

Functional Assessment for Adults with Disabilities (Monitor) (2019)

Health Care Utilization as a Proxy in Disability Determination (Monitor) (2017)

The Drug Development Paradigm in Oncology (Coordinator) (2017)

Review of WIC Food Packages: Improving Balance and Choice (Monitor) (2016)

Review of WIC Food Packages : Proposed Criteria *for* Revisions: An Interim Report (Monitor) (2015)

Reducing Maternal and Neonatal Mortality in Indonesia: Saving Lives, Saving the Future (Monitor) (2013)

Countering the Problem of Falsified and Substandard Drugs (Monitor) (2012)

A Study of Food Safety and Other Consequences of Publishing Establishment-Specific Data (Monitor) (2011)

Relieving Pain in America :A Blueprint *for* Transforming Prevention, Treatment, and Research (Coordinator) (2011)

Ethical Issues in Studying the Safety of Approved Drugs: A Letter Report (Monitor) (2010)

Strategies to Reduce Sodium Intake in the United States (Coordinator) (2009}

School Meals: Building Blocks for Healthy Children (Coordinator) (2009)

The U.S. Commitment to Global Health: Recommendations *for* the Public and Private Sectors (Monitor) (2009)

The U.S. Commitment to Global Health (Monitor) (2008)

National Standards and Meal Requirements for National School Lunch and Breakfast Programs: Phase I. Proposed Approach for Recommending Revisions (Coordinator) (2008)

Treatment of Post Traumatic Stress Disorder: An Assessment of the Evidence (Monitor) (2007)

The Learning Healthcare System (Workshop Summary) (Monitor) (2006)

Gulf War and Health: Volume 5. Infectious Diseases (Monitor) (2006)

Posttraumatic Stress Disorder: Diagnosis and Assessment (Monitor) (2006)

Developing a National Registry of Pharmacologic and Biologic Clinical Trials: Workshop Report (Monitor) (2005)

Treating Infectious Diseases in a Microbial World: Report of Two Workshops on Novel Antimicrobial Therapeutics (Monitor) (2005)

Quarantine Stations at Ports of Entry: Protecting the Public's Health (Monitor) (2005)

WIC Food Packages: Time *for* a Change (Coordinator) (2005)

Firearms and Violence: A Critical Review (Monitor) (2003)

1st Annual Crossing the Quality Chasm Summit: A Focus on Communities (Monitor) (2004)

In the Nation's Compelling Interest: Ensuring Diversity in the Health Care Workforce (Monitor) (2003)

Review of the Centers for Disease Control and Prevention's Smallpox Vaccination Program Implementation: Letter Report 2 (Monitor) (2003)

Improving Birth Outcomes: Meeting the Challenge in the Developing World (Monitor) (2002)

Fostering Rapid Advances in Health Care: Learning from System Demonstrations (Coordinator) (2002)

Reducing Birth Defects in Developing Countries: Meeting the Challenge (Coordinator) (2001)

Guidance for the National Healthcare Disparities Report (Monitor) (2002)

When Children Die: Improving Palliative and End-of-Life Care *for* Children and Their Families (Monitor) (2002)

Deadly Lessons: Understanding Lethal School Violence (Monitor) (2002)

Unequal Treatment: Confronting Racial and Ethnic Disparities in Health Care (Monitor) (2001)

FUNDED STUDENT/FELLOW ADVISEMENT/SUPERVISION:

Science Mentor Programs:

Minority Science Program, NIH (Biomedical Research Support Grant), 1990-2, 9 interns

Summer Science Mentoring Program, New York Academy of Sciences, 2002-2007, 11 interns. Two interns went on to become Finalists in the Young Epidemiology Scholars Competition and win college scholarships

Health Research Training Program Summer Internship, New York City Department of Health and Mental Hygiene, 2005

Externally Funded Predoctoral Fellows/Trainees:

Wendy Cronin, MS, MT(ASCP):1989-91 (Johns Hopkins)
Carol O'Boyle, RN, MN: 1997-99 (Georgetown)
Susan Martin, RN, MSN: 2001-2003 (Columbia University School of Nursing)
Allison Aiello, MS: 2000-2003 (Columbia University)
Jeannie Cimiotti, MSN, 2001-2004 (Columbia University School of Nursing)

