

## CURRICULUM VITAE

**LEONARD ALAN MERMEL, D.O., Sc.M., A.M. (Hon.), FACP, FIDSA, FSHEA**

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### **EDUCATION**

**Undergraduate** Bachelor of Arts in Biology, University of Colorado, Boulder, CO, 7/74 - 5/78

**Medical School** Doctor of Osteopathy, University of Osteopathic Medicine and Health Sciences, Des Moines, IA, 6/80 - 6/84

**Other Advanced Degrees** Master of Science in Parasitology and Medical Entomology, Johns Hopkins University, School of Hygiene & Public Health, Baltimore, MD, 8/78 - 5/80

Masters Degree Thesis – Studies on Monoamine Oxidase Activity in the Schistosome Intermediate Host *Biomphalaria glabrata*

Master of Arts (Honorary), Brown University, Providence, RI, 5/98

### **POSTGRADUATE TRAINING**

**Rotating Internship** Phoenix General Hospital, 1925 Indian School Road, Phoenix, AZ, 7/84 - 6/85

**Internal Medicine Residency** St. Louis University Hospitals, 3635 Vista at Grand, St. Louis, MO 63110, 7/85 - 6/88

**Chief Medical Resident** St. Louis University Hospitals, 3635 Vista at Grand St. Louis, MO 63110, 7/87 - 6/88

**Infectious Disease Fellowship** University of Wisconsin Hospitals and Clinics, 600 Highland Avenue, Madison, WI 53792  
7/88 - 6/90

## POSTGRADUATE HONORS AND AWARDS

**School Scholarship** The Johns Hopkins University School of Hygiene and Public Health, 1978

**Post-Certified Scholarship** The Johns Hopkins University School of Hygiene and Public Health, 1979

**Delta Omega** Honorary Society in Public Health, 1980

**The Ralph A. Kinsella, Sr. Memorial Tribute Award** For outstanding qualities of work, leadership, and ability as a house staff officer, St. Louis University Hospitals, 1988

**Young Investigator Award** To recognize the work of young investigators whose contributions to the field of healthcare epidemiology has been exemplary. Society for Healthcare Epidemiology of America, 1997

**Teaching Award** Dean's Excellence in Teaching Award for BIO 282 & 351 Pathophysiology/Infectious Disease, The Warren Alpert Medical School of Brown University, 2002, 2003, 2004, 2007, 2012, 2017 (x2 preclinical and clinical course)

**Teaching Award** Chairman's Award for Outstanding Teaching, Department of Medicine, The Warren Alpert Medical School of Brown University, 2003

**Teaching Award** Infectious Disease Fellow's Recognition Award for Excellence in Teaching, The Warren Alpert Medical School of Brown University, 2004

**Certificate of Recognition** To recognize teaching efforts & dedication to the highest standards of teaching in BIOL 3653 IMS II: Microbiology/Infectious Diseases, The Warren Alpert Medical School of Brown University, 2010, 2017

**Mentor Scholar Award** To honor individuals who are recognized for their dedication and excellence in mentoring trainees in infection prevention and control, Society for Healthcare Epidemiology of America, 2014

**Milton W. Hamolsky Outstanding Physician Award** Given by the Rhode Island Hospital medical staff association to a physician who has made exceptional contributions to medicine, medical education and research; who has demonstrated leadership; and who has been an exemplary role model, 2016

<b>Senior Scholarship Award</b>	To recognize the work of an investigator/practitioner in infection prevention/healthcare epidemiology in practice for 15 years or more based on the breadth and quality of the nominee's contributions to infection prevention/healthcare epidemiology, Society for Healthcare Epidemiology of America, 2021
<b>Milton Hamolsky Lifetime Achievement Award</b>	This laureate award is given by the Rhode Island Chapter of the American College of Physicians in recognition of academic, clinical, research, and/or administrative excellence to a physician who epitomizes the attributes of the award's namesake, Dr. Milton Hamolsky. This individual should exemplify the College's mission "to enhance the quality and effectiveness of healthcare by fostering excellence and professionalism in the practice of medicine." 2021
<b>Activate Cohort</b>	New England Medical Innovation Center, 2022-2023
<b>1<sup>st</sup> Prize, IDEA Incubator Pitch Competition</b>	Organized by Infectious Diseases Society of America, ID Week, 2022

## **BOARD CERTIFICATION**

<b>Diplomate</b>	American Board of Examiners for Osteopathic Physicians and Surgeons, 7/1/85
<b>Diplomate</b>	American Board of Internal Medicine, 9/88
<b>Diplomate</b>	American Board of Internal Medicine, subspecialty of Infectious Disease, 11/90, 11/00, 12/10

## **STATE MEDICAL LICENSE**

<b>1985 - 1988</b>	Missouri
<b>1988 - 1991</b>	Wisconsin
<b>1991 - present</b>	Rhode Island

## **ACADEMIC APPOINTMENT**

<b>Clinical Instructor of Medicine</b>	University of Wisconsin School of Medicine, 7/90 - 6/91
<b>Assistant Professor of Medicine</b>	The Warren Alpert Medical School of Brown University, 8/91 – 5/97

<b>Associate Professor of Medicine</b>	The Warren Alpert Medical School of Brown University, 6/97 – 2/05
<b>Professor of Medicine</b>	The Warren Alpert Medical School of Brown University, 3/05 – Present
<b>Adjunct Clinical Professor of Pharmacy Practice</b>	University of Rhode Island College of Pharmacy, 3/14-12/15

**HOSPITAL APPOINTMENT**

<b>Attending Physician</b>	Division of Infectious Diseases, Department of Medicine, Rhode Island Hospital, 8/91 – Present
<b>Interim Division Director</b>	Division of Infectious Diseases, Rhode Island Hospital, 3/99
<b>Director</b>	Inpatient Infectious Diseases Service, Rhode Island Hospital, 1/02 –1/10
<b>Medical Director</b>	Department of Infection Control & Epidemiology, Rhode Island Hospital, 8/91 – Present
<b>Medical Director</b>	Department of Infection Control & Epidemiology, Brown University Health Hospital System, 9/21 – Present
<b>Consultant</b>	Women & Infants' Hospital of Rhode Island, 2/96 – Present
<b>Consultant</b>	IV Therapy Services, Rhode Island Hospital, 1/02 - Present
<b>Co-Chair</b>	Brown University Health Hospital-Associated Infection Council, 10/07-1/24
<b>Invited Member</b>	Quality Measurement Improvement Committee, Rhode Island Hospital, 1/11-12/12
<b>Invited Member</b>	Quality Oversight Committee, Rhode Island Hospital, 4/10-Present
<b>Invited Member</b>	Brown University Health Quality & Safety Council, 1/12-6/12; 4/16-Present
<b>Invited Member</b>	Brown University Health Quality IT Council, 2/16-1/20
<b>Invited Member</b>	Rhode Island Medical Executive Committee, 7/17-1/20
<b>Invited Member</b>	Brown University Health Care Transformation and Quality Steering Committee, 2/21-Present

## OTHER APPOINTMENTS AND COMMITTEES

### Visiting Faculty Position

<b>Visiting Professor</b>	University of Wisconsin Hospital & Clinics, Madison, WI, 6/01
<b>Visiting Professor</b>	Baystate Medical Center, Springfield, MA, 2/13
<b>Visiting Professor</b>	Dartmouth Hitchcock Medical Center, 3/15

### Scientific Meetings

<b>Invited Member</b>	Society for Healthcare Epidemiology of America Annual Meeting Planning Committee, 1996-1998
<b>Invited Member</b>	Society for Healthcare Epidemiology of America Annual Meeting Planning Committee Abstract Review Subcommittee, 1996-1998, 2015
<b>Invited Member</b>	Society for Healthcare Epidemiology of America Annual Meeting Planning Committee Exhibits Subcommittee, 1998
<b>Scientific Program Chair</b>	Society for Healthcare Epidemiology of America 7th Annual Scientific Meeting, 1997
<b>Chair-Elect</b>	American Society for Microbiology General Meeting, Division L, 1998
<b>Chair</b>	American Society for Microbiology General Meeting, Division L, 1999
<b>Invited Member</b>	Program Committee, Interscience Conference on Antimicrobial Agents and Chemotherapy, 1998-2000
<b>Invited Group Leader</b>	Poster Discussion Rounds on Public Health/Epidemiology, 43 <sup>rd</sup> Annual Meeting of the Infectious Diseases Society of America, San Francisco, CA, 2005
<b>Invited Abstract Reviewer</b>	European Congress of Clinical Microbiology and Infectious Diseases, 2008, 2009
<b>Invited Group Leader</b>	Professorial Poster Rounds on Intravascular Device-Related Infections, 19 <sup>th</sup> Annual Society of Healthcare Epidemiology Meeting, San Diego, CA, 2009
<b>Invited Group Leader</b>	Professorial Poster Rounds on Intravascular Infections, 5th Decennial International Conference on Nosocomial Infections, Centers for Disease Control, the National Foundation for Infectious Diseases, and the American Society for Microbiology, Atlanta, GA, 2010
<b>Medical Society Liaison</b>	First International Conference on Prevention and Infection Control, Geneva, Switzerland, 2011
<b>Abstract Reviewer</b>	First International Conference on Prevention and Infection Control, Geneva, Switzerland, 2011

**Invited Group Leader** Poster Discussion Rounds on Devices in Critical Care, ID Week, San Francisco, CA, 2013

### **State Assignments / Committees**

**Invited Member** Rhode Island Department of Health Panel for Evaluating HIV/HBV Infected Health Care Workers, 1993

**Invited Member** Rhode Island Department of Health Tuberculosis Advisory Committee, 1994

**Invited Member** Rhode Island Department of Health Emerging Pathogens Advisory Committee, 1995

**Invited Member** Rhode Island Department of Health Ad Hoc Committee on Meningococcal Meningitis, 1997

**Invited Subcontractor** Center for Biodefense & Emerging Pathogens at Memorial Hospital of RI and Rhode Island Department of Health, 2002-2009

**Invited Member** Rhode Island Department of Health Influenza Advisory Committee, 2004

**Invited Member** Rhode Island Department of Health Infectious Disease and Epidemiology Advisory Committee, 2008-2018

**Invited Co-Chair** Rhode Island Department of Health Hospital-Acquired Infections and Prevention Public Reporting Advisory Subcommittee, 2008-Present

**Invited Co-Chair** Rhode Island Department of Health Hospital-Acquired Infections Workgroup Collaborative, 2010

### **National Assignments / Committees**

**Invited Reviewer** Public Health Service, Dept. Health & Human Services, Centers for Disease Control & Prevention Guidelines for Prevention of Intravascular Device-Related Infections, 1995

**Invited Reviewer** National Nosocomial Infection Surveillance System Risk Factors for Nosocomial Bloodstream Infection, Centers for Disease Control & Prevention, 1996

**Scientific Advisory Committee** International Networks for the Study and Prevention of Emerging Antimicrobial Resistance, Centers for Disease Control & Prevention, 1998

**Invited Consultant** Anti-Infective Drug Products Advisory Committee, Center for Drug Evaluation & Research, Food & Drug Administration, 1998

**Special Government Employee** Anti-Infective Drug Products Advisory Committee, Center for Drug Evaluation & Research, Food & Drug Administration, 9/99-6/04

<b>Invited Member</b>	Technical Expert Panel, Medicare Patient Safety Monitoring System, US Department of Health and Human Services, 2001-2008
<b>Invited Participant</b>	Centers for Medicare & Medicaid Services Quality Improvement Group Inpatient Workshop, 2005
<b>Invited Member</b>	Technical Advisory Panel for Intravascular Catheter and Bloodstream Infections, National Voluntary Consensus Standards for the Reporting of Healthcare-associated Infection Data, National Quality Forum, 2006
<b>Invited Reviewer</b>	Report on Personal Protective Equipment for Healthcare Workers During an Influenza Pandemic, Institute of Medicine, National Academy of Sciences, 2007
<b>Invited Reviewer</b>	2009 JCAHO National Patient Safety Goals, 2008
<b>Project Leadership Team Member</b>	Assessment of Novel Strategies for Preventing Bloodstream Infection in Patients Undergoing Hemodialysis. Project funded by Agency for Healthcare Research and Quality, 2010
<b>Invited Member, SHEA and IDSA Representative</b>	JCAHO Central Line Associated Bloodstream Prevention Monograph Technical Advisory Panel, 2010-2013
<b>Invited Member, Delphi Project</b>	NIH/National Heart, Lung and Blood Institute-sponsored committee; A Multifaceted Intervention to Reduce Ventilator-Associated Pneumonia in the ICU - Identifying Interventions and Measures for the VAP Prevention Bundle, 2011
<b>Invited Member</b>	Department of Health and Human Services' Partnerships for Patients Initiative, Implementation Support Package Development for CLABSI Workgroup, 2012
<b>Invited Participant</b>	Forum on Next Generation Microbiological Surface and Air Requirements for Space Flight, NASA, Johnson Space Center, 2/13
<b>Invited Expert Panel Member</b>	Public Workshop: Clinical Development of Drugs for the Prevention of Serious Infections Caused by Staphylococcus aureus in the Health Care Setting. Office of Antimicrobial Products, Food & Drug Administration, 9/14
<b>Clinical Advisor to The Joint Commission</b>	Adaptation and Dissemination of Infection Prevention and Control Guidelines to Prevent Healthcare Associated Ebola and Other Infections in Outpatient Settings, CDC Safety and Healthcare Epidemiology Prevention Research Development Task Order Contract #200-2011-4201, 2015

<b>Clinical Advisor to American Hospital Association</b>	Health Research and Educational Trust of the American Hospital Association Contract with CDC Engaging Partners in Infection Prevention and Control in Acute Care Hospitals, 2015
<b>Invited Panelist &amp; Lecturer</b>	From Watersheds to Shower Heads: A Workshop on Legionella Research and Policy, Emory University & Alfred P. Sloan Foundation, 2016
<b>Invited Expert Panel Member</b>	C. difficile Infection Risk Adjustment Expert Group, Division of Healthcare Quality Promotion, CDC, 2016
<b>Invited Expert Panel Member</b>	ASM-CDC Rapid Diagnostics in Bloodstream Infections Bloodstream Infection, Laboratory Medicine Best Practice Guideline Writing Group, 2017
<b>Invited Panel Member</b>	Venous Access: National Guideline and Registry Development, FDA Medical Device Epidemiology Network, 2017
<b>UpToDate</b>	Peer Reviewer, 2018-2019
<b>Invited Member</b>	Technical Expert Panel for reducing hospital-onset bacteremia and fungemia, National Quality Forum, 2024
<b>Invited Reviewer</b>	American Society of Microbiology Bloodstream Infections Guideline, 2024
<b>Subject Matter Expert</b>	Agency for Healthcare Research and Quality (AHRQ) Safety Program for Hospital Associated Infection (HAI) Prevention, 2024-2028

#### **International Assignments / Committees**

<b>Study Group Member</b>	European Society for Clinical Microbiology and Infectious Diseases Study Group on Nosocomial Infections, 1998-1999
<b>Invited Grant Reviewer</b>	Swiss National Science Foundation, 1999-Present
<b>Invited Grant Reviewer</b>	Health Research Board, Ireland, 2006
<b>Invited Grant Reviewer</b>	Federal Ministry for Education and Research, Germany, 2011
<b>Invited Member</b>	International Expert Committee on Infection Prevention & Control, Ministry of Health, Israel, 2013
<b>Invited Grant Reviewer</b>	The Netherlands Organisation of Health, Research and Development, 2015; 2023
<b>Invited Grant Reviewer</b>	National Institute for Health Research, National Health Service, United Kingdom, 2016



