

**CURRICULUM VITAE**  
**ALLAN ROBERT TUNKEL, MD, PhD, MACP**

Professor of Medicine and Medical Science  
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EDUCATION

Undergraduate	Seton Hall University South Orange, New Jersey 1972-1976 Degree: B.S. in Biology, 1976
Graduate	College of Medicine and Dentistry of New Jersey Graduate School of Biomedical Sciences Newark, New Jersey 1976-1980 Degree: Ph.D. in Experimental Pathology, 1980 Honors: Merit Scholarship
Medical	University of Medicine and Dentistry of New Jersey New Jersey Medical School Newark, New Jersey 1980-1984 Degree: M.D., 1984 Honors: Alpha Omega Alpha Honor Medical Society

POSTGRADUATE TRAINING

Residency/Chief Residency	Internal Medicine Hospital of the Medical College of Pennsylvania Philadelphia, Pennsylvania 1984-1988
Fellowship	Infectious Diseases University of Virginia Health Sciences Center 1988-1991

## POSTGRADUATE HONORS AND AWARDS

- Fellowship, American College of Physicians (1991)
- Excellence in Teaching Award from Medicine Housestaff, Medical College of Pennsylvania Hospital (1992)
- Administration of Oath at Commencement, Medical College of Pennsylvania (1993)
- Golden Apple Award for Excellence in Teaching from Class of 1993, Medical College of Pennsylvania (1993)
- Golden Apple Award for Excellence in Teaching from Class of 1994, Medical College of Pennsylvania (1993)
- Investiture at Commencement, Medical College of Pennsylvania (1994)
- Gender Equity Award, American Medical Women's Association (1994)
- Administration of Oath at Commencement, Medical College of Pennsylvania (1995)
- Trustees' Award for Teaching Excellence, Medical College of Pennsylvania (1995)
- Investiture at Commencement, Medical College of Pennsylvania (1996)
- Golden Apple Award for Excellence in Teaching from Class of 1996, Medical College of Pennsylvania (1996)
- Gender Equity Award, American Medical Women's Association (1997)
- Golden Apple Award for Excellence in Teaching from Class of 1997, Allegheny University of the Health Sciences, MCP Hahnemann School of Medicine (1997)
- Dean's Special Award for Excellence in Clinical Teaching, Allegheny University Hospitals, MCP (1998)
- Investiture at Commencement, Medical College of Pennsylvania (1998)
- Fellowship, Infectious Diseases Society of America (1998)
- Dean's Special Award for Excellence in Clinical Teaching, Medical College of Pennsylvania Hospital (1999)
- Benediction at Commencement, MCP Hahnemann University School of Medicine (1999)
- Investiture at Commencement, MCP Hahnemann University School of Medicine (2000)
- Administration of Oath at Commencement, MCP Hahnemann University School of Medicine (2001)
- The Walter Rubin Award for Excellence in Teaching from Internal Medicine Residents, MCP Hahnemann University (2001)
- Best Doctors in America (2001-2002)
- Golden Apple Award for Excellence in Teaching from Class of 2002, MCP Hahnemann School of Medicine (2002)
- Dean's Special Award for Excellence in Clinical Teaching, Medical College of Pennsylvania Hospital (2002)
- Philadelphia Magazine's Top Docs, Infectious Diseases (2002)
- Marshall at Commencement, MCP Hahnemann School of Medicine (2002)

- Administration of Oath at Commencement, Drexel University College of Medicine (2003)
- Listed in Guide to America's Top Physicians (2003)
- Fellow, College of Physicians of Philadelphia (2003)
- Best Doctors in America (2003-2004)
- Golden Apple Award for Excellence in Teaching from Class of 2004, Drexel University College of Medicine (2004)
- Listed in Guide to America's Top Physicians (2004-2005)
- Administration of Oath at Commencement, Drexel University College of Medicine (2005)
- Christian R. and Mary F. Lindback Foundation Award, Drexel University (2005)
- Best Doctors in America (2005-2006)
- Laureate Award from the PA Chapter of the ACP (2005)
- Listed in Guide to America's Top Physicians (2006)
- Marshall at Commencement, Drexel University College of Medicine (2007)
- Third Year Class Award from Medicine Residents, Monmouth Medical Center (2007)
- Listed in Guide to America's Top Physicians (2007)
- Best Doctors in America (2007-2008)
- Mastership, American College of Physicians (2008)
- Elias Abrutyn, MD Mentoring Award, Drexel University College of Medicine (2008)
- Listed in Guide to America's Top Physicians (2008)
- Attending of the Year, Internal Medicine Residents, Monmouth Medical Center (2009)
- Listed in Guide to America's Top Physicians (2009)
- Keynote Speaker at Student Clinician Ceremony, Drexel University College of Medicine Class of 2011 (2009)
- Best Doctors in America (2009-2010)
- Physician Partners in Care Award, Monmouth Medical Center (2010)
- Listed in Guide to America's Top Physicians (2010)
- Best Doctors in America (2011-2012)
- APPLE Award from Institute for Nursing, New Jersey State Nurses Association (2011)
- Listed in Guide to America's Top Physicians (2012)
- Best Doctors in America (2013)
- Listed in Guide to America's Top Physicians (2013)
- Blockley-Osler Award, Drexel University College of Medicine (2013)
- Physician Leadership Award, Monmouth Medical Center (2013)
- Physician Service Award, Chinese Medical Program at Monmouth Medical Center (2013)
- June F. Klinghoffer Clinical Educator Award, Drexel University College of Medicine (2013)
- Listed in Guide to America's Top Physicians (2014)