Amarilis Cespedes, MSN, 2005 (Columbia University Dept of Epidemiology)
 Janet Haas, MS, 2006 (Columbia University)
 Caitlin Brennan, MSN, 2006 (Columbia University School of Nursing)
 Michael Schlicher, 2007 (Univ of Washington School of Nursing)
 Ettie Lipner, 2008-10 (Columbia University Dept of Epidemiology)
 Tiffany Bright, 2008-10 (Columbia University School of Nursing)
 Nowai Keleeki, 2008-10 (Columbia University School of Nursing)
 Bianca Malcolm, 2008-9 (Columbia University Dept of Epidemiology)
 Dan Scanford, 2008-10 (Columbia University Computer Sciences)
 Ann Margaret Navarra, 2009-11 (Columbia University School of Nursing)
 Patti Grota, Summer Research Practicum, 2009 (U TX San Antonio)
 May Uchida 2011-12 (Columbia University School of Nursing)
 Laurie Conway 2011-12 (Columbia University School of Nursing)
 Kimberley Alvarez, 2012-14 (Columbia University Dept of Epidemiology)
 Catherine Crawford Cohen, 2013-14 (Columbia University School of Nursing and Biomedical Informatics)
 Yamnia Cortes, 2013-15 (Columbia University Dept of Epidemiology)
 Samantha Brown-Stonbraker, 2013-16 (Columbia University School of Nursing)
 Heidi Castillo Luft, 2014-17 (Columbia University School of Nursing)
 Sanifer Aliyu, 2014-16 (Columbia University School of Nursing, Jonas Scholar, Robert Wood Johnson Future of Nursing Scholar)
 Montana Befus, 2014-16 (Columbia University Dept of Epidemiology)
 Krystyna de Jacq, 2014-16 (Columbia University School of Nursing, Jonas Scholar)
 Mansi Agarwal (Columbia University Dept of Epidemiology) 2016-17
 Zainab Osakwe (Columbia University School of Nursing) 2016-17
 Shelia Vaidya, MPH, MPhil, 2015-17(Columbia University Dept of Epidemiology)
 Jiyoun Song, PhD 9/17- (Columbia University School of Nursing)

Jonas

Externally Funded Postdoctoral Fellows/Trainees:

Denise Korniewicz, RN, DNSc, 1987-89.
 Arlene Butz, RN, ScD, 1987-89.
 Laura Altobelli, RN, DrPH, 1988-90.
 Marilyn Fetter, RN, PhD, 1988-89.
 Lynn Baxendale, PhD, 1989-90.
 Barbara Goldrick, RN, PhD, 1990-92.
 Joan Turner, RN, PhD, 1991-93.
 E. Yoko Furuya, MD, 2004-6.
 Sarah Clock, PhD, 2008-10.
 Timothy Landers, PhD, 2008-10.
 Dan Eastman, PhD, 2009-11.
 Jennifer Horan, MD, PharmD, 2009-11.
 Benjamin Miko, MD, 2010-12.
 Christie Jeong, PhD, 2010-12

Ann Margaret Navarra, 2011-13
Stephanie Pouch, MD, 2012-14
Tanyka Smith, PhD, 2013-15
Mary Sullivan, PhD, 2013 (Connell Scholar, Mass Gen Hospital)
Amanda Hessels, PhD, 2014-16
Ana Kelly, PhD, 2015-17
Montina Befus, PhD, 2016-17
Jiyoun Song, PhD, 2017-2020

Faculty Trainees:

Kathleen Hickey, EdD. 2009-11, mentor for RWJ Nurse Faculty Scholar
Sameer Patel, MD, 2005-10, mentor for K award
Suma Sudheendran, MD, 2010-11, mentor for K award
Melissa Stockwell, MD, 2011-13, mentor for K award
Elizabeth Cohn, DNSc, 2012-14, mentor for RWJ Nurse Faculty Scholar
Robert Lucero, PhD, 2012-14, sponsor for NIH Loan Repayment Program
Timothy Landers, PhD, 2013-15, mentor for RWJ Nurse Faculty Scholar
Rebecca Schnall, PhD, 2013-15, sponsor for NIH Loan Repayment Program
Monika Pogorzelska, PhD, 2013-15, sponsor for NIH Loan Repayment Program
Prakash Satwani, MD, 2014-15, Leadership Training mentee

International scholars (independent study):

J.T. Eng Choo, RN and S.T. Seng RN, Singapore. Infection Control Advanced Methods, 4-7/90.
T.M. Krishnaveni, RN, MPH. Bangalore India. Research design, 5-8/90.
A. Akiwumi, RN, MA. Dean, University of Ghana School of Nursing, 10-11/91.
Ilana Livshiz-Riven, RN, PhD, 2013, Visiting Scholar, Ben Gurion University of the Negev, Israel.
Borghild Loyland, RN, PhD, 2013-15, Visiting Scholar, University of Oslo, Norway

SCHOLARSHIP AND RESEARCH SUMMARY:

My major areas of clinical research are in infection prevention and control, antimicrobial resistance, healthcare epidemiology, research ethics, and outcomes related to clinical nursing practice.

KEY WORDS:

Infection Control
Healthcare-Associated Infections
Applied Epidemiology
Nursing Research
Evidence-Based Practice
Antimicrobial Resistance
Research Ethics