**Invited Guideline Development Group Member** World Health Organization (WHO), Prevention of bloodstream infections (BSI) and other infections associated with peripheral intravascular catheters, 2023

**Invited Board Member** International Nosocomial Infection Control Consortium Foundation, 2023

**Invited Guideline Development Group Member** World Health Organization (WHO), Prevention of bloodstream infections (BSI) associated with use of central venous catheters, 2024

**Invited Grant Reviewer** National Institute for Health and Care Research, Department of Health & Social Care, United Kingdom, 2024

#### **US Funding Agency Assignments**

**Invited Grant Reviewer** Thrasher Research Foundation, 2014

#### **American Board of Internal Medicine**

**Invited Contributor** American Board of Internal Medicine Infectious Diseases Subspecialty Recertification Examination, 1994

#### **Cochrane Library Database of Systematic Reviews**

**Invited Peer Referee** Cochrane Anaesthesia Review Group, 2003 & 2005

#### **Medical Society Assignments / Committees**

**Alternate State Liaison for Rhode Island** Society for Healthcare Epidemiology of America, 1995-1998

**Invited Member** Media Spokesperson, Infectious Diseases Society of America, 1999-Present

**Invited Member** Guideline Committee on Treatment of Intravascular Catheter-Related Infections, Society for Critical Care Medicine, Infectious Diseases Society of America, Society for Healthcare Epidemiology of America, 1998-2001

<b>Invited Member</b>	Guideline Committee on Prevention of Intravascular Catheter-Related Infections, Society for Critical Care Medicine, the Infectious Diseases Society of America, and the Hospital Infection Control Advisory Committee to the Centers for Disease Control & Prevention, 2000-2002
<b>SHEA Board Liaison</b>	Infectious Diseases Society of America Committee on Management of Catheter-Related Bloodstream Infections, 1999
<b>Invited Member</b>	Society for Healthcare Epidemiology of America CME Committee, 2000-2003
<b>Board Committee Chair</b>	Society for Healthcare Epidemiology of America External Affairs Committee, 2000-2003
<b>Ex-Officio Member</b>	Society for Healthcare Epidemiology of America External Affairs Committee, 2003-2009
<b>Ex-Officio Member</b>	Society for Healthcare Epidemiology of America Education Committee, 2000-2003
<b>Invited Advisor</b>	Infectious Diseases Society of America Council, 2001
<b>SHEA Board Liaison</b>	Society for Healthcare Epidemiology of America External Affairs Committee, 2003-2006
<b>Course Co-Director</b>	Society for Healthcare Epidemiology of America /Infectious Diseases Society of America Annual Fellow’s Course in Infection Control & Hospital Epidemiology, Baltimore, 2004-Present
<b>SHEA Board Liaison</b>	Society for Healthcare Epidemiology of America Nominations Committee, 2006
<b>SHEA Board Liaison</b>	Infectious Diseases Society of America Board of Directors, 2006
<b>SHEA Liaison</b>	Infectious Diseases Society of America Pandemic Influenza Taskforce, 2006
<b>Co-Lead Section Author</b>	SHEA/IDSA Compendium of Strategies to Prevent Healthcare-Associated Infections in Acute Care Hospitals, 2006-8
<b>Team Member</b>	Society for Healthcare Epidemiology of America / Association for Practitioners in Infection Control and Epidemiology Communication Network, 2006-2008
<b>Chair</b>	Infectious Diseases Society of America Guidelines Writing Group – Management of Intravascular Catheter-Related Infections, 2006-2009
<b>Invited Member</b>	Institute for Healthcare Improvement MRSA Expert Panel, 2006
<b>Invited Member</b>	Society for Healthcare Epidemiology of America Nominations Committee, 2007-2009

<b>Chair</b>	Society for Healthcare Epidemiology of America Nominations Committee, 2008
<b>Invited Selection Committee Member</b>	Society for Healthcare Epidemiology of America International Ambassador Program, 2008, 2009
<b>Invited Member</b>	Society for Healthcare Epidemiology of America Past President's Council, 2008-Present
<b>Invited Member</b>	Institute for Healthcare Improvement California Healthcare-Associated Infection Prevention Initiative Expert Panel, 2008
<b>Invited Member</b>	Renal Physicians Association Position Paper Writing Group for Use of Catheter Lock Solutions for Hemodialysis Patients, 2009
<b>Member</b>	Society for Healthcare Epidemiology of America Research Network, 2010
<b>Invited Member</b>	SHEA/CDC HAI Regional Trainings Planning Committee, 2010-2011
<b>Applied Course Coordinator</b>	European Society for Clinical Microbiology & Infectious Diseases (ESCMID) / SHEA Training Course in Hospital Epidemiology, 2011-Present
<b>Co-Lead Section Author</b>	SHEA/IDSA Compendium II of Strategies to Prevent Healthcare-Associated Infections in Acute Care Hospitals, 2012 - Present
<b>Member</b>	International Society for Chemotherapy Infection Control Working Group, 2013-Present
<b>Member</b>	SHEA Research Network, 2013-Present
<b>Scientific Advisor</b>	Kidney Health Initiative, Clinical Trial Endpoints for Dialysis Vascular Access Catheter Content Development Team, American Society of Nephrology, 2015-2016
<b>Invited Member</b>	Infectious Diseases Society of America Guidelines Writing Group – Management of Intravascular Catheter-Related Infections, 2015-2019
<b>Co-Lead Section Author</b>	SHEA/IDSA Compendium III of Strategies to Prevent Healthcare-Associated Infections in Acute Care Hospitals, 2019 - 2022

### **National & International Medical Courses**

<b>Co-Course Director</b>	Fellows Course in Hospital Epidemiology and Infection Control, 2005-Present
<b>Applied Course Coordinator</b>	European Society for Clinical Microbiology & Infectious Diseases (ESCMID) / SHEA Training Course in Hospital Epidemiology, 2011-2014

### **Data Safety Monitoring Board & Adjudication Committees**

<b>Safety Board Member</b>	Fecal Microbiota Transplantation for Recurrent or Refractory <i>C. difficile</i> Infection, 2013-2018
<b>Adjudication Committee Member</b>	Venous Site for Central Catheterization (3SITES), 2013-2015

### **Journal Assignments / Committees**

<b>Invited Co-Editor</b>	Intravascular Catheter Related Infections, <u>Nutrition</u> (supplement issue), 1997
<b>Editorial Board</b>	American Journal of Infection Control, 1997-2000
<b>Editorial Board</b>	Infection, 2006-2014
<b>Editorial Board</b>	Virulence, 2013-2016
<b>Advisory Board</b>	Clinical Microbiology & Infection, 2002-2003
<b>Editorial Advisory Board</b>	Infection Control and Hospital Epidemiology, 2004-Present
<b>Senior Editor</b>	Antimicrobial Resistance and Infection Control, 2011-2017
<b>Editorial Board</b>	Antimicrobial Resistance and Infection Control, 2018
<b>Invited Sentinel Reader</b>	ACP Journal Club (American College of Physicians), 2002-2008
<b>Ad-Hoc Manuscript Reviewer</b>	American Journal of Infection Control American Journal of Medicine American Journal of Respiratory and Critical Care Medicine Annals of the American Thoracic Society Annals of Internal Medicine Annals of Surgery Antimicrobial Agents and Chemotherapy Antimicrobial Resistance and Infection Control

Archives of Internal Medicine  
BMC Anesthesiology  
BMC Infectious Diseases  
BMJ Open  
British Medical Journal  
Brown Hospital Medicine  
Clinical Infectious Diseases  
Clinical Microbiology & Infection  
Clinical Neurology and Neurosurgery  
Critical Care Medicine  
Emerging Infectious Diseases  
European Journal of Clinical Microbiology & Infectious Diseases  
Folia Microbiologica  
Infection  
Infection Control and Hospital Epidemiology  
Intensive Care Medicine  
Interdisciplinary Neurosurgery: Advanced Techniques and Case Management  
International Journal of Epidemiology  
JAMA Network Open  
JAMA Pediatrics  
Journal of the American Medical Association  
Journal of Clinical Microbiology  
Journal of Infectious Diseases  
Lancet  
Mayo Clinic Proceedings  
Microgravity  
Nature Climate Change  
Nature Clinical Practice Cardiovascular Medicine  
New England Journal of Medicine  
NPJ Microgravity  
Pediatrics

Scandinavian Journal of Infectious Diseases  
Science  
The Advisory

## **HOSPITAL & BROWN UNIVERSITY HEALTH COMMITTEES**

<b>Chair</b>	Infection Control Committee, Rhode Island Hospital, 1992–Present
<b>Chair</b>	Medical Records Committee, Rhode Island Hospital, 1996–1998
<b>Member</b>	Department of Medicine Residency Curriculum Committee, 1993–1999
<b>Member</b>	Department of Medicine Residency Recruitment Committee, 1993–1999
<b>Faculty Advisor</b>	Department of Medicine Residency Program, 1992–2004
<b>Member</b>	Visiting Nurses Association of Rhode Island, Infection Control Committee, 1993–1997
<b>Member</b>	Visiting Nurses Association of Rhode Island, Medical Advisory Committee, 1996-1997
<b>Elected Member</b>	Board of Directors, University Medical Foundation, 1999-2000, 2001-2003
<b>Member</b>	Physician Committee on Clinical Improvement, 1999–2001
<b>Member</b>	Antibiotic Subcommittee, Pharmacy & Therapeutics Committee, 1998-Present
<b>Member</b>	Immunization Task Force, 1998-2004
<b>Member</b>	Brown University Health Developmental Grant Reviewer, 2000-2001
<b>Search Committee Member</b>	Infectious Disease Division Faculty Position, 2000, 2002, 2008
<b>Search Committee Member</b>	Microbiology Laboratory Director, 2002, 2024
<b>Search Committee Member</b>	Pediatric Infectious Disease Division Faculty Position, 2013
<b>Member</b>	Dept. of Medicine Pharmaceutical Relationship Policy Committee, 2002
<b>Smallpox Vaccination DOH-Hospital Liaison</b>	Rhode Island Hospital, 2003
<b>Member</b>	Infectious Diseases Division Clinical Collections Committee, 2006

<b>Member</b>	University Medical Foundation Clinical Operations Strategic Committee, 2006
<b>Member</b>	Vaccination Improvement Team, 2006-2007
<b>Member</b>	Brown University Health Emergency Preparedness Council, 2006-2007
<b>Co-Chair</b>	Brown University Health Hospital-Acquired Infection Council, 2007-2023
<b>Member</b>	Rhode Island Hospital Quality Monitoring and Improvement Committee, 2009-Present
<b>Judge</b>	Dept. of Medicine Senior Resident Research Day Poster Presentations, 2009, 2010
<b>Member</b>	Rhode Island Hospital Quality Oversight Committee, 2010-2018
<b>Member</b>	Brown University Health Quality and Safety Committee, 2012-Present
<b>Member</b>	Internal Medicine Resident Selection Committee, 2012-Present
<b>Co-Leader</b>	Hasbro Hospital-Associated Infection Team, Ohio Children’s Hospital’s Solution for Patient Safety National Children’s Network, 2013
<b>Member</b>	Brown University Health Quality IT Council, 2016-2020
<b>Member</b>	Nominating Committee “Service to the Hospital Award”, Rhode Island Hospital, 2018

### UNIVERSITY COMMITTEES

<b>Member</b>	MS Thesis Committee (University of Rhode Island), Roy Polonio, 2000
<b>Member</b>	Review Committee of the Competency-Based Curriculum MD 2000 (Delphi survey), 1993
<b>Member</b>	Infectious Diseases Fellowship Educational Committee, 1999-2005
<b>Member</b>	Armand D. Versaci Research Scholar in Surgical Sciences Award Committee, 2000-2007
<b>Member</b>	Pandemic Influenza Preparedness Taskforce, 2005
<b>Member</b>	PhD Thesis Committee, Elejdis Kulla, 2008
<b>Member</b>	MMSc Thesis Committee, Manuel Lam, 2009
<b>Member</b>	PhD Thesis Committee, Stephanie Angione, 2011
<b>Member</b>	Committee on Clinical Appointments and Promotions, Department of Medicine, 2011-2014
<b>Member</b>	Brown University Institutional Biosafety Committee, 2011-2012
<b>Second Reader</b>	Brown University Honors in the Biological Sciences Thesis, David Deckey, 2015

**Thesis Advisor** MPH Thesis, Brown University School of Public Health, Kori Otero, 2018

## MEMBERSHIP IN SOCIETIES

<b>Academic Councilor</b>	Society for Healthcare Epidemiology of America Board of Directors, 1998-1999
<b>Vice President</b>	Society for Healthcare Epidemiology of America, 2003
<b>President-Elect</b>	Society for Healthcare Epidemiology of America, 2004
<b>President</b>	Society for Healthcare Epidemiology of America, 2005
<b>Immediate Past-President</b>	Society for Healthcare Epidemiology of America, 2006
<b>Fellow</b>	Society for Healthcare Epidemiology of America
<b>Fellow</b>	American College of Physicians
<b>Fellow</b>	Infectious Diseases Society of America
<b>Member</b>	Delta Omega, The Honorary Public Health Society
<b>Member</b>	The Alliance for the Prudent Use of Antibiotics
<b>Member</b>	National Association of Children's Hospitals and Related Institutions, Pediatric Prevention Network

## PATENT

U.S. Patent 9,234,248 Simultaneous Quantitative Multiple Primer Detection of *Clostridium difficile* Serial No. 13/384,446 PCT Patent Application Serial No. PCT/US10/42121

New National Phase U.S. Application No. 17/262,130 UV Light Disinfection and Cleaning of Narrow Tub Lumens

International Patent Application No. PCT/US19/43495

European Patent No. 3826563

## ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Mermel L, Guchhait RB, Bourgeois JG, Bueding E.** Biogenic amine metabolism in *Biomphalaria glabrata* II. Monoamine oxidase activity. **Comp Biochem Physiol** 69C:227-234, 1981.
2. **Mermel L, Kabadi U, Doro J.** Acute psychosis in a patient receiving trimethoprim-sulfamethoxazole intravenously. **J Clin Psychiatry** 47:269-270, 1986.