- Best Doctors in America (2014)
- Listed in Guide to America's Top Physicians (2015)
- Master of Arts *ad eundem*, Brown University (2015)
- Best Doctors in America (2015-2016)
- Faculty Marshall at Commencement, Warren Alpert Medical School (2016)
- Faculty Award from Class of 2016, Warren Alpert Medical School (2016)
- Dean's Excellence in Teaching Award, Warren Alpert Medical School (2016)
- Faculty Marshall at Commencement, Warren Alpert Medical School (2017)
- Certificate of Recognition for Exemplary Teaching in Microbiology/Infectious Disease Course (2017)
- Faculty Award from Class of 2017, Warren Alpert Medical School (2017)
- Listed in Guide to America's Top Physicians (2017)
- Best Doctors in America (2017-2018)
- Keynote Speaker at the White Coat Ceremony at Cooper Medical School of Rowan University (2018)
- Clinical Teacher Award, Infectious Diseases Society of America (2018)
- Commencement Speaker at the Warren Alpert Medical School of Brown University (2019)
- Certificate of Recognition for Exemplary Teaching in Microbiology/Infectious Disease Course (2019)
- Best Doctors in America (2019-2020)

#### PROFESSIONAL LICENSES AND BOARD CERTIFICATION

- Diplomate, National Board of Medical Examiners No. 291876 (1985)
- Commonwealth of Pennsylvania No. MD-033997-E (1985-2005)
- Diplomate, American Board of Internal Medicine No. 112038 (1987, indefinite)
- Diplomate in Infectious Diseases, American Board of Internal Medicine No. 112038 (1992-2002)
- Recertification in Infectious Diseases (2002-2012)
- State of New Jersey No. 25MA08042500 (2006-2013)
- Recertification in Infectious Diseases (2012-2022)
- State of Rhode Island No. 14407 (2013-present)

#### ACADEMIC APPOINTMENTS

- Instructor in Medicine, Medical College of Pennsylvania (1987-1988)
- Visiting Lecturer in Clinical Medicine, Pennsylvania College of Optometry (1988)
- Assistant Professor of Medicine, Medical College of Pennsylvania (1991-1993)
- Co-Director, Medicine Subinternship (1991-1996)
- Assistant Director, Internal Medicine Residency Program, Medical College of Pennsylvania Hospital (1991-1994)

- Associate Professor of Medicine, Medical College of Pennsylvania (1993-1998)
- Director, Course in Tropical Medicine and Infectious Diseases (1993-2003)
- Director, Medicine Subinternship (1994-2003)
- Director, Senior Year Discipline-Based Medicine Pathway (1994-2005)
- Director, Internal Medicine Residency Program, Medical College of Pennsylvania Hospital (1995-1997)
- Associate Chair for Education, Department of Medicine, MCP Hahnemann University (1997-2000)
- Director, Internal Medicine Residency Program, MCP Hahnemann University (1997-2002)
- Professor of Medicine, MCP Hahnemann University (1998-2002)
- Co-Director, Medicine-Pediatrics Residency Program, MCP Hahnemann University-St. Christopher's Hospital for Children (1998-2002)
- Vice Chair for Education, Department of Medicine, MCP Hahnemann University (2001-2002)
- Interim Chief, Division of Infectious Diseases and Director, Infectious Diseases Fellowship Program (2001-2002)
- Vice Chair, Department of Medicine, Drexel University College of Medicine (2003-2004)
- Associate Dean for Admissions, Drexel University College of Medicine (2002-2005)
- Senior Associate Dean for Academic Campuses, Drexel University College of Medicine (2004-2005)
- Professor of Medicine, Drexel University College of Medicine (2002-2013)
- Adjunct Professor of Medicine, Drexel University College of Medicine (2013-present)
- Associate Dean for Medical Education, Warren Alpert Medical School of Brown University (2013-2018)
- Professor of Medicine, Warren Alpert Medical School of Brown University (2013-present)
- Professor of Medical Science and Chief of the Section of Medical Education, Warren Alpert Medical School of Brown University (2015-present)
- Senior Associate Dean for Medical Education, Warren Alpert Medical School of Brown University (2018-present)

#### HOSPITAL APPOINTMENTS

- Chair, Department of Medicine, Monmouth Medical Center (2006-2013)

#### OTHER APPOINTMENTS

- Sepsis Section Editor, Current Infectious Disease Reports (1999-2000)
- MDConsult – Infectious Disease Editorial Board (2001-2004)

- Journal of Medical Case Reports, Associate Editor (2001-2010)
- Central Nervous System and Eye Infections Editor, Current Infectious Disease Reports (2001-2010)
- BioMed Central Infectious Disease Editorial Board (2002-2013)
- Editor, Medical Education Issue, Rhode Island Medical Journal (2014)
- Section Editor, Infectious Diseases for the 8<sup>th</sup> Edition of Youmans and Winn Neurological Surgery

## HOSPITAL COMMITTEES

### Medical College of Pennsylvania Hospital

- Graduate Medical Education Committee (1987-1988)
- Residency Review Committee (1987-1988)
- Medical Records Committee (1987-1988)
- DNR Committee (1987-1988)
- Pharmacy and Therapeutics Committee (1991-1994); Chair (1993-1994)
- Critical Care Committee (1992-1994)
- Emergency Care Committee (1992-1994)
- Patient Focus Initiative Task Force (1993-1994)
- MICU Planning Committee (1993-1994)
- Patient Chart Redesign Task Force (1993-1994)
- Patient Focus Initiative Education Task Force (1993-1994)
- Executive Medical Board (1993-1994)
- Nominating Committee, MCP Hospital Medical Staff (1999)
- Chair, Physician Health Committee (1998-2004)
- Chair, Professional Conduct Committee (1998-2004)
- Executive Medical Board (1998-2004); Secretary-Treasurer (2003-2004)

### Philadelphia Veterans Affairs Medical Center

- CPR Committee (1987-1988)
- MICU Committee (1987-1988)
- Utilization Review Committee (1987-1988)
- Primary Care Steering Committee (1993-1994)