3. **Mermel LA, Osborn TG.** *Clostridium difficile* associated reactive arthritis in an HLA-B27 positive female: Report and review. **J Rheumatol** 16:133-135, 1989.
4. **Mermel LA.** Cutaneous leishmaniasis-chiclero ulcer in a Wisconsin native. **J Am Acad Dermatol** 23:1178-1179, 1990.
5. **Mermel LA, McCormick RD, Springman SR, Maki DG.** The pathogenesis and epidemiology of catheter-related infection with pulmonary artery Swan-Ganz catheters. A prospective study utilizing molecular subtyping. **Am J Med** 91:197S-205S, 1991.
6. **Mermel LA, Spiegel CA.** Nosocomial *Serratia odorifera* biovar 1 sepsis. **Clin Infect Dis** 14:208-210, 1992.
7. **Mermel LA, Stolz S, Maki DG.** Surface antimicrobial activity of heparin-bonded and antiseptic-impregnated vascular catheters. **J Infect Dis** 167:920-924, 1993.
8. **Mermel LA, Maki DG.** Detection of bacteremia in adults. Consequences of culturing an inadequate volume of blood. **Ann Intern Med** 119:270-272, 1993.
9. **Maki DG, Stolz SM, Wheeler S, Mermel LA.** I. A prospective, randomized trial of gauze and two polyurethane dressings for site care of pulmonary artery catheters. II. Implications for catheter management. **Crit Care Med** 22:1729-1737, 1994.
10. **Mermel LA, Josephson SL, Giorgio C.** A pseudo-epidemic involving bone allografts. **Infect Control Hosp Epidemiol** 15:757-758, 1994.
11. **Thorisdottir AS, Carias LL, Marshall SH, Green M, Zervos MJ, Giorgio C, Mermel LA, Boyce JM, Medeiros AA, Fraimow H, Rice LB.** IS6770, an enterococcal insertion-like sequence useful for determining the clonal relationship of clinical enterococcal isolates. **J Infect Dis** 170:1539-1548, 1994.
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69. **Ben-David DH, Parenteau S, Monti S, Hashemi S, Cifelli B, Dempsey J, Mermel L.** Clonal MRSA spread in a burn unit despite reverse isolation and active surveillance. **Program and Abstracts of the 43rd Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago, IL, September 2003.\***
70. **Martin T, Mileno M, Mermel LA.** West nile virus encephalitis in two patients with non-hodgkins lymphoma. **Program and Abstracts of the 52<sup>nd</sup> American Society of Tropical Medicine and Hygiene Annual Meeting, Philadelphia, PA, December 2003.**
71. **Bright R, Mermel LA, Richards C, Yoder D.** Mechanical and allergic adverse events related to central vascular catheters: Epidemiology in the medicare hospitalized surgical population, 2002. **Program of the 9<sup>th</sup> International Society for Pharmacoepidemiology and Outcomes Research.** Arlington, VA, May 2004 and **The 13th Annual Meeting of the Society for Healthcare Epidemiology, Philadelphia, PA, April 2004.** Value in Health 2004; 7:331-332.
72. **Ben-David D, Parenteau S, Dempsey J, Mermel LA.** The impact of hospital-wide active surveillance on the incidence of nosocomial MRSA infections in an endemic setting. **The 13th Annual Meeting of the Society for Healthcare Epidemiology, Philadelphia, PA, April 2004.\***
73. **Lonsway DR, Patel JB, Yap RL, Mermel LA, Tenover FC.** Problem with accuracy of disk diffusion results for extended-spectrum cephalosporins with viridans group

streptococci. **Program of the 104th Annual Meeting of the American Society for Microbiology, New Orleans, LA, May 2004.**

74. **Maki DG, Mermel L, McCormick R, Friedland DH, and the MBI 226 Study Group.** Prospective, randomized, investigator-blinded multi-center trial of a novel, topical cationic antimicrobial peptide for prevention of vascular catheter-related infection. **Program and Abstracts of the 44th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, October 2004.\***
75. **Ben-David D, Reinert S, Simundson S, Florio J, Mermel L.** The impact of methicillin resistance on length of stay and hospital cost in patients with nosocomial *Staphylococcus aureus* bloodstream infections. **Program and Abstracts of the 44th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, October 2004.\***
76. **Ben-David D, Sanchez M, Mermel LA, and the RI MRSA Task Force.** Implementing hospital-wide active surveillance for Methicillin-resistant *Staphylococcus aureus* (MRSA) in Rhode Island hospitals. **The 14th Annual Meeting of the Society for Healthcare Epidemiology, Los Angeles, CA, April 2005.**
77. **Kang L, Mermel L, Trafton PG.** Contaminated autogenous bone during orthopaedic trauma surgery. **The 14th Annual Meeting of the Society for Healthcare Epidemiology, Los Angeles, CA, April 2005.**
78. **Mermel LA, Jefferson JA, Monti SA, Parenteau SL, Blanchard KA, Cifelli B, Ben-David D, Hyde M, Motta E, Fortes C.** The impact of hospital-wide active surveillance of adult high-risk patients on the incidence of nosocomial MRSA infections. **The 14th Annual Meeting of the Society for Healthcare Epidemiology, Los Angeles, CA, April 2005. \***
79. **Mermel LA, Ben-David DH, Jefferson JA, Parenteau SL, Hyde M, Fortes C.** Hand hygiene compliance monitoring in a university-affiliated hospital. **The 14th Annual Meeting of the Society for Healthcare Epidemiology, Los Angeles, CA, April 2005.**
80. **Jefferson J, Mermel L, Ben-David D, Parenteau S, Monti S, Hyde M.** Monitoring hand hygiene compliance in a university-affiliated medical center. **The 32<sup>nd</sup> Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, Baltimore, MD, June 2005. Am J Infect Control 2005;33:e147-148.**
81. **Monti S, Jefferson J, Mermel L, Parenteau S, Kenyon S, Cifelli B.** Use of failure mode and effect analysis to improve active surveillance for MRSA at a university-affiliated medical center. **The 32<sup>nd</sup> Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, Baltimore, MD, June 2005. Am J Infect Control 2005;33:e158.**
82. **Plunket-Mason J, Sidman R, Jay G, Mermel L.** Prevalence of methicillin-resistant *Staphylococcus aureus* among emergency department healthcare workers. **Annual Meeting of the American College of Emergency Physicians, Washington, DC, September 2005. Ann Emerg Med 2005;46:S15-S16.**
83. **Ostrowsky B, Fauerbach L, Arias K, Mermel L, Dembry L, Fishman N, Mucha A, Graham D, Perl T, and the SHEA/APIC Communications Network Team.** A collaborative SHEA/APIC infection control and prevention/healthcare epidemiology

network: Taking a “pulse” on important issues. **The 15th Annual Meeting of the Society for Healthcare Epidemiology, Chicago, IL, March 2006.**

84. **Fauerbach L, Ostrowsky B, Arias K, Mermel L, Dembry L, Fishman N, Mucha A, Graham D, Perl T, and the SHEA/APIC Communications Network Team.** A collaborative APIC/SHEA infection control and prevention/healthcare epidemiology network: Taking a “pulse” on important issues. **The 33<sup>rd</sup> Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, Tampa, FL, June 2006.**
85. **LaPlante KL, Mermel LA.** Activity of daptomycin and vancomycin on staphylococcal biofilms in a catheter model system. **Program and Abstracts of the 46th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA, October 2006.**
86. **Mermel L, Lonks J, Gordon S, Perl T, Fadem S, Muralidhar A, Dacus D, Eells S, Maxey GE, Cartony J, Morse D, Wood M, Jacobson C, Mach P.** A quantitative analysis of clinical nasal swab samples testing positive for methicillin-resistant *Staphylococcus aureus*. **The 17<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases and the 25<sup>th</sup> International Congress of Chemotherapy, Munich, Germany, March 2007. Int J Antimicrob Agents 2007;29:s368.**
87. **Wright SB, Ostrowsky B, Fishman N, Leon VM, Mucha AC, Mermel L, Perl TM.** Hospital epidemiology and infection control roles expanding despite limited resources and compensation. **The 17th Annual Meeting of the Society for Healthcare Epidemiology, Baltimore, MD, April 2007**
88. **Ostrowsky B, Fauerbach L, Fishman N, Dembry L-M, Arias K, Mermel L, Perl T, and the SHEA/APIC Communication Network Team.** The SHEA/APIC communication network – taking the pulse on infection prevention and control and hospital epidemiology issues. **The 17th Annual Meeting of the Society for Healthcare Epidemiology, Baltimore, MD, April 2007.**
89. **Mermel L, Metersky M, Richards, Rothschild J, Kaplan H, Wang Y, Verzier N, Hunt D.** Central venous catheter-related bloodstream infections in hospitalized medicare fee-for-service patients. **The 17th Annual Meeting of the Society for Healthcare Epidemiology, Baltimore, MD, April 2007. \***
90. **Mermel L, Lonks J, Gordon S, Perl T, Fadem S, Muralidhar A, Dacus D, Maxey GE, Cartony J, Morse D, Mach, P.** Quantitative analysis methicillin-resistant *Staphylococcus aureus* (MRSA) in clinical nasal swab samples collected from US patient populations. **The 17th Annual Meeting of the Society for Healthcare Epidemiology, Baltimore, MD, April 2007. \***
91. **Blanchard KY, Jefferson JA, Mermel LA.** Control of nosocomial acinetobacter in a university-affiliated medical center. **The 34th Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, San Jose, CA, June 2007. Am J Infect Control 2007;35:e133-134.**
92. **Blanchard KY, Jefferson JA, Mermel LA.** Case finding using infection control software. **The 34th Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, San Jose, CA, June 2007. Am J Infect Control 2007;35:e198-199.**

93. **Jefferson JA, Parenteau SL, Soares LM, Davison KA, Mermel LA.** Use of automated orders to improve active surveillance for MRSA. **The 34th Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, San Jose, CA, June 2007.** *Am J Infect Control* 2007;35:e200.
94. **Fieber J, Novikov A, Sarma A, Mermel L, Tripathi A.** Diagnosis of *Clostridium difficile* associated disease. **American Association for the Advancement of Science Annual Meeting, Boston, MA, February 2008.**
95. **Hicks L, McAuley P, Fishman M, Ben David D, Mermel LA, Jefferson, JA, Vallande N, and the Rhode Island MRSA Taskforce.** An update on control of healthcare-associated MRSA in Rhode Island. **The 18th Annual Meeting of the Society for Healthcare Epidemiology, Orlando, FL, April 2008.**
96. **Barbosa A, Mermel LA.** Methicillin-resistant *Staphylococcus aureus* in the nares of medical and surgical residents. **American College of Physicians Rhode Island Chapter Annual Meeting, Warwick, RI, April 2008.** \* *Med Health RI* 2008;91:345.
97. **Sweeney J, Asad S, Mermel L.** Transfusion transmitted babesiosis in Rhode Island. **American Association of Blood Banks Annual Meeting, Montreal, Canada, October, 2008.** \*
98. **Mermel L and the 5-FU CVC Study Group.** Prevention of central venous catheter Infections: A prospective, randomized clinical trial comparing a 5-fluorouracil coated CVC and a chlorhexidine-silver sulfadiazine coated CVC. **Program and Abstracts of the 48th Interscience Conference on Antimicrobial Agents and Chemotherapy and 46<sup>th</sup> Infectious Diseases Society of America Annual Meetings, Washington, DC, October 2008.** †
99. **LaPlante KL, Mermel LA.** In vitro activity of telavancin and vancomycin against biofilm-producing *Staphylococcus aureus*, *S. epidermidis* and *Enterococcus faecalis*. **Program and Abstracts of the 48th Interscience Conference on Antimicrobial Agents and Chemotherapy and 46<sup>th</sup> Infectious Diseases Society of America Annual Meetings, Washington, DC, October 2008.**
100. **Dupont IT, Jefferson JA, Mermel LA.** A surveillance system to monitor the frequency of *Legionella* testing in high-risk patients. **The 36th Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, Ft. Lauderdale, FL, June 2009.**
101. **Jefferson J, Perry J, Mermel L.** An assessment of opportunities for reducing bladder catheter use at a busy university-affiliate hospital emergency department. **The 36th Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, Ft. Lauderdale, FL, June 2009.**
102. **LaPlante KL, Mermel LA.** In vitro activity of linezolid and vancomycin against biofilm-producing *Staphylococcus aureus*, *S. epidermidis* and *Enterococcus faecalis*. **Program and Abstracts of the 49th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA, October 2009.**
103. **Kassakian SZ, Mermel L, Jefferson J, Parenteau S, Machan J.** Impact of chlorhexidine bathing on MRSA and VRE hospital-acquired infections in non-ICU patients: Interim Report. **Program and Abstracts of the 5th Decennial International Conference on Nosocomial Infections, Centers for Disease Control, the National**

**Foundation for Infectious Diseases, and the American Society for Microbiology, Atlanta, GA March 2010.**

104. **Chan PA, Chapin K, Andrea S, McCulloh R, Mills J, Echenique I, Leveen E, Rybak N, Cunha C, and Mermel L.** Distinguishing characteristics between novel 2009-2010 influenza A (H1N1) and other viruses in patients presenting with respiratory illness. **The 48<sup>th</sup> Annual Meeting of the Infectious Diseases Society of America, Vancouver, Canada, October, 2010.**
105. **Jefferson J, Lichtenberg D, Blanchard K, Mermel L.** A comparison of CAUTI rates using NNIS and NHSN definitions. **The 38<sup>th</sup> Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, Baltimore, MD, June 2011.** Am J Infect Control, 2011;39: E213-E214. \*
106. **Zandman DR, Parenteau S, Blanchard KY, Reinert S, Mermel LA, Kelly CR.** Race is not an independent risk factor for poor outcomes in *Clostridium difficile* infection. **The 77<sup>th</sup> Annual Meeting of the American College of Gastroenterology, Las Vegas, NV, October 2012.**
107. **Luther M, LaPlante K, Babcock K, Mermel L.** Activity of telavancin and vancomycin antibiotic lock solutions against biofilm-producing staphylococci and enterococci in an in vitro central venous catheter model. **The 23<sup>rd</sup> European Congress of Clinical Microbiology and Infectious Diseases Berlin, Germany, April 2013.**
108. **Alexander NE, Vanner C, Baier R, Chapin KC, Mermel LA.** Impact of non-FDA-approved CLSI breakpoint criteria on laboratory carbapenem-resistant Enterobacteriaceae detection practices: A state-wide assessment. **Council of State and Territorial Epidemiologists (CSTE) Annual Conference in Pasadena, CA, June 2013.**
109. **Angione S, Sarma A, Mermel L, Tripathi A.** A rapid, real-time multiplex PCR for detecting and sub-typing *Clostridium difficile* using a novel droplet sandwich platform. **Biomedical Engineering Society Annual Meeting, September 2013.**
110. **Dai J, Hwang K, Mermel L, Pareek G, Schiff S, Golijanin D, Joseph Renzulli J.** Rectal swab culture-directed antimicrobial prophylaxis for prostate biopsy is associated with a lower risk of infectious complications. **Annual Meeting of the American Urological Association Education and Research Inc., Orlando, FL, May 2014.** J Urol 2014;191: e158.
111. **Mermel L, Carino G, Heffernan DS, Mazer JM, Levinson A, Cohen DM.** Insertion and use of arterial catheters: A survey of clinician antiseptic technique. **American Thoracic Society International Conference, San Diego, California, May 2014.** Am J Respir Crit Care Med 2014;189: A3778.
112. **Morrill H, Caffrey A, Friedmann P, Dosa D, Quilliam B, Mermel L, LaPlante K.** *Escherichia coli* and *Klebsiella pneumoniae* resistance rates across the New England Veterans Affairs (VA) Healthcare System. **Program and Abstracts of the 54<sup>th</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, October 2014.**
113. **Luther MK, Babcock KM, Mermel LA, LaPlante KL.** Activity of preservative-containing heparin, benzyl alcohol, & preservative-free heparin on biofilm-producing



staphylococci & enterococci in an in vitro central venous catheter model. **Program and Abstracts of the 54th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, October 2014.** \*