### Monmouth Medical Center

- Taskforce on Outmigration (2007-2008)
- Emergency Department Operations Committee (2007-2008)
- CHF Task Force (2007-2008)
- Chair, Department of Psychiatry Chair Search Committee (2007-2008)
- Cardiology/Medicine Task Force (2006-2010)
- Residency Review Committee (2006-2013)
- Credentials Committee (2006-2013)
- Medical Executive Committee (2006-2013)

- Performance Improvement Council (2006-2013)
- Safety Committee (2006-2013)
- Emergency Preparedness Committee (2006-2013)
- Ethics Committee (2006-2013)
- GME Committee (2006-2013)
- Medical Records Committee (2006-2013); Chair (2009-2013)
- ACS Committee (2006-2013), MMC
- Strategic Planning Committee (2006-2013)
- Midlevel Practitioners Credentials Committee (2007-2013)
- Outpatient Business Development (2008-2013)
- Strategic Planning, Barnabas Health Medical Group (2011-2013)
- Search Committee for Chair of Surgery (2012-2013)
- Pneumonia/COPD Readmission Task Force (2012-2013)
- Search Committee for Assistant Dean for Student Affairs (2012-2013)
- Chair, Strategic Workgroup Subcommittee – Transitioning Care in Response to the Changing Health Environment (2013)

#### Barnabas Health

- Evidence Based Practice Council (2007-2008)
- Research Institute Council (2007-2008)
- Chair, Research Ethics Committee (2008-2009)
- Research Oversight Committee (2008-2009)
- Research Operations Task Force (2008-2009)
- GME Committee (2006-2013)
- Research Committee (2009-2013)
- Chair, Research Conflict of Interest Committee (2009-2013)

#### UNIVERSITY COMMITTEES

##### CMDNJ-Graduate School of Biomedical Sciences

- Vice-President, Graduate Student Association (1978-1979)
- President, Graduate Student Association (1978-1979)
- Representative for Middle States Accreditation (1979)

##### UMDNJ-New Jersey Medical School

- Search Committee for Chair, Department of Pathology (1983-1984)

##### Medical College of Pennsylvania/Drexel University College of Medicine

- Library Committee (1985-1987)
- Residency Evaluation Committee (1991-1995)
- Program Advisory Committee (1991-1995)
- Thesis Committee: Donna L. Riddle: “Comparison of the MicroScan Rapid Yeast Identification Panel and the Vitek Yeast Biochemical Card with the API 20C Clinical Yeast System” (1992)

- Chair, Junior Clerkship Orientation Committee (1993)
- Faculty-Administration-Student Relations Committee (1993)
- Thesis Committee: Grace Crawford: “Study on the Feasibility of Using a Filter Paper Blood Sampling Technique to Assess the Prevalence of *Legionella* Antibodies among Subjects from Brazil” (1995)
- Steering Committee of the Faculty (1995-1996)
- Executive Committee of the Faculty (1995-1996)
- Executive Committee, Department of Medicine (1995-1997)
- Student Education Coordinating Committee (1995-1997)
- Faculty Student Relations Committee (1995-1997)
- Policy and Procedure Task Force (1995-1997)
- Task Force on Research and Development in Education (1995-1997)
- Generalist Initiative Working Group in Internal Medicine (1995-1997)
- Task Force on Merging the Internal Medicine Residency Programs of the Medical College of Pennsylvania Hospital and Hahnemann University Hospital (1995-1997)
- Resident Research Committee (1995-1997); Chair (1996-1998)
- Search Committee for Chair of Women’s Health Institute (1997-1998)
- Education Conference Planning Committee (1997-1998)
- Advisory Board for Integrated Curriculum (1997-1998)
- Advisory Board for Women’s Health Education Program (1997-1998)
- Trustees’ Award Winners Task Force (1997-1998)
- GME Subcommittee on Core Curriculum and Funding (1997-1998)
- Chair, Task Force on Introduction of Women’s Health into the Medical School Curriculum (1997-1998)
- Chair, OB-GYN Internal Review Committee (1998)
- Commencement Committee (1999)
- Chair, Psychiatry Internal Review Committee (1999)
- Member, Pathology Internal Review Committee (1999)
- Strategic Planning Committee (2000), Department of Medicine
- Chair, Education Summit Planning Committee (2000)
- Graduate Medical Education Committee (1991-2002)
- National Academy on Women’s Health Med Education (1994-2002)
- Women’s Health Institute (1994-2002)
- Director, Six-Year Integrated Program in Internal Medicine (1994-2002)
- Residency Education Committee (1994-2002)
- Graduate Medical Education Subcommittee (1997-2002)
- Clerkship Directors Committee (1997-2002)
- Education Coordinating Committee, School of Medicine (1998-2002)
- Management Committee, Department of Medicine (2001-2002)
- Chair, Task Force to Review Student Clinical Evaluation Form (2001-2002)
- Judge, Discovery 2002 Poster Presentations (2002)
- Judge, Discovery Podium Presentations (2003)
- Forum for Innovation – Drexel University COM (2003)

- Department of Medicine Appointments and Promotions Committee (2002-2004)
- Chair, Task Force to Integrate Basic Science into Clinical Curriculum (2002-2004)
- Faculty Advisor, Internal Medicine Interest Group (1995-2004)
- Special Elective Request Subcommittee (2003-2004)
- Third and Fourth Year Clinical Curriculum Subcommittee (1995-2004)
- Third and Fourth Year Student Promotions Committee (1995-2004)
- Education Vice Dean's Committee (2002-2005)
- MD/PhD Committee, Drexel University College of Medicine (2001-2005)
- Judge, Discovery Day Abstract Competition (2002-2004)
- Chair, Medical School Admissions Committee (2002-2005)
- Faculty Day Awards Committee (2002-2005)
- Woman One Scholarship Committee (2002-2005)
- Oksana Korzeniowski, MD Medical Mission Fund (2002-2005)
- Dean's Cabinet (2004-2005)
- Drexel Summer Institute Committee (2004-2005)
- Education Leadership Committee, Department of Medicine (2004-2005)
- DME/GME Committee of College of Medicine (2004-2005)
- Oversight Committee, Saint Peter's University Hospital (2004-2005)
- Medical Education Committee, Abington Memorial Hospital (2004-2005)
- Quality Care Committee, Drexel University Physicians (2004-2005)
- Chair, Search Committee for Chair of the Department of Family, Community and Preventive Medicine (2004-2005)
- Discovery 2005 Committee (2004-2005)
- Appointments and Promotions Committee (2007-2011)
- Medical School Admissions Committee (2009-2010)
- Strategic Planning Committee; Co-Chair, Subcommittee on Enhancing and Expanding Relationships with Partners (2011-2012)
- LCME Self-Study Task Force (2011-2013)
- Faculty Councilor, Alpha Omega Alpha Honor Medical Society (1998-2013)

#### Warren Alpert Medical School of Brown University

- Dean's Leadership Committee (2013-present)
- PLME Admissions (2013-present)
- PLME Academic Advising Committee (2013-present)
- Medical Curriculum Committee (2013-present)
- Medical Education Academic Standing Committee (2013-present)
- Medical Committee on Academic Standing and Professionalism, Chair (2013-present)
- Executive Committee for Primary Care-Population Medicine (PC-PM) Program (2013-present)
- Advisory Board for Primary Care-Population Medicine Program, Chair (2013-present)
- PC-PM Admissions Subcommittee (2013-present)

- PC-PM Longitudinal Integrated Clerkship Subcommittee (2013-2017)
- Chair, Medical School Directors Committee (2013-present)
- Council of Clinical Chairs (2013-present)
- Clerkship Directors Committee (2013-present)
- Administrative Policy Committee (2013-present)
- Director, MD-PhD Program (2014-2017)
- Faculty Advisor, Brown Medical Student Community Clinics (2014-2017)
- Rhode Island Area Health Education Center Advisory Committee, Chair (2014-2017)
- Academic Investment Design Committee, RI Medical Group (2014-2015)
- Executive Committee, T35 Training Grant from NHLBI (2014-present)
- Community Advisory Board, Clinica Esperanza/Hope Clinic (2015-2016)
- Member, Student Awards and Prizes Committee (2015-present)
- Race in Medicine Task Force (2015-2017)
- Search Committee for Executive Dean for Administration (2015-2016)
- Chair, Council of Directors for SAMSHA (Substance Abuse and Mental Health Services Administration) Grant (2016-present)
- Search Committee for Associate Dean for Diversity and Multicultural Affairs (2016)
- Task Force on Diversity and Inclusion (2016)
- Advisory Committee, Sigal Family Professorship in Humanism (2016-2017)
- Kent Hospital-Brown University Work Group (2016)
- Judge, Brown Hack Health (2016)
- Brown Gateways to Medicine, Healthcare and Research Advisory Committee (2016-present)
- Brown Gateways to Medicine, Healthcare and Research Operations Committee (2016-present)
- Care New England-Brown Affiliation Committee (2016-present)
- Lifespan-Brown Affiliation Committee (2016-present)
- Gold Humanism Honor Society Nominations Committee (2017-present)
- Executive Group, Committee on the Learning Environment (COLE) (2017-present)
- Member, Subcommittee on the Learning Environment (2017-present)
- Global Health Initiative Executive Committee (2017)
- Judge, Brown Hack Health (2017)
- Brown Council for Diversity in Medicine (2017-present)
- MD-PhD Advisory Committee (2017-present)
- Curriculum Refinement, Innovation, and Strategic Planning Committee (2018-present)
- Subcommittee on Diversity and Inclusive Teaching and Learning (2018-present)
- Chair, LCME Self-Study Steering Committee (2018-present)
- Co-Chair, LCME Self-Study Subcommittee on Standard 5 (2018-present)
- Member, LCME Self-Study Subcommittee on Standards 1, 2 and 10 (2018-present)

- Faculty Accreditation Lead for LCME Site Visit (2018-present)
- Advisory Board, The Harriet W. Sheridan Center for Teaching and Learning (2018-2019)
- Co-Chair, Education Committee of Brown Physicians, Inc. (2019-present)
- Working Group to Address Climate Concerns (2019-present)
- Diversity in Admissions Working Group (2019)
- Member, Search Committee for Chair of Obstetrics and Gynecology (2019-present)
- Faculty Councilor, Alpha Omega Alpha Honor Medical Society (2020)

## OTHER COMMITTEES

### National Institute of Allergy and Infectious Diseases

- Mycoses Study Group (1989-1991)

### American College of Physicians

- Abstract Selection Committee for Regional Meeting (1992)
- Abstract Selection Committee for Regional Meeting (1994)
- Eastern Pennsylvania Governor's Council (1995-1998)
- Judge of Infectious Diseases Abstracts (1998)
- Program Committee (2000)
- Abstract Review Committee (2000)
- Nominating Committee (2000)
- 2001 Program Committee (2000)
- Chair, Program Planning Committee of Annual Regional Meeting (2002)
- Awards Committee (2003)
- Council Member from the PA Southeastern Region (1999-2005)
- MKSAP-14 Infectious Diseases Committee (2004-2005)
- MKSAP-15 Infectious Diseases Committee (2007-2009)
- In-Training Exam Committee (2006-2009)
- Program Planning Committee, ACP 2011 Meeting (2009-2010)
- Council Member, NJ Chapter (2010-2012)
- MKSAP-16 Infectious Diseases Book Editor (2010-2012)
- Governor-Elect, Southern NJ Chapter (2011-2012)
- Chair, Program Planning Committee, NJ Meeting (2011-2012)
- Associate Editor, MKSAP-17 (2013-2015)
- Governor's Council, RI Chapter (2015-2016)
- Reviewer, MKSAP 17 New Info Updates (2016-2018)
- Judge, Podium Presentations, Annual Scientific Meeting of RI Chapter (2017)