114. **Parienti JJ, Mongardon N, Mégarbane B, Mira JP, Pottier V, Savary B, Valette X, Terzi N, Sauneuf B, Kalfon B, Marqué S, Thuong M, Gros A, Cattoir V, Mermel LA, du Cheyron D, 3SITES Study Group.** Preliminary results of the 3SITES study: A randomized comparison of central venous catheterization infectious complication by site of insertion. **Program and Abstracts of the 54th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, September 2014.** \*
115. **Cohen DM, Levinson A, Mazer JM, Heffernan DS, Leukel S, Carino G, Mermel L.** Insertion and use of arterial catheters: A national survey of clinician antiseptic technique. **44th Critical Care Congress, Phoenix, AZ, January 2015.**
116. **McNicoll L, Butterfield K, Caliendo A, Mermel L.** Vampire medicine: Do we need all those blood tests? **American Geriatric Society Annual Scientific Meeting, National Harbor, MD, May 2015.** †
117. **Kasindi Kabululu E, Alexandrou E, Ray-Barruel G, Carr P, Frost S, Inwood S, Higgins N, Lin F, Alberto L, Mermel L, Rickard CM.** One million global catheters worldwide prevalence study: Building alliances to put vascular access device management and infection prevention on the world stage from Australia to the Democratic Republic of Congo. **International Conference on Prevention & Infection Control, Geneva, June 2015.**
118. **Parente DM, Alexander-Scott N, Baier RR, Cunha CB, Dorobisz MJ, Lonks JR, Morton JB, Mota TM, Skowron G, Smit MA, Mermel LA, LaPlante KL.** Antimicrobial stewardship practices in Rhode Island acute-care hospitals: Results of a statewide survey. **ID Week, San Diego, CA, October 2015.**
119. **McNicoll L, Butterfield K, Caliendo A, Mermel L.** Vampire medicine: Do we need all those blood tests? **Society of General Internal Medicine Annual Scientific Meeting, Hollywood, FL, May 2016.**
120. **Krosche A, Teter J, Perl TM, Pegues D, Mermel L, Los J, Harris A, Fraser V, Thom K.** Teaching healthcare epidemiology, infection prevention, and antimicrobial stewardship: Impact of a face-to-face training course. **Society for Healthcare Epidemiology Spring Conference, Atlanta, GA, May 2016.**
121. **Krosche A, Teter J, Perl TM, Pegues D, Mermel L, Los J, Harris A, Fraser V, Thom K.** The impact of a course on healthcare epidemiology, infection prevention, & antimicrobial stewardship as shown through a before and after analysis. **Society for Healthcare Epidemiology Spring Conference, Atlanta, GA, May 2016.**
122. **Braun BI, Kusek LL, Rasinski KA, Mermel LA, Smit MA, Milstone AM, Morgan DJ.** Perceived benefits of EVD preparation compared to cost: A US nationwide sample. **Society for Healthcare Epidemiology Spring Conference, Atlanta, GA, May 2016.**
123. **Smit MA, Mermel LA, Rasinski KA, Braun BI, Kusek L, Milstone AM, Morgan DJ.** Ebola virus disease preparation costs for acute care hospitals in the United States. **Society for Healthcare Epidemiology Spring Conference, Atlanta, GA, May 2016.**

124. **Willemsen I, Jefferson J, Mermel L, Kluytmans J.** The Infection Risk Scan (IRIS): a Dutch tool used to compare infection control and antibiotic stewardship in a Dutch and US hospital. **Society for Healthcare Epidemiology Spring Conference, Atlanta, GA, March 2017.**
125. **Oh TJ, Kreitenberg A, Mermel LA.** Anti-staphylococcal effectiveness of surface treatments in a simulated aircraft environment. **Aerospace Medical Association Annual Meeting, Denver, CO, May 2017.**
126. **Smith J, Mermel L.** Intracranial epidural abscess due to Blastomyces masquerading as an epidermoid tumor. **Mid-Atlantic ID Fellows Forum, Philadelphia, PA, April 2017.**
127. **Alexandrou, E, Carr P, Frost S, Inwood S, Higgins N, Lin F, Alberto LM, Mermel L, Rickard CM.** Worldwide variations in peripheral intravenous catheter insertion and management policies: Survey results from the One Million Global Catheters Study. **Association for Vascular Access Annual Meeting, Phoenix, AZ, September 2017. \***
128. **Alexandrou, E, Carr P, Frost S, Inwood S, Higgins N, Lin F, Alberto LM, Mermel L, Rickard CM.** Peripheral intravenous catheter education: Are we on the same page. **Australian Vascular Access Society Annual Scientific Meeting, Perth, Australia, May 2017.**
129. **Lee J, Wong V, Mermel L, Robinson-Bostom L, Chai S.** Polyarteritis nodosa with polymyositis induced by streptococcal infection. **American Academy of Dermatology Annual Meeting, San Diego, CA February 2018. \***
130. **Willemsen I, Jefferson J, Verelst M, Schuermans A, Mermel L, Kluytmans J.** Cleanliness in hospitals on both sides of the Atlantic Ocean using a standardized method. **European Society of Clinical Microbiology and Infectious Diseases Madrid, Spain, April 2018.**
131. **Lee J, Abbasi A, Greene R, Chen P, Mailloux C, Shick A, Hudephhl N, Baird G, Mermel L, Levy M.** Antibiotic administration in the emergency department for suspected sepsis: an evaluation of unintended consequences. **32<sup>nd</sup> Annual Congress of the European Society of Intensive Care Medicine, Berlin, Germany, September-October 2019.**
132. **Montalvo M, Ayoub D, Byrd K, McGary M, Mahta A, Rao S, Potter N, Reznik M, Mermel L, Anthony D, Thompson B, Wendell L.** Eastern equine encephalitis: Case series in southern New England. *Neurology* April 14, 2020; 94 (15 Supplement), 4141.
133. **Blanchard KY, Mermel L.** The value and role of the infection control & prevention department during a catastrophic hospital fire. **Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology.** *American Journal of Infection Control*, 2020-08-01, Volume 48, Issue 8, Pages S28-S28, 2020.
134. **Basta MN, White-Dzuro C, Winocour JS, Rao V, Liu PY, Kwan D, Breuing KH, Sullivan R, Mermel L, Drolet BC, Schmidt S.** Alpha-defensin-1 biomarker outperforms culture in diagnosing breast implant-related infection: Results from a multicenter prospective study. **90<sup>th</sup> Annual meeting of the American Society of Plastic Surgery, Atlanta, GA October-November 2021.** *Plastic and Reconstructive Surgery - Global Open.* 9(10S):27-28, October 2021.

135. **Walek KW, Leary OP, Sastry R, Asaad WF, Walsh JM, Mermel L.** Towards lower external ventricular drain infection rates in the neurocritical care unit: 12-year longitudinal experience at a single institution. **American Association of Neurological Surgeons, Vancouver, CA, August 2021.**
136. **Walek KW, Leary OP, Sastry R, Asaad WF, Walsh JM, Mermel L.** Retrospective analysis of outcomes of external ventricular drain placement with a previously-implemented infection control bundle. **American Association of Neurological Surgeons, Vancouver, CA, August 2021.**
137. **Walek KW, Rajski M, Sastry RA, Mermel L.** Reducing ventriculoperitoneal shunt infection with intraoperative glove change: meta-analysis and literature review. **American Association of Neurological Surgeons, Vancouver, CA, August 2021.**
138. **Galvin K, Blanchard K, Mermel LA.** Serial testing: An important tool to reduce COVID-19 transmission in communal settings. **Annual Meeting of the Association for Practitioners in Infection Control and Epidemiology, San Diego, CA, May 2022.**
139. **Almulhim A, Touzard-Romo F, Eby J, Mermel L.** Correlating symptoms to infectivity among vaccinated healthcare workers with Covid-19 infection. **Society for Healthcare Epidemiology Spring Conference, Seattle, WA, April 2023.**  
Antimicrobial Stewardship & Healthcare Epidemiology 3 (S2), s86-s86.
140. **Sears I, Davis M, Gibas K, Mermel L, Heffernan D.** Association between Antidepressant Usage and Multidrug Resistant Urinary Tract Infections. **American College of Physicians, Rhode Island Chapter Annual Meeting, March, So. Kingston, RI, March 2024.**
141. **Gibas KM, Kinsella N, Parente S, Diamond M, Blanchard K, Mermel LA.** Staff Perspectives on Barriers & Facilitators to Meeting Hand Hygiene Goals in a Multicenter Academic Hospital System. **Society for Healthcare Epidemiology Spring Conference, Houston, TX, April 2024.**
142. **Gibas KM, Mermel LA.** Provider and Nursing Perspectives on "Panculture": Opportunities for Innovative Diagnostic Stewardship Interventions. **ID Week. Los Angeles, CA, October 2024.**
143. **Touzard Romo F, Auld D, Deabreu A, Roberts K, Jackson G, Whitehead V, O'Rourke E, Has P, Mermel LA.** Implementation of an initial specimen blood culture diversion device to reduce blood culture contamination: lessons learned. **ID Week. Los Angeles, CA, October 2024.**

\* Oral Presentation    † Chosen for Topical Poster Walk Session

#### **SCHOLARLY WORK PUBLISHED IN OTHER MEDIA**

1. **Boukhman M, Kobayashi L, Sutingco N, Ciottone G, Ciccone T, Mermel L, Cusick S.** Current Topics in Nuclear, Biological, and Chemical Weapons. CME Online, Department of Continuing Education, Harvard Medical School.  
<http://cmeonline.med.harvard.edu> 2004.

2. **Mermel LA.** Bloodstream and Intravascular Catheter-Related Infections. Online Course, Infectious Diseases Society of America Infection Control Fellows Course. <http://www.iccourse.org/> 2010.
3. **Mermel LA.** Preparing US Hospitals to Safely Manage Ebola Virus Infected Patients: At What Cost? *Health Affairs* blog, <http://healthaffairs.org/blog/2014/12/11/preparing-us-hospitals-to-safely-manage-ebola-virus-infected-patients-at-what-cost/>.

## INVITED PRESENTATIONS

### INTERNATIONAL

1. Hospital Infection Control Day, University of Gent, Belgium, 12/92. Keynote Speaker: An Overview of Catheter-Related Infections; Prevention of Catheter-Related Infections.
2. Instituto Di Malattis Infettive, Pavia, Italy, 12/92. Lecture: An Overview of IV Catheter-Related Infections.
3. Central Emek Hospital, Afula, Israel, 12/92. Lecture: An Overview of IV Catheter-Related Infections.
4. Canadian IV Nurses Association National Meeting, Toronto, Canada, 10/94. Lecture: An Overview of Intravascular Catheter-Related Infections: Epidemiology, Pathogenesis and Prevention.
5. The 15th Congress of the International Society on Thrombosis and Haemostasis, Symposium-Innovative Therapies for Hemophilia, Eilat, Israel, 6/95. Lecture: Bacteriology and Safety of Continuous Intravenous Infusions.
6. Central Emek Hospital, Afula, Israel, 6/95. Lecture: Diagnosis and Prevention of IV Catheter-Related Infections.
7. Canadian IV Nurses Association National Meeting, Toronto, Canada, 10/95. Lecture: Intravascular Catheter Infections and Their Prevention.
8. Hospital Universitari del Mar Symposium on Catheter-Related Infections, Barcelona, Spain, 2/96. Lecture: Pathogenesis of Catheter Sepsis-Looking at the Hub from the Other Side of the Atlantic.
9. Canadian IV Nurses Association National Meeting, Toronto, Canada, 9/96. Lecture: Current Issues Concerning Intravascular Catheter Care.
10. Toronto City-Wide Infectious Disease Meeting, Canada, 9/96. Lecture: Intravascular Catheter-Related Infections-Epidemiology, Pathogenesis and Prevention.
11. The 50th National Congress of the Italian Society of Anaesthesiology, Analgesia and Intensive Care, Ancona, Italy, 10/96. Lecture: Intravascular Catheter-Related Infections-Epidemiology, Pathogenesis and Prevention.

12. Interscience Conference on Antimicrobial Agents and Chemotherapy. Toronto, Canada, 10/97. Lecture: Evaluation of Fever in the Intensive Care Unit.
13. Canadian IV Nurses Association National Meeting, Toronto, Canada, 10/97. Lecture: Vancomycin-Resistant Enterococci- Where Did it Come From and Why is it so Difficult to Treat?
14. Department of Medicine Conference. University of Geneva, Switzerland, 12/97. Lecture: Epidemiology & Pathogenesis of Intravascular Catheter-Related Infections.
15. City-Wide Infectious Disease Conference, University of Basel, Switzerland, 12/97. Lecture: Epidemiology & Pathogenesis of Intravascular Catheter-Related Infections.
16. European Society of Clinical Microbiology and Infectious Diseases, European Study Group on Nosocomial Infections Annual Meeting, S.L. El Escorial, Spain, 11/98. Lecture: Epidemiology, Pathogenesis, and Prevention of Intravascular Catheter-Related Infections.
17. European Society of Clinical Microbiology and Infectious Diseases, European Study Group on Nosocomial Infections Postgraduate Education Course, S.L. El Escorial, Spain, 11/98. Keynote Speaker: Nosocomial Infections. Workshop Moderator: Nosocomial Infections.
18. International Antimicrobial Therapy Cooperative Group Seminar, Crans-Montana, Switzerland, 2/99. Lecture: Intravascular Catheter-Related Infections.
19. Canadian IV Nurses Association National Meeting, Toronto, Canada, 10/99. Lecture: Intravascular Catheter Infections and Their Prevention.
20. Risk and Prevention Scientific Programme on Nosocomial Infections, Paris, France, 2/00. Lecture: Epidemiology of IV Device Infections.
21. Interscience Conference on Antimicrobial Agents and Chemotherapy. Toronto, Canada 9/00. "Meet the Expert Session" Intravascular Catheter Related Infections: Guidelines for Treatment & Prevention.
22. International Conference on Infection Control 2000, Edinburgh, Scotland, 11/00. Lecture: Intravascular Catheter Care in the New Millennium.
23. Polish National Institute of Hygiene & Hospital Infection Society Conference, Warsaw, Poland, 11/00. Lecture: Intravascular Catheter Care in the New Millennium.
24. International Meeting on the Therapy of Infections, Florence, Italy, 12/00. Lecture: Prevention & Treatment of Intravascular Catheter-Related Infections in the New Millennium - Where Have We Been & Where Are We Going?
25. Central Vein Access for Hemodialysis, Meeting of the French Society for Vascular Access, Society of Nephrology, and French Society for Dialysis, Montpellier, France 2/01. Lecture: Prevention of Intravascular Catheter Infections – Insights & Prospects for Hemodialysis Catheters.