### Philadelphia County Medical Society

- Faculty, Mini-Internship Program (1993)

#### Association of Program Directors in Internal Medicine

- Nominating Committee (1997-1998)
- Education Committee (1997-2002)
- Chair, Abstract Review Committee (1999-2002)

#### American Board of Internal Medicine

- Professionalism Survey (1997-1998)

#### Infectious Diseases Society of America

- Chair, Bacterial Meningitis Practice Guidelines Committee (2001-2004)
- Fellowship & Young Investigator Grants Award Committee (2001-2005)
- Society Awards Committee (2006-2008)
- Chair, Encephalitis Practice Guidelines Committee (2006-2008)
- Nominating Committee (2008-2011)
- Chair, Healthcare-Associated Ventriculitis and Meningitis Practice Guidelines Committee (2011-2017)
- Education Committee (2014-2017)
- Reviewer, ID Week Abstracts (2016)
- Reviewer, Medical Scholar Program Applications (2016-2018)

#### Food and Drug Administration

- Advisory Panel on Antimicrobials (consultant) (2003)
- Anti-infective Advisory Committee (2006-2009)

#### Association of American Medical Colleges

- Abstract Reviewer, Northeast Group on Educational Affairs (2015-present)
- Abstract Reviewer, AAMC Medical Education Conference (2016)
- Reviewer, Proposals for AAMC Clinical Innovation Award (2018)

#### Other

- Chair, Data Safety Monitoring Committee, Centocor (2003-2004)
- Group on Baccalaureate-MD Programs, COMSAWC (2002-2005)
- Medical School Advisory Committee, Grove City College (2002-2005)
- Safety Monitoring Committee – Study to Evaluate the Safety and Efficacy of a Monoclonal Antibody to West Nile Virus in Patients with CNS Disease (2009-2011)
- Council, Association of Chairs and Chiefs of Medicine (2008-2011)
- Board Member, New Jersey Goals of Care (2010-2013)
- International Encephalitis Consortium (2010-2017)
- Member, American Medical Association Accelerating Change in Medical Education Consortium (2013-present)
- Advisory Board, Encephalitis 411 (2018-present)
- Section Editor, Central Nervous System Infections, UpToDate (2018-present)

## MEMBERSHIP IN SOCIETIES

- American Medical Association (1983-1992)
- Pennsylvania Medical Society (1984-1988)
- Associate, American College of Physicians (1986-1988)
- Member, American College of Physicians (1998-1991)
- American Society for Microbiology (1998-2005)
- American Federation for Clinical Research (1989-1996)
- Association of Program Directors in Internal Medicine (1993-2002)
- Society for Healthcare Epidemiology of America (1995-1997)
- Council Member from the PA Southeastern Region of the Pennsylvania College of Internal Medicine (PCIM), ACP-ASIM (1999-2005)
- Association of American Medical Colleges (2002-2005)
- Fellow, American College of Physicians (1991-2007)
- Alpha Omega Alpha Honor Medical Society (1983-present)
- Fellow, Infectious Diseases Society of America (1999-present)
- Master, American College of Physicians (2008-present)
- Association of American Medical Colleges (2013-present)
- American Medical Association (2015-2016)
- Rhode Island Medical Society (2015-present)
- American Medical Association (2018-present)

## PUBLICATIONS

### ORIGINAL PUBLICATIONS

1. Tunkel AR, Studzinski GP. Effect of aminonucleoside on transcription, methylation, and maturation of ribosomal RNA in SV40-transformed human lung fibroblasts. *J Cell Physiol* 1981;108:239-249.
2. Tunkel AR, Studzinski GP. Adenosine analogue induced ultrastructural changes that correlate with inhibition of ribosomal RNA processing. *J Histochem Cytochem* 1984;32:363-371.
3. Tunkel AR, Pasupuleti R, Acosta WR. Improvement of idiopathic torsion dystonia following dystonia-induced cervical subluxation. *J Neurol Neurosurg Psych* 1986;49:957.
4. Tunkel AR, Shuman M, Popkin M, Seth R, Hoffman B. Minoxidil induced systemic lupus erythematosus. *Arch Intern Med* 1987;147:599-600.
5. Tunkel AR, Scheld WM. Application of therapy in animal models to bacterial infection in human disease. *Infect Dis Clin North Am* 1989;3:441-459.
6. Tunkel AR, Scheld WM. Therapy of bacterial meningitis: principles and practice. *Infect Cont Hosp Epidemiol* 1989;10:565-569.
7. Tunkel AR, Scheld WM. Alterations of the blood-brain barrier in bacterial meningitis: in vivo and in vitro models. *Pediatr Infect Dis J* 1989;8:911-913.
8. Tunkel AR, Sebastianelli K, Pandit N, Brody JI. Development of 5q-myelodysplasia in a patient with sarcoidosis. *Am J Hematol* 1990;34:225-227.
9. Tunkel AR, Starr K. Trimethoprim-sulfamethoxazole-associated aseptic meningitis. *Am J Med* 1990;88:696.
10. Tunkel AR, Wispelwey B, Scheld WM. Bacterial meningitis: recent advances in pathophysiology and treatment. *Ann Intern Med* 1990;112:610-623.
11. Tunkel AR, Wispelwey B, Scheld WM. The pathogenesis and pathophysiology of meningitis. *Infect Dis Clin North Am* 1990;4:555-581.
12. Wispelwey B, Tunkel AR, Scheld WM. Bacterial meningitis in adults. *Infect Dis Clin North Am* 1990;4:645-659.
13. Kaufman BA, Tunkel AR, Pryor J, Dacey RG Jr. Meningitis in the neurosurgical patient. *Infect Dis Clin North Am* 1990;4:677-701.