26. Society for Healthcare Epidemiology of America Annual Meeting, Toronto, Canada 4/01. "Meet the Consultant Session" Infections Associated with Construction in Hospitals.
27. International Conference-IV Therapy Home and Hospital, Oxford Radcliffe Hospital Trust, Oxford, England 3/02. Lecture: Prevention of Intravascular Catheter-Related Infections.
28. Ontario Infectious Diseases Fellows' Retreat, Toronto, Canada 8/02. Keynote Lecture: Emerging Technologies to Prevent Intravascular Catheter- Related Infections.
29. Infectious Diseases Grand Rounds, Toronto General Hospital, Toronto, Canada 8/02. Novel Strategies for the Prevention and Management of Intravascular Catheter- Related Infections.
30. International Conference of the Hospital Infection Society, Edinburgh, Scotland 9/02. Workshop Speaker: Intravascular Devices.
31. Medical Grand Rounds, Hamilton Health Sciences Center, McMaster University, Hamilton, Canada 10/02. Lecture: Practice Guidelines on Prevention and Management of Intravascular Catheter- Related Infections.
32. Infectious Disease Conference, Hamilton Health Sciences Center, McMaster University, Hamilton, Canada 10/02. Lecture: Pathogenesis of Intravascular Catheter-Related Infections and Novel Preventative Strategies.
33. European Society for Clinical Microbiology and Infectious Diseases and the Society for Healthcare Epidemiology of America Training Course in Hospital Epidemiology, Turkey, 11/03. Interactive Workshop: Management and Prevention of Intravascular Catheter-Related Bloodstream Infections.
34. European Society for Clinical Microbiology and Infectious Diseases and the Society for Healthcare Epidemiology of America Training Course in Hospital Epidemiology, Freiburg, Germany, 10/04. Lecture: Epidemiology of Intravascular Catheter-Related Bloodstream Infections. Interactive Workshop: Prevention of Intravascular Catheter-Related Bloodstream Infections.
35. Infections in Surgical Patients Conference, Florence, Italy 6/05. Lecture: Catheter-Related Infections: Prevention and Therapy.
36. Symposium on Infectious Diseases and Hospital Hygiene, University Hospital, Basel, Switzerland, 9/06. Keynote Lecture: Intravascular Catheter-Related Infections – An Update.
37. International Conference of the Hospital Infection Society, Amsterdam, Netherlands, 10/06. Lecture: Prevention of Intravascular Catheter Infections: Strategies Other Than Antimicrobial Impregnated Catheters.
38. European Society for Clinical Microbiology and Infectious Diseases and the Society for Healthcare Epidemiology of America Training Course in Hospital Epidemiology,

- Vienna, Austria 11/06. Basic Course Lecture: Dynamics and Prevention of Catheter-Related Bacteremia. Applied Course Lecture: Surveillance for MRSA.
39. The Changing Natural History of Infections: New Challenges for Antibiotic Treatment and Prevention. Congresso Argomenti di Malattie Infettive e Tropicali (Italian Society of Infectious and Tropical Diseases), Milan, Italy, 3/07. State of the Art Lecture: Nosocomial Infections.
  40. European Society for Clinical Microbiology and Infectious Diseases and the Society for Healthcare Epidemiology of America Training Course in Hospital Epidemiology, Prague, Czech Republic, 11/07. Basic Course Lecture: Dynamics and Prevention of Catheter-Related Bacteremia. Applied Course Lecture: Surveillance for MRSA.
  41. European Society for Clinical Microbiology and Infectious Diseases and the Society for Healthcare Epidemiology of America Training Course in Hospital Epidemiology, Prague, Oisterwijk, Netherlands, 11/08. Basic Course Lecture: Dynamics and Prevention of Catheter-Related Bacteremia. Applied Course Lecture: Surveillance for MRSA.
  42. Infection Control Lecture, The Chaim Sheba Medical Center at Tel Hashomer, Tel-Aviv, Israel 8/12. Lecture: Surveillance and Control of Intravascular Catheter-Associated Infections.
  43. Dutch Hospital Safety Program, Utrecht, Netherlands, 5/09. Keynote Speaker: Prevention of Catheter-Related Bloodstream Infection.
  44. St. Elisabeth Ziekenhuis Hospital, Tilburg, Netherlands, 5/09. Lecture: Influenza Update.
  45. European Society for Clinical Microbiology and Infectious Diseases and the Society for Healthcare Epidemiology of America Training Course in Hospital Epidemiology, El Escorial, Spain, 11/09. Basic Course Lecture: Dynamics and Prevention of Catheter-Related Bacteremia. Applied Course Lecture: Prevention of Hospital-Acquired Infections using Prevention Bundles.
  46. European Society for Clinical Microbiology and Infectious Diseases; Society for Healthcare Epidemiology of America; and Australasian Society for Infectious Diseases Comprehensive Course in Hospital Epidemiology, Port Douglas, Australia, 6/10. Lecture: New Technologies to Prevent Intravascular Catheter Infections. Lecture: Prevention of Hospital-Acquired Infections using Prevention Bundles.
  47. International Conference on Prevention & Infection Control, Geneva, Switzerland, 7/11. Lecture: Is Zero Infection Achievable in the ICU? Pro view in debate.
  48. European Society for Clinical Microbiology and Infectious Diseases; Society for Healthcare Epidemiology of America; Comprehensive Course in Hospital Epidemiology, Brunnen, Switzerland, 9/11. Basic Course Lecture: Dynamics and Prevention of Catheter-Related Bacteremia. Applied Course Lecture: Prevention of Hospital-Acquired Infections using Prevention Bundles.

49. Annual International IV Therapy Conference, Oxford Radcliffe Hospital Trust, Oxford, England 9/11. Keynote Lecture: Quality, Innovation, Minimizing Risk in IV Therapy.
50. 2<sup>nd</sup> World Congress on Vascular Access, Amsterdam, Netherlands, 6/12. Lecture: Management of CRBSI: Current Recommendations about Salvage of the VAD and Antibiotic Lock.
51. National Center for Infection Control, Tel-Aviv, Israel 8/12. Lecture: Surveillance and Control of Hospital-Acquired Infections.
52. European Society for Clinical Microbiology and Infectious Diseases; Society for Healthcare Epidemiology of America; Comprehensive Course in Hospital Epidemiology, Brunnen, Switzerland, 10/12. Basic Course Lecture: Dynamics and Prevention of Catheter-Related Bacteremia; Control of New Delhi Metallo-beta lactamase- Producing Klebsiella. Applied Course Lecture: Prevention of Hospital-Acquired Infections using Prevention Bundles; Prevention of Ventilator-Associated Pneumonia.
53. Congresso Latino-americano de Resistência Microbiana e X Sul Encontro de Controle de Infecção, Gramado, Brazil 5/13. Lecture: Evidence-Based Practices and Technology to Reduce Vascular Access Device-Related Infections.
54. European Society for Clinical Microbiology and Infectious Diseases; Society for Healthcare Epidemiology of America; Comprehensive Course in Hospital Epidemiology, Brussels, Belgium, 10/13. Basic Course Lecture: Dynamics and Prevention of Catheter-Related Bacteremia; Control of Multi-Resistant Pathogens: How Much is Enough? Write up your Bundle of care; Applied Course Lecture: Influencing Behavior for Effective Infection Control; Epidemiology and Control of Clostridium difficile & Norovirus; Device-Related Infections and Implementing Bundles.
55. European Congress for Clinical Microbiology and Infectious Diseases Annual Scientific Meeting, Barcelona, Spain 5/14. Keynote Lecture: On the Cutting Edge of Infection Control Research: What to do When Evidence is Missing?
56. Australasian Society of Infectious Disease, European Society for Clinical Microbiology and Infectious Diseases; Society for Healthcare Epidemiology of America; Advanced Hospital Epidemiology Training Course, Cairns, Australia, 7/15. Lectures: Epidemiology and Control of C difficile and Other GI-tract pathogens; Controversial Issues in Infection Control - Impregnated Catheters and Other Interventions to Prevent CLABSI.
57. Nordwestschweizer Infektiologie & Spitalhygiene Symposium, Basel Switzerland, 1/16. Lecture: Prevention and Management of Intravascular Catheter-Associated Bloodstream Infections.
58. Infectious Diseases Lecture, Bern, Switzerland, 1/16. Lecture: Prevention and Management of Intravascular Catheter-Associated Bloodstream Infections.



59. Preventing Infections in Israel and Abroad, National Center for Infection Control Infection Control Symposium, Tel-Aviv, Israel, 1/16. Lectures: 1) Prevention and Management of Intravascular Catheter-Associated Bloodstream Infections. 2) Epidemiology and Prevention of Clostridium difficile Hospital-Acquired Infection
60. Society of Interventional Radiology Annual Meeting, Vancouver, Canada, 4/16. Meet the Expert Session: How to Deal with Hospital CLABSI Rate.
61. European Society of Clinical Microbiology and Infectious Diseases Madrid, Spain, 4/18. Lecture: Dealing with the Media and Support Mechanisms for Healthcare Professionals During Outbreaks.
62. National Institute for Antibiotic Resistance and Infection Control, Innovation and Entrepreneurship in Infection Control Conference, Tel-Aviv, Israel, 11/19. Lecture: New Technologies in Infection Control.
63. International Consortium for Infection Prevention & Infection Control Conference, Geneva, Switzerland, 9/23. Panel Discussant: A turning point for infection prevention and control worldwide – introducing the new WHO global strategy on infection prevention and control. Lecture: Prevention of Long-Term Catheter-Related Bloodstream Infections with Prophylactic Antimicrobial Lock Solutions: Why So Little Use? Lecture: State-of-the-Art Basics of CLABSI Prevention. Lecture: Keynote address – Space, The Final Frontier.

## **UNITED STATES**

(Outside of Rhode Island)

1. Society for Hospital Epidemiology of America Annual Meeting, Chicago, IL, 4/93. "Meet the Consultant Session" Catheter-Related Infections.
2. Intravenous Nurses Society - Midwest Chapters Annual Meeting, Detroit, MI, 9/93. Keynote Speaker: Intravenous Catheter-Related Infections: How, Why and When They Occur and How to Prevent Them.
3. Interscience Conference on Antimicrobial Agents and Chemotherapy. New Orleans, LA, 10/93. Symposium on Prevention and Management of Infections from Intravascular Devices. Lecture: Magnitude of the Problem and Suggested Definitions.
4. Memorial Hospital of Burlington County, Mt. Holly, NJ, 10/93. Infectious Disease Symposium. Lecture: Intravenous Catheter-Related Infections.
5. Association for Practitioners in Infection Control - New England Chapter Annual Meeting, Sturbridge, MA, 3/94. Keynote speaker: Intravenous Catheter-Related Infections - Epidemiology, Pathogenesis and Prevention.
6. Society for Hospital Epidemiology of America Annual Meeting, New Orleans, LA, 3/94. Lecture: Intravenous Devices - Can We Reduce the Risks.
7. IV Nursing Society National Meeting, Denver, CO, 5/94. Lecture: Epidemiology, Pathogenesis and Prevention of Intravenous Catheter-Related Infections.

8. McGuire VA Medical Center, Richmond, VA, 8/94. Medical Grand Rounds: An Overview of Intravenous Catheter-Related Infections.
9. Association for Practitioners in Infection Control - Minnesota Chapter Annual Meeting, St. Paul, MN, 8/94. Lecture: Reducing the Risk of Intravascular Catheter-Related Infections
10. Encino-Tarzana Regional Medical Center, Tarzana, CA, 2/95. Infectious Diseases Symposium: Overview of Intravascular Catheter-Related infections.
11. New England Ophthalmological Society Annual Meeting, Boston, MA, 3/95. Lecture: Infectious Disease Update: New and Emerging Pathogens in the 90's.
12. Society for Hospital Epidemiology of America Annual Meeting, San Diego, CA, 4/95. "Meet the Consultant Session" Infections in Intensive Care Units - Focus on Vascular Access and Pulmonary Infections.
13. Infection Control and IV Therapy Symposium, Association for Practitioners in Infection Control - Minnesota Chapter Meeting, St. Paul, MN, 8/95. Lecture: Reducing the Risk of Intravascular Catheter-Related Infections.
14. Society for Healthcare Epidemiology of America Annual Meeting, Washington, DC, 4/96. Lecture: Infections Associated with Construction and Renovation.
15. American Society of Hematology Meeting Symposium- Venous Access: Complications & Management, Orlando, FL, 12/96. Lecture: Preventing Intravascular Catheter-Related Infections in Hematology Patients.
16. League of Intravenous Therapy Education National Seminar, Pittsburgh, PA, 2/97. Keynote speaker - Vascular Access Device Infections, Incidence & Prevention.
17. Society for Healthcare Epidemiology of America Annual Meeting, St. Louis, MO, 4/97. "Meet the Consultant Session" ICU Infections.
18. Infection Control Nurses of Southeastern New England Seminar, Mansfield, MA, 11/97. Lecture: Epidemiology & Prevention of Intravascular Catheter-Related Infections.
19. Society for Healthcare Epidemiology of America Annual Meeting, Orlando, FL, 4/98. "Meet the Consultant Session" Nosocomial Infections Related to Construction.
20. Outpatient Intravenous Infusion Therapy Association National Meeting, Orlando, FL, 4/98. Lecture: Central Line Care – What We Do Know.
21. Johns Hopkins University - University of Maryland Fellowship Training Course, Baltimore, MD, 7/98. Lecture: Intravascular Catheter-Related and Non-Intravascular Catheter-Related Bloodstream Infections.
22. Interscience Conference on Antimicrobial Agents and Chemotherapy. San Diego, CA, 9/98. Lecture: Intravascular Catheter-Related Infections - New Knowledge, Same Challenges.
23. Interscience Conference on Antimicrobial Agents and Chemotherapy. San Diego, CA, 9/98. "Meet the Consultant Session" Infections in Intensive Care Units".
24. National Foundation for Infectious Diseases, Centers for Disease Control & Prevention, and Emory University. New and Reemerging Infectious: A Clinical Course, Atlanta,

- GAm 4/99. Lecture: Intravascular Line Associated Infection: Current Issues in Diagnosis & Management. Participant: Interactive Case-Discussion.
25. Intravenous Nurses Society National Meeting, Charlotte, NC, 5/99.  
Lecture: Evidence-Based Decision Making: Tools for Evaluating Clinical Research.
  26. American Society for Microbiology General Meeting, Chicago, IL, 6/99.  
Lecture: Epidemiology and Pathogenesis of Intravascular Catheter-Related Infections.
  27. Interscience Conference on Antimicrobial Agents and Chemotherapy. San Francisco, CA 9/99. "Meet the Consultant Session" Infections due to Intravascular Catheters.
  28. Society for Critical Care Medicine Annual Meeting, Orlando, FL, 2/00.  
Lecture: Therapy of Intravascular Catheter Infections.
  29. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections, Atlanta, GA, 3/00. Lecture: New Technologies to Prevent Bloodstream Infections. Panel Discussion: Current Controversies in Preventing Bloodstream Infection. "Meet the Expert Session" Preventing Intravascular Infections.
  30. Infectious Diseases Society of America Annual Meeting, New Orleans, LA, 9/00.  
Lecture: Intravascular Catheter-Related Infections: Epidemiology & Impact.
  31. Creighton University Annual Infectious Disease Symposium, Omaha, NE, 4/01.  
Lecture: Treatment of Intravascular Catheter-Associated Infections.
  32. University of Massachusetts Memorial Medical Center Infectious Disease Lecture Series, Worcester, MA, 5/00. Prevention and Management of Intravascular Catheter-Related Infections.
  33. Lahey Clinic Grand Rounds, Boston, MA, 5/00. Prevention and Management of Intravascular Catheter-Related Infections.
  34. National Foundation for Infectious Diseases, Centers for Disease Control & Prevention, and Emory University. New and Reemerging Infectious: A Clinical Course, Atlanta, GA, 6/01. Lecture: Intravascular Catheter-Associated Bloodstream Infection. Participant: Interactive Case-Discussion.
  35. Johns Hopkins University and University of Maryland Fellowship Training Course, Baltimore, MD, 7/01. Lecture: Epidemiology and Prevention Bloodstream Infection.
  36. University of Wisconsin Hospital & Clinics Infectious Diseases Research Conference, Madison, WI, 6/01. Lecture: Use of Antimicrobial Flush Solutions to Prevent Intravascular Catheter-Related Infections, Results of an In Vitro Model.
  37. Interscience Conference on Antimicrobial Agents and Chemotherapy. Chicago, IL, 12/01. Lecture: Treatment of Intravascular Catheter-Related Infections - Guidelines Based on Anecdotes, Wisdom or Facts.
  38. Society of Critical Care Medicine Annual Meeting. San Diego, CA, 1/02.  
Lecture: Novel Devices to Prevent Catheter-Related Bloodstream Infections.
  39. CDC, Council of State & Territorial Epidemiologists, Association of Public Health Laboratories, WHO and American Society for Microbiology International Conference on Emerging Infectious Diseases. Atlanta, GA, 3/02. Lecture: Prevention of Intravascular Catheter-Related Infections.