14. Tunkel AR, Scheld WM. Aztreonam. *Infect Cont Hosp Epidemiol* 1990;11:486-494.
15. Tunkel AR, Scheld WM. Acute therapy of bacterial meningitis. *J Intensive Care Med* 1991;6:229-237.
16. Tunkel AR, Scheld WM. Therapy of bacterial meningitis in children. *Int J Antimicrob Agents* 1991;1:109-115.
17. Tunkel AR, Scheld WM. Ofloxacin. *Infect Cont Hosp Epidemiol* 1991;12:549-557.
18. Tunkel AR, Rosser SW, Hansen EJ, Scheld WM. Blood-brain barrier alterations in bacterial meningitis: development of an in vitro model and observations on the effects of lipopolysaccharide. *In Vitro Cell Devel Biol* 1991;27A:113-120.
19. Tunkel AR, Fisch MJ, Schlein A, Scheld WM. *Enterobacter* endocarditis. *Scand J Infect Dis* 1992;24:233-240.
20. Tunkel AR, Wispelwey B, Quagliarello VJ, Rosser SW, Lesse AJ, Hansen EJ, Scheld WM. Pathophysiology of blood-brain barrier alterations during experimental *Haemophilus influenzae* meningitis. *J Infect Dis* 1992;165:S119-S120.
21. Greenwald BD, Tunkel AR, Morgan KM, Campochiaro PA, Donowitz GR. *Candida* endophthalmitis after lithotripsy of renal calculi. *South Med J* 1992;85:773-774.
22. Tunkel AR, Kaye D. Endocarditis with negative blood cultures. *N Engl J Med* 1992;326:1215-1217.
23. Whitman MS, Tunkel AR. Azithromycin and clarithromycin: overview and comparison with erythromycin. *Infect Cont Hosp Epidemiol* 1992;12:357-368.
24. Tunkel AR, Scheld WM. Pathogenesis and pathophysiology of bacterial meningitis. *Annu Rev Med* 1993;44:103-120.
25. Tunkel AR. Ofloxacin in the treatment of uncomplicated gonorrhea. *Penetration* 1993:51-55.
26. Sable C, Tunkel AR, Scheld WM. Adjunctive dexamethasone in the therapy of bacterial meningitis. *Infect Med* 1993;10(9):49-55.
27. Tunkel AR, Scheld WM. Pathogenesis and pathophysiology of bacterial meningitis. *Clin Microbiol Rev* 1993;6:118-136.

28. Tunkel AR, Kaye D. Neurologic complications of infective endocarditis. *Neurol Clin* 1993;11:419-440.
29. Tunkel AR. Evaluation of culture-negative endocarditis. *Hosp Practice* 1993;28(2A):59-66.
30. Tunkel AR. Bacterial meningitis: non-antibiotic modes of therapy. *Curr Op Infect Dis* 1993;6:638-643.
31. Tunkel AR, Thomas CY, Wispelwey B. *Candida* prosthetic arthritis: report of a case treated with fluconazole and review of the literature. *Am J Med* 1993;94:100-103.
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17. Ong SH, Ranganna K, Lee J, Tunkel AR, Ahmed Z. Vancomycin is the preferred antimicrobial agent for empiric therapy in hemodialysis-related infections. *Am J Kidney Dis* 2001;37:A26.
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20. Malik M, Patel D, Holden S, Tunkel AR. Clinical initiative to improve care of patients with congestive heart failure. Presented at the Ellen M. Cosgrove, MD House Staff Research Day. 2009.
21. Malik M, Patel D, Holden S, Tunkel AR. Initiative for care of heart failure patients. Poster presentation at the 21<sup>st</sup> Annual National Forum on Quality Improvement in Health Care. Institute for Healthcare Improvement. Orlando, FL. December 8, 2009.
22. Pirl M, Tunkel AR, Geissler B, Mathis AS, Angelo E, Rivera K, Windos K, Steinberger C, Jaeger J. Evidence based electronic order sets: utilizing a multidisciplinary approach to develop and standardize order sets for patient safety and quality improvement. Presented at the 2010 Quality Forum of the Saint Barnabas Health Care System. November 16, 2010.
23. Lagmay-Fuentes P, Hwang S, Singh AK, Chaya C, Hameed N, Ray D, Tunkel AR. Development of an outpatient program to reduce re-hospitalization and improve resource utilization for patients with sickle cell disease. Presented at the 2010 Quality Forum of the Saint Barnabas Health Care System. November 16, 2010.
24. Holden S, Yaman D, Mattina C, Feuker C, Wakade O, Tunkel AR. Clinical initiatives to decrease 30-day readmission rates and improve quality of care in patients with heart failure. Presented at the 2010 Quality Forum of the Saint Barnabas Health Care System. November 16, 2010.
25. Vydyula R, Jacob L, Hwang S, Tunkel AR. Risk factors for thrombosis in patients with peripherally inserted central catheters. Presented at the NJ Regional Scientific Meeting of the American College of Physicians. February 4, 2011.

26. Syed M, Tunkel AR, Syed B, Dwivedi S. Echinococcosis presenting as right upper quadrant pain 2 years after serving in Iraq. Presented at the NJ Regional Scientific Meeting of the American College of Physicians. February 4, 2011.
27. Singh A, Nivera N, Liss K, Arbes S, Haratz A, Tunkel A. Mixed cryoglobulinemia from monoclonal gammopathy with membranoproliferative glomerulonephritis: a rare event. *Am J Kidney Dis* 2011;57(4):A91.
28. Shah A, Kargutkar S, Tunkel A. Interstitial pneumonitis and adult respiratory distress syndrome associated with rituximab therapy. *Drexel Med J* 2011;5:38.
29. Shah A, Laxmi S, Mahmood A, Shertz W, Tunkel A. Invasive aspergillosis in an immunocompetent adult: an uncommon event following short term corticosteroid use in a critically ill patient. *Drexel Med J* 2011;5:38.
30. Holden S, Yaman D, Mattina C, Feucker C, Fancelli J, Wakade O, Tunkel AR. Clinical initiatives to decrease 30-day readmission rates and improve quality of care in patients with heart failure. In: Abstracts of the Fourteenth Congress of Chest Pain Centers. *Critical Pathways in Cardiology* 2011;10:149.
31. Holden S, Yaman D, Mattina C, Rapolla E, Fancelli J, Androsiglio J, Chriss C, Tunkel AR. Clinical initiatives to decrease 30-day readmission rates and improve quality of care in patients with heart failure. Presented at the 2011 Quality Forum of Barnabas Health. November 16, 2011.
32. Wakade O, Arora P, Holden S, Yaman D, McCorkell S, Chriss C, Mattina C, Tunkel AR. Evaluation of quality of life for patients with heart failure as measured by the Kansas City Cardiomyopathy Questionnaire. Presented at the 2011 Quality Forum of Barnabas Health. November 16, 2011.
33. D'Onofrio J, Dollens L, Heliotis T, Tunkel AR. Using Crimson data to achieve compliance with The Joint Commission ongoing physician performance evaluation standards. Presented at the 2011 Quality Forum of Barnabas Health. November 16, 2011.
34. Holden S, Yaman D, Mattina C, Arora P, Wakade O, McCorkell S, Laureano Z, Nye K, Chriss C, Fancelli J, Androsiglio J, Rivera K, D'Onofrio J, Tunkel AR. Initiative to decrease readmission rates and improve quality of care in patients with heart failure: a collaborative approach to management in this vulnerable patient population. Poster presentation at the 24<sup>th</sup> Annual National Forum on Quality Improvement in Health Care. Institute for Healthcare Improvement. Orlando, FL. December 11, 2012.
35. Wills J, Angi P, Israel JL, Soldivieri A, Schork M, D'Onofrio J, Tunkel AR. Clinical initiative to improve transitions in care for the frail elderly with dementia. Poster presentation at the 24<sup>th</sup> Annual National Forum on Quality Improvement in

- Health Care. Institute for Healthcare Improvement. Orlando, FL. December 11, 2012.
36. Arora P, Kemal M, Jain K, Holden S, Yaman D, McCorkell S, Mattina C, Tunkel AR. Evaluation of quality of life for patients with heart failure as measured by the Kansas City Cardiomyopathy Questionnaire. Poster presentation at the 25<sup>th</sup> Annual National Forum on Quality Improvement in Health Care. Institute for Healthcare Improvement. Orlando, FL. December 9, 2013.
  37. George P, Borkan JM, Rapoza B, Dollase R, Tunkel AR. The Primary Care-Population Medicine Program at the Warren Alpert Medical School of Brown University. Medical Education Day, University of Michigan Medical School. Ann Arbor, MI. April 7, 2014.
  38. George P, Anandarajah G, Monteiro K, Epstein-Lubow G, Cineas S, Tunkel A. Using entrustable professional activities to assess medical students in a longitudinal integrated clerkship. Presented as a poster at The 2015 Medical Education Meeting of the Association of American Medical Colleges. Baltimore, MD. November 12, 2015.
  39. George P, Borkan J, Dollase R, Dumenco L, Monteiro K, Tunkel AR. The Primary Care-Population Medicine Program at the Warren Alpert Medical School of Brown University. Presented as a poster at the AMA Accelerating Change in Medical Education Consortium Meeting. Hershey, PA. March 7, 2016.
  40. George P, Borkan J, Dollase R, Dumenco L, Monteiro K, Tunkel AR. The Primary Care-Population Medicine Program at the Warren Alpert Medical School of Brown University. Presented as a poster at the 2016 Annual Retreat of the Northeast Group on Educational Affairs. Warren Alpert Medical School of Brown University. Providence, RI. April 8, 2016.
  41. George P, Anandarajah G, Monteiro K, Epstein-Lubow G, Cineas S, Tunkel A. Using entrustable professional activities to assess medical students in a longitudinal integrated clerkship. Presented as a poster at the 2016 Annual Retreat of the Northeast Group on Educational Affairs. Warren Alpert Medical School of Brown University. Providence, RI. April 8, 2016.
  42. Mangione S, Cerceo E, Chakraborti C, Voeller M, Harrison, Bedwell W, Fletcher K, Tunkel A, Kahn MJ. Association between humanistic interests and medical students' personal qualities: a multi-institutional study. Presented as a poster at the Society of General Internal Medicine Meeting. Hollywood, FL. May 11, 2016.
  43. Mangione S, Hojat M, Harrison R, Tunkel AR, Cerceo E, Voeller M, Bedwell WL, Fletcher K, Kahn MJ. Association between humanities exposure and medical students' personal qualities: a multi-institutional survey. Presented at the