40. Washington University School of Medicine, Epidemiology 2002: An Update on Hospital Epidemiology. St. Louis, MO, 4/02. Lecture: Epidemiology, Management and Prevention of Intravascular Catheter-Related Infections: Fables, Foibles and National Guidelines.
41. National Institutes of Health (NIAID), Infectious Diseases Grand Rounds, Bethesda, MD, 5/02. Lecture: Pathogenesis and Prevention of Intravascular Catheter-Related Infections. NIAID Noon Conference Lecture: Management of Intravascular Catheter-Related Infections, A Review of National Guidelines.
42. National Foundation of Infectious Diseases, Centers for Disease Control & Prevention, US FDA, US Dept. of Agriculture Conference on Antimicrobial Resistance. Bethesda, MD, 6/02. Lecture: Antimicrobial Impregnated Catheters: Clinical Impact and Theoretical Concerns?
43. Johns Hopkins Univ., Univ. Maryland, Univ. Pennsylvania, Univ. Virginia, SHEA Fellows Course on Infectious Diseases, Baltimore, MD, 8/02. Lecture: Epidemiology and Prevention of Bloodstream Infection.
44. Charlton Memorial Hospital Medical Grand Rounds, Fall River, MA, 1/03. Lecture: Prevention & Management of Intravascular Catheter-Related Infections.
45. Johns Hopkins Univ., Univ. Maryland, Univ. Pennsylvania, Univ. Virginia, SHEA Fellows Course on Infectious Diseases, Baltimore, MD, 7/03. Lecture: Epidemiology and Prevention Bloodstream Infection.
46. Interscience Conference on Antimicrobial Agents and Chemotherapy. Chicago, IL, 9/03. Lecture: How Do I Treat Intravascular Catheter-Related Infections.
47. Infectious Disease 2003 Board Review Course: 8th Annual Comprehensive Review for Board Preparation CME Satellite Symposium. Washington, DC, 10/03. Lecture: Management and Prevention of Intravascular Catheter-Sepsis: What to do when the Lab Reports VRE or MRSA. Participant: Interactive Case Histories Panel Discussion
48. 5th Annual National Institutes of Allergy and Infectious Diseases Investigators Meeting of the Network on Antimicrobial Resistance in Staphylococcus aureus. Charlottesville, VA, 3/04. Lecture: Do Antimicrobial-Coated Catheters Mediate Antimicrobial Resistance?
49. Society for Healthcare Epidemiology of America Annual Meeting, Los Angeles, CA, 4/05. Lecture: Antimicrobial Impregnated Catheters: Pros and Cons.
50. Drexel University College of Medicine Grand Rounds, PN, 5/05. Lecture: Prevention & Management of Intravascular Catheter-Related Infections in 2005.
51. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/05. Lecture: Epidemiology of Bloodstream & Catheter Infections.
52. Infectious Diseases Society of America Annual Meeting, San Francisco, CA, 9/05. Meet the Professor: Prevention of Catheter-Related Bloodstream Infections.
53. Mt. Auburn Hospital, Cambridge, MA, 11/05. Grand Rounds: Pandemic Influenza: A Story of Birds, Pigs, and Humans.

54. Advanced Topics in Infectious Diseases, Memorial Sloan-Kettering Cancer Center and Presbyterian Hospital-Cornell Medical Center, New York, NY, 12/05. Lecture: Pandemic Influenza.
55. North American Congress of Epidemiology, Seattle, WA, 6/06. Lecture: Epidemiology & Prevention of Intravascular Catheter-Related Infections.
56. Association of Professors of Medicine and Alliance for Academic Internal Medicine Fall Meeting, New Orleans, LA, 10/06. Lecture: Pandemic Influenza – The Story of a Rapidly Mutating Virus and the Threat to Humankind.
57. VHA MRSA Webinar Series, 12/06. Lecture: A Surveillance Program to Control the Spread of MRSA in Healthcare Settings – Aligning Your Team.
58. Workshop on Personal Protective Equipment for Healthcare Workers in the Event of Pandemic Influenza: Next Steps and Research Directions, Institute of Medicine, National Academy of Sciences, Washington, DC, 3/07. Lecture: Research Priorities for Healthcare Worker Safety.
59. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/07. Lecture: Bloodstream & Catheter Infections.
60. Society for Healthcare Epidemiology of America Annual Meeting, Orlando, FL, 4/08. Lecture: Controversies in Critical Care: Antimicrobial Coated Catheters: Pro and Con Debate.
61. Society for Healthcare Epidemiology of America Annual Meeting, Orlando, FL, 4/08. Meet the Consultant: Bloodstream Infections.
62. Cedars-Sinai Medical Center Infectious Diseases Grand Rounds, Los Angeles, CA, 6/08. Lecture: Prevention and Management of Catheter-Related Bloodstream Infections.
63. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/08. Lecture: Bloodstream & Catheter Infections.
64. Society for Healthcare Epidemiology of America Annual Meeting, San Diego, CA, 3/09. Meet the Consultant: Bloodstream Infections.
65. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/09. Lectures: Bloodstream & Catheter Infections. Lecture: Translating Research into Practice.
66. Institute of Medicine Workshop on Personal Protective Equipment for Healthcare Workers in the Workplace Against H1N1 Influenza A, National Academy of Sciences, Washington, DC, 8/09. Lecture: Infection Control Measures to Mitigate Risk of Prevent Swine-Origin H1N1 Transmission to Healthcare Workers.
67. Infectious Diseases Society of America Annual Meeting, Philadelphia, PA, 10/09. Lecture: Pathogenesis and Prevention of Catheter-Related Bloodstream Infections. Panel Discussant: Challenging Cases Session.
68. 5th Decennial International Conference on Nosocomial Infections, Centers for Disease Control, the National Foundation for Infectious Diseases, and the American Society for

- Microbiology, Atlanta, GA, 2010. Lecture: Advances in the Prevention of Catheter-Associated Bloodstream Infections.
69. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/10. Lecture: Bloodstream & Catheter Infections.
  70. Interscience Conference on Antimicrobial Agents and Chemotherapy, Boston, MA, 9/10. Workshop. A Year in Review: Critical Analysis and Application of Treatment Guidelines for Infectious Diseases. Lecture: Management of Intravascular Catheter-Related Infections.
  71. Association for Vascular Access Annual Meeting, Washington, DC, 9/10. Lecture: Management and Prevention of Intravascular Catheter-Related Infections.
  72. SHEA/CDC HAI Northeast Regional Training Program, Boston, MA, 2/11. Lecture: Preventing Central Line-Associated Bloodstream Infections. Lecture: Preventing Catheter-Associated Urinary Tract Infections. Lecture: Practical Issues in Infection Prevention and Control of Device-Related HAIs.
  73. Society for Healthcare Epidemiology of America Annual Meeting, Dallas, TX, 4/11. Meet the Consultant: Prevention of Central Line Associated Bloodstream Infections.
  74. NASA Microbiology Workshop. Johnson Space Center, Houston, TX, 4/11. Lecture: Infection Control Challenges in Space Travel <http://ntrs.nasa.gov/search.jsp>.
  75. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/11. Lecture: Bloodstream & Catheter Infections.
  76. Interscience Conference on Antimicrobial Agents and Chemotherapy. Chicago, IL, 9/11. Lecture: Con Position of Pro/Con Debate - Should We Be Routinely Using Antimicrobial Lock Solutions to Prevent Catheter-Associated Bloodstream Infections?
  77. Infectious Diseases Society of America Annual Meeting, Boston, MA, 10/11. Panel Discussant: Challenging Cases Session.
  78. Cedars-Sinai Medical Center Infectious Diseases Grand Rounds, Los Angeles, CA, 4/12. Lecture: An Update on Prevention and Management of Catheter-Related Bloodstream Infections.
  79. Colby College, Waterville, MA, 4/12. Lecture: Bird Flu, The Global Village, and Human Pandemics. What You Should Know.
  80. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/12. Lecture: Bloodstream & Catheter Infections.
  81. Infectious Diseases Society of America Annual Meeting, San Diego, CA, 10/12. Panel Discussant: Challenging Cases Session.
  82. Boston University Medical Center Infectious Diseases Grand Rounds, Boston, MA, 1/13. Lecture: MRSA – A Potpourri of Recent Publications.
  83. Baystate Medical Center Medical Grand Rounds, Springfield, MA, 2/13. Lecture: Management of Intravascular Catheter Infections.

84. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/12. Lecture: Bloodstream & Catheter Infections
85. Des Moines VA Medical Center Grand Rounds, Des Moines, IA, 5/14. Lecture: Infection Prevention During Prolonged Human Space Flight.
86. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/14. Lecture: Bloodstream & Catheter Infections
87. Public Workshop Sponsored by the U.S. Food and Drug Administration (FDA), Silver Springs, MD, 9/14. Lecture: Clinical Development of Drugs for the Prevention of Infections Caused by Staphylococcus aureus in the Health Care Setting.
88. Department of Anesthesiology Grand Rounds, Dartmouth-Hitchcock Medical Center, Hanover, NH, 3/15. Lecture: On the Cutting Edge of Infection Control, What to do When the Evidence is Missing?
89. Department of Anesthesiology Resident's Conference, Dartmouth-Hitchcock Medical Center, Hanover, NH, 3/15. Lecture: Prevention of Catheter-Related Bloodstream Infections.
90. Johns Hopkins U., U. Maryland, U. Pennsylvania, Washington U., Brown U., Wake Forest U. - SHEA Infectious Diseases Fellows Training Course, Baltimore, MD, 7/15. Lecture: Bloodstream & Catheter Infections.
91. ID Week, San Diego, CA 9/15. Lecture: Interventions to Prevent Biofilms Associated with CLABSI: Catheters, Locks and Caps.
92. Connecticut Hospital Association Clostridium difficile Conference. Wallingford, CT 2/16. Keynote Lecture: Clostridium difficile: Epidemiology & Control of a Modern Day Scourge.
93. New England Ophthalmological Society Annual Meeting. Boston, MA, 4/16. Lecture: Infectious Diseases Challenges Today and Prolonged Human Spaceflight Tomorrow.
94. Society for Healthcare Epidemiology of America National Meeting, Atlanta, GA, 4/16. Lecture: CLABSI: The Post-Bundle Frontier.
95. Society for Healthcare Epidemiology of America National Meeting, Atlanta, GA, 4/16. Lecture: Healthcare-Associated Infections and Antimicrobial Stewardship: Research on a Shoestring.
96. ID Grand Rounds, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, 11/16. Lecture: Prevention and Management of Intravascular Catheter-Related Infections.
97. Department of Internal Medicine Noon Conference, Cottage Hospital, Santa Barbara, CA, 1/17. Lecture: Prevention and Management of Intravascular Catheter-Related Infections.
98. Society for Healthcare Epidemiology of America Research Foundation Dinner Invited Speaker, Society for Healthcare Epidemiology of America National Meeting, St. Louis, MO, 3/17. Lecture: The Importance of Mentoring.

99. ID Conference, St. Louis University Hospital, St. Louis, MO, 3/17. Lecture: Catheter-related Bloodstream Infection: Beyond the Bundle.
100. Hospital Association of Pennsylvania Webinar, 7/17. Lecture: Prevention of Intravascular Catheter-Related Infections.
101. ID Week, San Francisco, CA, 10/18. Lecture: Beyond CLABSI: Infections of Other Vascular Devices.
102. Three Rivers APIC Annual Education Conference, Pittsburgh, PA, 10/18. Lecture: Prevention of Intravascular Catheter-Related Infections-An Update.
103. SHEA/CDC Training Certificate Course in Healthcare Epidemiology, Webstream, 4/21. Lecture: Reducing Healthcare-associated Infections.
104. IDea Incubator finalist, ID Week, Washington, DC, 10/22. Lecture: Using a UV Liquid Light Guide to Reduce Risk of Endoscope-Associated Infections.
105. Infusion Nurses Society Annual Meeting, Boston, MA, 4/23. Lecture: Prevention of Intravascular Catheter Infections.
106. American Society of Parenteral and Enteral Nutrition (ASPEN) Annual Meeting, Las Vegas, NV, 4/23. Lecture: Prevention of Intravascular Catheter Infections.
107. Society for Healthcare Epidemiology of America National Meeting, Seattle, WA, 4/23. Lecture: Town Hall Panel Discussion - Reducing Healthcare Associated Infections.
108. ID Week, Boston, MA, 10/23. Lecture: Prevention of Catheter-Related Bloodstream Infections: Compendium Update and Beyond.
109. Infection Prevention and Antimicrobial Stewardship Conference Series, Baylor School of Medicine, 5/24. Lecture: Prevention and Management of Intravascular Catheter-Related Infections.
110. University of Pennsylvania Infection Prevention Conference, Hospital of University of Pennsylvania, Philadelphia, PA, 10/24. Lecture: Prevention and Management of Intravascular Catheter-Related Infections.
111. Sepsis Alliance Symposium: Healthcare-Associated Infections. On line, 12/24. Lecture: Prevention of CRBSIs in Healthcare Settings.

## **RHODE ISLAND**

1. Rhode Island Hospital, Providence, RI, 10/91. Medical Grand Rounds: Military Tuberculosis.
2. Rhode Island Hospital, Providence, RI, 12/92. Medical Grand Rounds: An Overview of IV Catheter-Related Infections.
3. Rhode Island Hospital, Providence, RI, 1/93. Pediatric Grand Rounds: An Overview of IV Catheter-Related Infections.
4. Rhode Island Hospital, Providence, RI, 2/93. Surgical Grand Rounds: An Overview of IV Catheter-Related Infections.



5. Rhode Island Department of Health Symposium for Physicians and Dentists on Bloodborne Pathogens. Warwick, RI, 4/93. Lecture: Hepatitis B Virus Vaccine, Universal Precautions, and Transmission of Pathogens in the Office Setting.
6. Rhode Island Hospital, Providence, RI, 5/93. Medical Grand Rounds: Partially-Treated Meningitis.
7. Roger Williams Medical Center, Providence, RI, 6/93. Surgical Grand Rounds: Universal Precautions and Biohazardous Injuries.
8. Miriam Hospital, Providence, RI, 6/93. Surgical Grand Rounds: Intravascular Catheter-related Infections.
9. Miriam Hospital, Providence, RI, 9/93. Surgical Grand Rounds: Bloodborne Pathogen Transmission in the Hospital Setting and Strategies Aimed Towards Prevention.
10. Blue Cross/Blue Shield of Rhode Island, Infection Control Symposium, Providence, RI, 10/93. Lecture: Transmission of Infections in the Office Setting.
11. Rhode Island Hospital, Providence, RI, 1/94. Medical Grand Rounds: Campylobacter Infection and Guillain-Barre Syndrome.
12. Brown University AIDS Program - HIV Update: Current State of the Art, Providence, RI, 1/94. Lecture: Infection Control Issues in HIV/HBV.
13. Brown University AIDS Program, HIV/HBV Bi-Directional Transmission, OSHA Bloodborne Pathogens Regulations, and the Practicing Physician. Providence, RI, 2/94. Lecture: Infection Control Issues and OSHA Bloodborne Pathogens Regulations.
14. Women & Infants Hospital, Providence, RI, 3/94. Grand Rounds: Transmission of Bloodborne Pathogens - Risk Factors and Prevention.
15. Brown University AIDS Program, Substance Abuse & AIDS: A Faculty Development Course for Primary Care Providers, West Greenwich, RI, 3/94. Lecture: Infection Control Issues in HIV/HBV Transmission.
16. Rhode Island Hospital, Providence, RI, 7/94. Medical Grand Rounds: Significant Exposure to Blood and Body Fluids - Actual and Ideal Management.
17. Rhode Island Hospital, Providence, RI, 8/94. Surgical Grand Rounds: Modes of Transmission of Bloodborne Pathogens and their Prevention.
18. Kent County Memorial Hospital, Warwick, RI, 9/94. Symposium on Bloodborne Pathogens. Lecture: Transmission of Bloodborne Pathogens - Risk Factors and Prevention.
19. Rhode Island Hospital, Providence, RI, 4/95. Medical Grand Rounds: Neurosyphilis.
20. Rhode Island Hospital, Providence, RI, 5/95. Medical Grand Rounds: Cryptococcal Meningitis.
21. Brown University Department of Molecular Pharmacology and Biotechnology Seminar, 6/95. Lecture: Understanding Intravascular Catheter Associated Infections.
22. Rhode Island Society of Osteopathic Physicians & Surgeons Annual Conference, 9/95. Lecture: Complications Associated with Intravascular Catheters.

23. Rhode Island Hospital, Providence, RI, 10/95. Medical Grand Rounds: Emerging Threats from Microbial Pathogens.
24. Rhode Island Hospital, Providence, RI, 2/96. Medical Grand Rounds: Candida Bloodstream Infection in Hospitalized Patients.
25. Rhode Island Hospital Critical Care Update '96, Warwick, RI, 3/96. Lecture: Catheter Associated Infection in the ICU.
26. Rhode Island Hospital, Providence, RI, 7/96. Medical Grand Rounds: Prevention of Infection with Bloodborne Pathogens in Health Care Workers.
27. Rhode Island Hospital, Providence, RI, 8/96. Pediatrics Grand Rounds: Prevention of Infection with Bloodborne Pathogens in Health Care Workers.
28. Infection Control Professionals of Southern New England Meeting, Providence, RI, 10/96. Lecture: Prevention of Nosocomial Aspergillus Infections.
29. New England Association for Clinical Microbiology & Infectious Disease, Providence, RI, 11/96. Lecture: Vancomycin-Resistant Enterococci- Where Did it Come From and Why is it so Difficult to Control.
30. Women & Infants Hospital, Providence, RI, 1/97. Perinatal Management Conference: Transmission of Bloodborne Pathogens in the Healthcare Setting - Risk Factors and Prevention.
31. Rhode Island Hospital, Providence, RI, 1/97. Medical Grand Rounds: Vancomycin-Resistant Enterococci- Where Did it Come From and Why is it so Difficult to Control.
32. Brown University Primary Provider AIDS Education Program, Providence, RI, 2/97. Update on Health Care Worker Occupational Protection from Bloodborne Pathogens.
33. Roger Williams Medical Center, Providence, RI, 2/97. Medical Grand Rounds: Vancomycin-Resistant Enterococci- Where Did it Come From and Why is it so Difficult to Control.
34. Brown University AIDS Program, Providence, RI, 3/97. HIV/HBV Bidirectional Transmission, OSHA Bloodborne Pathogens Regulations and the Practicing Physician.
35. American College of Physicians Annual Meeting of the Rhode Island Chapter, Warwick, RI, 4/97. An Outbreak of Fever, Chills and Diarrhea in Hospital Employees.
36. Butler Hospital, Providence, RI, 6/97. Transmission of Bloodborne Pathogens in the Healthcare Setting - Risk Factors and Prevention.
37. The Rhode Island Health Care Association, Warwick, RI, 6/97. A Panel Discussion of Vancomycin Resistant Enterococci.
38. Rhode Island Hospital, Providence, RI, 7/97. Anesthesia Grand Rounds: Bloodborne Pathogens.
39. Rhode Island Hospital, Providence, RI, 9/97. Medical Grand Rounds: The Epidemiology and Prevention of Infection with Bloodborne Pathogens in the Healthcare Setting.
40. Rhode Island Hospital, Providence, RI, 9/97. Rhode Island Hospital PSO Special Lecture Series: HIV/HBV Bidirectional Transmission, OSHA Bloodborne Pathogens Regulations and the Practicing Physician.

41. Brown University AIDS Program, Providence, RI, 9/97. The Epidemiology and Prevention of Infection with Bloodborne Pathogens Other Than HIV in the Healthcare Setting.
42. Clinical Laboratory Science Society of Central New England Annual Meeting, RI, 5/98. Lecture: Vancomycin-Resistant Enterococci- Where Did it Come From and Why is it so Difficult to Control.
43. Critical Care Update 1998, Providence, RI, 5/98. Concepts in Catheter-Related Infections.
44. Butler Hospital, Providence, RI, 6/98. Transmission of Bloodborne Pathogens in the Healthcare Setting - Risk Factors and Prevention.
45. Rhode Island Hospital, Providence, RI, 4/99. Medical Grand Rounds: Infection in an Immunosuppressed Patient.
46. Rhode Island Hospital, Providence, RI, 5/99. Anesthesia Grand Rounds: Nosocomial Infections in the Perioperative Setting.
47. Roger Williams Medical Center, RI, 1/00. Medical Grand Rounds: Intravascular Catheter-Related Infections.
48. Rhode Island Hospital, Providence, RI, 3/00. Medical Grand Rounds: Update on Intravascular Catheter-Related Infections.
49. Newport Hospital, Newport, RI, 3/00. Grand Rounds: Vancomycin-Resistant Enterococci- Where did it Come from and Why is it so Difficult to Control.
50. American College of Physicians Annual Meeting of the Rhode Island Chapter, Warwick, RI, 4/00. Panel Discussion: Preventing the Spread of Antibiotic Resistance.
51. Critical Care Update, Providence, RI, 6/00. Vancomycin-Resistant Enterococci - Where Did it Come From, How to Control & Treat it.
52. Rhode Island Hospital, Providence, RI, 10/01. Surgical Grand Rounds: Treatment of Intravascular Catheter-Related Infections - Guidelines Based on Anecdotes, Wisdom or Facts.
53. Rhode Island Healthcare Engineers Society, RI, 1/02. Regulations for Infection Control Relating to Construction.
54. American College of Physicians Annual Meeting of the Rhode Island Chapter, Warwick, RI, 5/02. Panel Discussion: Bioterrorism & Chemical Warfare.
55. Rhode Island Hospital, Providence, RI, 10/02. Surgical Grand Rounds: MRSA & VRE - Can They be Controlled?
56. Rhode Island Hospital, Providence, RI, 2/03. Anesthesia Grand Rounds: Why is it Important to Control MRSA & VRE?
57. Rhode Island Hospital, Providence, RI, 4/03. Medical Grand Rounds: Smallpox and its Prevention.
58. Rhode Island Hospital, Providence, RI, 6/03. Medical Grand Rounds: SARS - The Next Great Pandemic?

59. Annual Critical Care Update-Changing Standards of Care in the ICU: Using Evidence-Based Medicine at the Bedside, Providence, RI, 9/03. Management of Intravascular-Catheter Related Infections in the ICU - An Interactive Case Discussion.
60. Biodefense: Medicine in the Time of Bioterrorism, Providence, RI, 11/03. Hospital Preparation for Bioterrorism.
61. Memorial Hospital of Rhode Island, Providence, RI, 1/04. Grand Rounds: Management of Catheter-Related Infections.
62. Newport Hospital, Newport, RI, 8/04. Grand Rounds: Prevention and Control of Hospital-Acquired MRSA & VRE.
63. University of Rhode Island, 9/04. Health Services Dept. Orientation Lecture: Bioterrorism – Recognition and Action.
64. Center for Biodefense & Emerging Pathogens: Medicine in the Time of Bioterrorism, Providence, RI, 11/04. Pandemic Influenza: A Story of Birds, Pigs, and Humans.
65. Rhode Island Hospital, Providence, RI, 1/05. Medical Grand Rounds: Pandemic Influenza: A Story of Birds, Pigs, and Humans.
66. Rhode Island Hospital, Providence, RI, 1/05. Pediatrics Grand Rounds: Pandemic Influenza: A Story of Birds, Pigs, and Humans.
67. Memorial Hospital, Pawtucket, RI, 3/05. Kenney Research Day: Keynote speaker - Pandemic Influenza: A Story of Birds, Pigs, and Humans.
68. Rhode Island Emergency Management Advisory Council, Cranston, RI, 3/05. Avian Influenza State Preparedness.
69. Rhode Island Hospital, Providence, RI, 11/05. Surgical Grand Rounds: Pandemic Influenza: A Story of Birds, Pigs, and Humans.
70. Roger Williams Medical Center, Providence, RI, 11/05. Grand Rounds: Pandemic Influenza: A Story of Birds, Pigs, and Humans.
71. Center for Biodefense and Emerging Pathogens, Pawtucket, Cranston, Westerly, RI, 3/06, 4/06, 5/06. Primary Care Physicians: Sentinels of the Public Health.
72. Rhode Island Labor History Society, Providence, RI, 3/06. Avian Flu: A Guide to Planning and Pandemics.
73. Brown Pulmonary Conference, Providence, RI, 4/06. Prevention of Intravascular Catheter-Related Infections.
74. Leadership Rhode Island Session Day, Providence, RI, 4/06. Planning for Pandemic Influenza.
75. Brown University Staff Development Day, Providence, RI, 6/06. Planning for Pandemic Influenza.
76. Rhode Island Osteopathic Medicine Society, Newport, RI, 8/06. Pandemic Influenza.
77. Infection Control Nurses of Southern New England Annual Meeting, Warwick, RI, 11/06. Community and Hospital-Associated MRSA.
78. Update in Internal Medicine. VA Medical Center, Providence, RI, 1/07. Pandemic Influenza.

79. Rhode Island Hospital, Providence, RI, 1/07. Orthopaedics Grand Rounds: The Epidemiology of MRSA.
80. Roger Williams Medical Center, Providence, RI, 3/07. Grand Rounds: [Prevention of Intravascular Catheter-Related Infections – An Update.](#)
81. Preventing & Controlling Infectious Agents in Healthcare Facilities Conference, Providence, RI, 5/07. Hospital Renovation, Construction and the Risk of Aspergillosis and Legionellosis.
82. Quality Partners of Rhode Island Hospital Workgroup, Providence, RI 5/08. MRSA Control.
83. Pediatric Grand Rounds, Rhode Island Hospital, Providence, RI, 5/08. How to Prevent Catheter-Related Bloodstream Infections.
84. RI chapter of National Association of Health Care Quality (NAHQ) education day, Providence, RI 10/08. Control of Hospital-Acquired Infections.
85. Memorial Hospital, Pawtucket, RI, 10/08. Grand Rounds: Hospital-Acquired Infections in 2008.
86. Rhode Island Hospital, Providence, RI, 5/09. Medical Grand Rounds: Update on Swine-Origin Influenza Virus.
87. Rhode Island Hospital, Providence, RI, 5/09. Emergency Medicine Grand Rounds: Update on Swine-Origin Influenza Virus.
88. Rhode Island Hospital, Providence, RI, 9/09. Surgery Grand Rounds: Infection Control Update.
89. American Association of Critical Care Nurses, Rhode Island Chapter, Providence, RI, 10/09. Swine Flu: An Update.
90. Rhode Island Hospital, Providence, RI, 10/09. Anesthesiology Grand Rounds: Infection Control Update.
91. Rhode Island Hospital, Providence, RI, 2/11. Medical M & M Grand Rounds: Extrapulmonary Tuberculosis.
92. Rhode Island Hospital, Providence, RI, 4/11. Medical Grand Rounds: Clostridium difficile – An Overview and Update.
93. Rhode Island Hospital, Providence, RI, 5/11. Medical Grand Rounds: Clostridium difficile: A Spore-Forming Scourge.
94. Butler Hospital, Providence RI, 6/11. Staff Association Meeting: Clostridium difficile: A Spore-Forming Scourge.
95. Rhode Island Hospital, Providence, RI, 6/11. Surgical Grand Rounds: Clostridium difficile: A Spore-Forming Scourge.
96. Roger Williams Hospital, Providence, RI, 11/11. Medical Grand Rounds: MRSA – A Potpourri of Recent Publications.
97. Rhode Island Hospital, Providence, RI, 6/12. Urology Grand Rounds: Prevention of Catheter-Associated Urinary Tract Infection.

98. Rhode Island Hospital, Providence, RI, 10/13. Anesthesiology Grand Rounds: The Anesthesiologist and Infectious Risk Posed to Patients in the Operating Room.
99. Rhode Island Tuberculosis Update, Providence, RI 9/14. Infection Control Meeting of the RI Department of Health.
100. Hospital Association of Rhode Island Conference. Providence, RI, 2/16. Keynote Lecture: Clostridium difficile: Epidemiology & Control of a Modern Day Scourge.
101. Annual Fellows' Course in Hospital Epidemiology and Infection Control, Baltimore, MD, 7/17. Lecture: Bloodstream & Catheter Infections.
102. Rhode Island Healthcare-Acquired Infection Prevention and Antimicrobial Stewardship Coalition Conference. Warwick, RI, 8/16. The Science of Clostridium Difficile: Why is it so hard to get rid of?
103. Rhode Island Healthcare-Acquired Infection Prevention and Antimicrobial Stewardship Coalition Conference. Lincoln, RI, 5/17. Understanding the Real Cost of Hospital-Acquired Infections.
104. Annual Fellows' Course in Hospital Epidemiology and Infection Control, Providence, RI, 7/17. Lecture: Bloodstream & Catheter Infections.
105. Rhode Island Healthcare-Acquired Infection Prevention and Antimicrobial Stewardship Coalition Conference. Lincoln, RI, 1/18. New and emerging infections/the new HAI reporting regulations from the Department of Health.
106. Annual Fellows' Course in Hospital Epidemiology and Infection Control, Providence, RI, 7/18. Lecture: Bloodstream & Catheter Infections.
107. Pediatric Grand Rounds, Rhode Island Hospital. Providence, RI, 1/23. Prevention of Intravascular Catheter-Related Infections.

### **BROWN UNIVERSITY TEACHING ROLES**

<b>Course Title</b>	<b>Role</b>	<b>Students Per Session</b>	<b>Sessions Per Year</b>	<b>Academic Year</b>
BIO 307/Infectious Diseases	Co-course Leader (Rhode Island Hospital site)	0-2	12	1993-P
BIO 274/Pharmacology Group Independent Study Project	Lecturer	~20	1	1993-94
BIO 158/Medical Microbiology	Lecturer	~70	1	1993-94
BIO 158/Medical Microbiology	Small Group Leader	5-10	1	2002-04
BIO 540/Community Health	Preceptor	1	1-2	2005
IMS 282/Infectious Disease Pathophysiology	Lecturer	~70	1	1993-97
IMS 282 & 351/Infectious	Small Group	8-12	1-7	1991-99,

Disease Pathophysiology	Leader			2001-05, 2007-10, 2012, 2015, 2016
IMS 282/Infectious Disease Pathophysiology	Co-Course Leader	~70	-	1991-93
IMS 282/Infectious Disease Pathophysiology	Course Leader	~70	-	1993-97
IMS 282& 351/Infectious Disease Pathophysiology	Lecturer	~70	1	2016
BIOL3653 Integrated Medical Sciences II: Microbiology & Infectious Diseases	Lecturer	~70	1	2017-P
Faculty Development Workshop	Small Group Leader			2006
PHP 2230/ Infectious Disease Epidemiology	Lecturer	2	1	2012
BIOL 6524: Introduction to Patient Safety and Quality Improvement	Lecturer	13	1	2014
PHP 1854: Epidemiology and Control of Infectious Diseases	Lecturer	40	1	2016-P

**OTHER UNIVERSITY TEACHING ROLES**

Advanced Clinical Microbiology II Course, University of Rhode Island	Invited Lecturer	25	1	1998
Public Health Practicum, Infectious Diseases Course, University of Rhode Island	Invited Lecturer	30	1	1998
Pharmacy Practice, University of Rhode Island School of Pharmacy, Advanced Infectious Disease/Pulmonary Course	Invited Lecturer	~20	1	2003
RISD-Brown Program Industrial Design, ENGN1930M	Invited Lecturer	~20	1	2012
Bryant University PA Program	Invited Lecturer	~20	1	2015-2018

## HOSPITAL TEACHING ROLES

Course/Program	Role	Students (S), Residents (R), Fellows (F) Per Session	Hours Per Session	Session Per Year	Academic Year
Medicine in Action Program	Preceptor	1 S	6	1	1994-P
Physical Diagnosis (Biomed 373)	Preceptor	1-2S	1 ½	2-12	1993-1999, 2001-2002
Internal Medicine Ward	Teaching Attending Physician	2-4 S 3-5 R	1 ½-2	8-14	1994-2003, 2005, 2008
Infectious Disease Consult Service	Teaching Attending Physician	0-2 S 1-2 R 1-2 F	4-8	*	1991-P
Resident's Noon Conference	Lecturer	10-15 S 10-20 R	1	2-5	1991-P
Resident's Morning Report	Faculty Attendee	5-10 S 10-20 R	1	0-20	1991-2005
Critical Care, Hematology/Oncology Fellowships; Emergency Medicine, Pediatrics, Neurosurgery Residencies	Lecturer	0-5 S 0-25 R 3-5 F	1	1-6	1997-2014
National Youth Leadership Forum in Medicine	Lecturer	20 high school students	1	1	2002

\*varied from 6 weeks to 4 months per year, Monday-Friday meet with students, residents, fellow, Saturday meet only with fellow.

## MENTORSHIP

Date	Trainee	Project Title	Presentation
1993	Diego Sanchez <sup>†</sup>	Epidural catheter infection: epidemiology & pathogenesis	Interscience Conference on Antimicrobial Agents & Chemotherapy  Ph.D. Thesis, University of Malaga, Spain
1993	Marc Fiorentino <sup>**</sup>	TB skin test status of Brown University housestaff	



1994	Dan Miron <sup>†</sup>	Optimizing intravascular catheter cultures	
1994	Andrea Meyerhoff <sup>†</sup>	Practice habits of physicians who order single set blood cultures	Annual Meeting, Infectious Diseases Society of America
1995	William Pomputius <sup>†</sup>	Epidemiology of central line colonization in a neonatal ICU	Eastern Regional Meeting, Federation for Clinical Research
1995	Iman Ali <sup>*</sup>	Invasive pulmonary aspergellosis during pregnancy	
1999	Emre Noteroglu <sup>**</sup>	Handwashing & nosocomial infection	Brown University Senior Medical Resident Research Day; Brown University Dept. of Medicine Research Forum
2000	Roy Polonio <sup>‡</sup>	Adherence of Staphylococcus epidermidis to foreign bodies	M.S. Thesis, University of Rhode Island; See publication
2001	Joe Maglio <sup>**</sup>	Epidemiology of community-acquired antibiotic-resistant viridans Streptococcus infections	Brown University Senior Medical Resident Research Day; Brown University Dept. of Medicine Research Forum; See publication
2001	Tom Savinelli <sup>**</sup>	What happens when automated blood culture machines detect growth at night but there's no technicians in the microbiology lab	Brown University Senior Medical Resident Research Day; Brown University Dept. of Medicine Research Forum; See publication
2001-2	Richard Yap <sup>†</sup>	1) Micrococcus infection in prostacyclin recipients 2) Epidemiology of community-acquired antibiotic-resistant viridans Streptococcus infections	1) International Conference on Health Problems Related to the Chinese in North America; See publication 2) See publications
2001-2	Dinusha Dietrich <sup>†</sup>	Prevalence of community-acquired MRSA infections in children	Brown University Public Health Program Research Day; Brown Univ. Pediatrics Dept. Annual Research Day; Annual Hospital Research Celebration; Infectious Diseases Society of America Annual Meeting; See publication
2002-3	Charles Weaver <sup>§</sup>	Is intraventricular chlorhexidine toxic to the rat CNS	

<b>2003-4</b>	Debby Ben-David <sup>†</sup>	<p>1) Clonal MRSA spread in a burn unit despite reverse isolation and active surveillance</p> <p>2) The impact of hospital-wide active surveillance on the incidence of nosocomial MRSA infections in an endemic setting</p> <p>3) The impact of methicillin resistance on length of stay and hospital cost in patients with nosocomial S. aureus bloodstream infections</p> <p>4) Implementing hospital-wide active surveillance for methicillin-resistant S. aureus in Rhode Island hospitals</p>	<p>1) Interscience Conference on Antimicrobial Agents and Chemotherapy; See publication</p> <p>2) Annual Meeting of the Society for Healthcare Epidemiology</p> <p>3) Interscience Conference on Antimicrobial Agents &amp; Chemotherapy; See publication</p> <p>4) Annual Meeting of the Society for Healthcare Epidemiology</p>
<b>2003-4</b>	Eric Walsh <sup>§§</sup>	Microbial Colonization of Tourniquets used in Orthopaedic Surgery	See publication
<b>2004</b>	Lana Kang <sup>§§</sup>	Management of Contaminated Autogenous Bone During Orthopaedic Surgery	Annual Meeting of the Society for Healthcare Epidemiology; See publication
<b>2005</b>	Arthi Rao <sup>†</sup> Shadaba Asad <sup>†</sup>	Acute Rheumatic Fever in Rhode Island	
<b>2005</b>	Shadaba Asad <sup>†</sup>	Transfusion-Related Babesiosis in Rhode Island	See publication
<b>2006-7</b>	Kari Simundson & Nicole Alexander <sup>†</sup>	Screening for Community-Acquired MRSA	
<b>2007</b>	Lauri Hicks <sup>†</sup>	Control of MRSA in Rhode Island's Hospitals	Annual Meeting of the Society for Healthcare Epidemiology
<b>2007</b>	Eleni Patrozou <sup>†</sup>	<p>1) Does influenza transmission occur from asymptomatic infection or prior to symptom onset?</p> <p>2) An MRSA Cluster in Security Guards</p>	<p>1) See publication</p> <p>2) See publication</p>
<b>2007</b>	Jess Thompson <sup>††</sup>	Financial Burden of Nosocomial Infections	Master of Public Health Thesis; See publication

2007	Anna Barbosa**	MRSA Carriage in House Officers	Brown University Senior Medical Resident Research Day; Rhode Island American College of Physicians Meeting; See publication
2007	Phil Chan**	1) Multi-Drug Resistant Bacteria in Retail Meats	See publication
2008	Steve Kassakian*	Chlorhexidine bathing and hospital-acquired infection risk	5 <sup>th</sup> Decennial International Conference on Nosocomial Infections; See publication
2008	Omega Edwards† Trong Trinh** Phil Chan† Brian Hollenbeck	Staph aureus bacteremia from peripheral IV catheters	See publication
2008; 2011	Manuel Lam* Aleksey Novikov*	Resistance to Antimicrobial Catheters	See publication
2008	Aleksey Novikov* Aartik Sarma° Leah Seward° Jen Fieber°	Clostridium difficile diagnostics	American Association for the Advancement of Science Annual Meeting
2009	Brian Hollenbeck**	Legionella diagnostic testing	See publication
2009	Phil Chan† Natasha Rybak*** Ignacio Echenique** John Mills** Sarah Andrea*** Emily LaVeen** Russell McCulloh† Cheston Cunha** Kim Chapin	Differences in signs and symptoms of influenza-like illness of various viral pathogens	Infectious Diseases Society of America Annual Meeting; See publication
2009	Ignacio Echenique**	Characteristics and outcomes in hospitalized patients with respiratory viral co-infection	See publication
2009	John Mills**	Carbapenemase-resistant bacteria in nursing home residents	Brown University Senior Medical Resident Research Day (selected 'Best Poster'); See publication
2010	Ajar Kochar*	Medical students knowledge of infection control	
2012	Steve Kassakian**	Epidemiology of ESBL colonization & infections	Brown University Senior Medical Resident Research Day; See publication

2012	John Styczynski*	Is there a difference in C. difficile incidence comparing lab ID events to NHSN-defined infections determined by infection preventionists	
2012	Caroline Andrew*	Inappropriate PPI use in hospitalized patients	
2012	Eman Mohammed**	Febrile response in dialysis patients with Staph aureus bloodstream infection	
2012	Dan Zandman <sup>oo</sup>	Is race an independent predictor of poor C. difficile outcome	Annual Meeting of the American College of Gastroenterology
2013	Jessica Dai*	Utility of stool swab screening for ESBL to direct peri-operative antibiotics for prostate biopsy	Annual Meeting of the American Urological Association Education and Research Inc.; See publication
2013	Andrew Leone <sup>ooo</sup>	Rectal swab culture-directed antimicrobial prophylaxis for prostate biopsy and risk of post-infection: a retrospective cohort study	New England Section of the American Urological Association; See publication
2013	David Cohen** J Mazer, G Carino, A Levinson	Insertion and use of arterial catheters: a survey of clinician anti-septic technique	American Thoracic Society International Conference; See publications
2013	Steve Kassakian** Chet Cunha <sup>†</sup>	Incidence and epidemiology of carbapenemase-resistant bacteria colonization in nursing home residents at time of hospitalization	See publication
2014	Rabih Geha*	Risk of C. difficile infection in elderly patients after treatment for UTI	
2014	Delaney Conway**	Ingestion of alcohol hand hygiene products	
2014	Alex Drelick**	Cost of Ebola preparation in US hospitals	
2014	Haley Morrill <sup>oo</sup>	E. coli and K. pneumoniae resistance across the New England VA Healthcare System	Interscience Conference on Antimicrobial Agents and Chemotherapy; See publication
2014	Amanda Fantry <sup>ss</sup>	GNR infections after closed	

		fracture	
2016	Eric Chow <sup>***</sup>	Nosocomial viral respiratory infections	Brown University Senior Medical Resident Research Day; See publication
2016	Kavin Patel <sup>**</sup> Jennie Johnson <sup>†</sup>	Splenic rupture from Babesiosis	See publication
2016	Anna Yousaf <sup>†</sup>	Impact of ID consultation in patient with ‘low risk’ Staph aureus bacteremia	International Symposium on Staphylococci and Staphylococcal Infections; See publication
2017	Daniel Harris <sup>††</sup>	Respiratory virus testing in Rhode Island hospitals	See publication
2017	Eric Chow <sup>***</sup>	Hospital sick visitor and staff policies in US hospitals	See publication
2017	Burton Shen <sup>***</sup>	Reasons for short-term PICC placement	See publication
2017	YJ Choe <sup>†</sup>	Seasonality of viral and bacterial infections	See publication
2018	Sarah Weatherall <sup>*</sup>	Febrile response in dialysis patients with Staph aureus bloodstream infection	ACP Rhode Island Meeting; See publication
2018	Kori Otero <sup>††</sup>	Health disparities in influenza-related hospitalization	Master of Public Health Thesis; See publication
2018	Kavin Patel <sup>**</sup>	Splenic rupture from Babesiosis	Brown University Senior Medical Resident Research Day; See publication
2019	Leon Hseu <sup>**</sup>	Infections are associated with high degrees of bacteremia	Brown University Senior Medical Resident Research Day; See publication
2019	Rahul Sastry <sup>§</sup> Konrad Walek <sup>*</sup>	Reducing risk of extraventricular drain infections; Natural history of detecting incidental VP shunt colonization	American Academy of Neurological Surgeons Annual Scientific Meeting; See publication
2020	Rahul Sastry <sup>§</sup> Konrad Walek <sup>*</sup>	Impact of glove change during VP shunt insertion	American Academy of Neurological Surgeons Annual Scientific Meeting; See publication

2020	Konrad Walek*	Incidence and etiology of neurosurgical infections	American Academy of Neurological Surgeons Annual Scientific Meeting; See publication
2019	Rahul Sastry <sup>§</sup> Elaina Wang*	Antibiotic prophylaxis for neurosurgery	See publication
2020	Marten Basta <sup>†</sup>	Alpha defensin as a biomarker for breast implant infections	American Society for Plastic Surgery Annual Meeting; See publication
2020	Anusha Boyanpally <sup>‡‡</sup> Brandon James <sup>‡‡</sup> William Nestor <sup>‡‡‡</sup> Christopher MacKay <sup>**</sup> Danni Fu <sup>**</sup> Augustus Chang <sup>**</sup>	Association of COVID-19 with acute MI and stroke	
2020	Winston McCormick*	Association of reproductive number and particle to plaque ratio	See publication
2020	Pinar Arikan <sup>**</sup> Leon Hseu <sup>**</sup>	SARS-CoV-2 cycle threshold >3 months from initial COVID-19 infection	
2022	Arjun Gangi*	Antibiotic prophylaxis in penetrating traumatic brain injury	See publication
2022	Winston McCormick* Rebecca Wales*	Impact of positive catheter-drawn blood cultures	ACP Rhode Island Meeting
2022	Winston McCormick*	Impact of wearing glasses on COVID risk	
2023	Alex Praela*	Spine infections in patients using intravenous drugs	See publication

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\*\*\*\* Warren Alpert Medical School of Brown University Neurosurgery Resident

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§ Warren Alpert Medical School of Brown University Neurosurgery Resident  
§§ Warren Alpert Medical School of Brown University Orthopaedics Resident  
†† Brown University, Program in Public Health MPH candidate  
††† Brown University, Program in Public Health PhD candidate  
° Brown University Graduate Student Dept. of Engineering  
°° Warren Alpert Medical School of Brown University Gastroenterology Fellow  
°°° Warren Alpert Medical School of Brown University Urology Resident  
∞ University of Rhode Island School of Pharmacy  
∞∞ Warren Alpert Medical School of Brown University Orthopedics Resident  
‡‡ Warren Alpert Medical School of Brown University Neurology Stroke Fellow  
‡‡‡ Warren Alpert Medical School of Brown University Cardiology Fellow  
+ Warren Alpert Medical School of Brown University Plastic Surgery Resident  
++ Warren Alpert Medical School of Brown University Pediatric Infectious Disease Fellow

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