- 2<sup>nd</sup> International Meeting on Well-Being and Performance in Clinical Practice. Thessaloniki, Greece. May 21, 2016.
44. Monteiro K, Dietrich K, Borkan J, Dumenco L, Tunkel AR, Dollase R, George P. Profile of an incoming medical student class: comparison of traditional students with students enrolled in a novel population health and advocacy program. Presented at the meeting of the Society of Teachers in Family Medicine. Anaheim, CA. February 9-12, 2017.
  45. Borkan J, George P, Monteiro K, Dollase R, Mello M, Tunkel A. Making health systems science come alive at Brown University: The Primary Care-Population Medicine Program. Presented at the AMA Accelerating Change in Medical Education Spring Consortium Meeting. Scottsdale, AZ. March 28, 2017.
  46. Borkan J, George P, Mello M, Monteiro K, White J, Riese A, Dollase R, Tunkel A. Data use and epidemiology as part of a dual degree MD-ScM integrated initiative: The Primary Care-Population Medicine Program. Presented at the meeting of the Society of Teachers in Family Medicine. San Diego, CA. May 6, 2017.
  47. George P, Borkan J, Dumenco L, Monteiro K, Mello M, Tunkel AR. The primary care-population medicine program at the Warren Alpert Medical School of Brown University. Presented at the AMA Accelerating Change in Medical Education Conference. Providence, RI. April 9, 2018.
  48. Monteiro K, Borkan J, George P, Mello M, Tunkel AR. Outcomes of the primary care-population medicine program at Brown: have we made a difference? Presented at the North American Primary Care Research Group. Toronto, Canada November 18, 2019.

## INVITED PRESENTATIONS

1. Symposium. Crisis in Internal Medicine. American College of Physicians National Meeting. New York, New York (March 5, 1988).
2. Grand Rounds. Fungal Infections. Medical College Hospitals-Bucks County Campus. Warminster, Pennsylvania (September 25, 1991).
3. Grand Rounds. Fungal Infections. JFK Hospital. Philadelphia, Pennsylvania (October 16, 1991).
4. Symposium. Update in Critical Care – Bacterial Meningitis. American Academy of Neurology National Meeting. San Diego, California (May 6-9, 1992).
5. Grand Rounds. Recent Advances in our Understanding of the Treatment and Pathogenesis of Meningitis. Lankenau Hospital. Wynnewood, Pennsylvania (August 21, 1992).
6. Grand Rounds (Neurology). Bacterial Meningitis. UMDNJ-New Jersey Medical School. Newark, New Jersey (September 9, 1992).
7. CPC. An AIDS Patient with Bilateral Pulmonary Infiltrates. Graduate Hospital. Philadelphia, Pennsylvania (December 16, 1992).
8. Grand Rounds. Bacterial Meningitis. Holy Redeemer Hospital. Huntingdon Valley, Pennsylvania (March 10, 1993).
9. Grand Rounds. Infective Endocarditis. York Hospital. York, Pennsylvania (March 11, 1993).
10. Course. Update in Infectious Diseases – Meningitis. American College of Physicians. Atlantic City, New Jersey (May 12-14, 1993).
11. CPC. Cavitory Pulmonary Infiltrates in an AIDS Patient. Veterans Affairs Medical Center. East Orange, New Jersey (May 26, 1993).
12. Grand Rounds. Bacterial Meningitis. Delaware County Memorial Hospital (September 18, 1993).
13. Grand Rounds. Recent Advances in Bacterial Meningitis. Temple University Hospital. Philadelphia, Pennsylvania (September 29, 1993).
14. Symposium. Managing Meningococcal Disease in College Populations. American College Health Association. Aventura, Florida. (November 13-14, 1993).

15. Grand Rounds. Candidiasis. Holy Redeemer Hospital. Huntingdon Valley, Pennsylvania (March 23, 1994).
16. Workshop. Development of a Curriculum in Women's Health. Association of Program Directors in Internal Medicine. Miami, Florida (April 18, 1994).
17. CPC. A Cardiac Transplant Patient with Culture-Negative Endocarditis. Temple University Hospital. Philadelphia, Pennsylvania (April 20, 1994).
18. Grand Rounds. Candidiasis. Bryn Mawr Hospital. Bryn Mawr, Pennsylvania (July 7, 1994).
19. Grand Rounds. Infectious Diseases Emergencies. Frankford Hospital. Philadelphia, Pennsylvania (September 23, 1994).
20. Grand Rounds. Candidiasis. Presbyterian Medical Center. Philadelphia, Pennsylvania (October 14, 1994).
21. Workshop. Women's Health Curriculum. Association of American Medical Colleges. Boston, Massachusetts (October 31, 1994).
22. Grand Rounds. Endocarditis – An Update. Chester County Hospital (February 10, 1995).
23. Grand Rounds. Infectious Diseases Emergencies. St. Joseph's Hospital. Philadelphia, Pennsylvania (May 24, 1995).
24. Grand Rounds. Infectious Diseases Emergencies. Crozer-Chester Medical Center. Upland, Pennsylvania (October 23, 1995).
25. Grand Rounds. Sexually Transmitted Diseases. Chestnut Hill Hospital. Philadelphia, Pennsylvania (November 1995).
26. Grand Rounds. Respiratory Tract Infections. St. Joseph's Hospital. Philadelphia, Pennsylvania (November 14, 1995).
27. Grand Rounds. New Pathogens and Re-emerging Infectious Diseases. Presbyterian Medical Center. Philadelphia, Pennsylvania (November 17, 1995).
28. Symposium. Bacterial Meningitis in the Immunocompromised Host. Stockholm, Sweden (November 28, 1995).
29. Grand Rounds. Disseminated Candidiasis. Lankenau Hospital. Wynnewood, Pennsylvania (December 15, 1995).

30. Grand Rounds. Sexually Transmitted Diseases. Methodist Hospital. Philadelphia, Pennsylvania (January 30, 1996).
31. Grand Rounds. Bacterial Meningitis. Bucks County Hospital. Warminster, Pennsylvania (February 7, 1996).
32. Grand Rounds. Bacterial Meningitis. Elkins Park Hospital. Elkins Park, Pennsylvania (February 15, 1996).
33. Grand Rounds. Bacterial Meningitis. Wayne State University School of Medicine. Detroit, Michigan (April 3, 1996).
34. Grand Rounds. Clinical Approach to Meningitis. Muhlenberg Hospital. Plainfield, New Jersey (April 18, 1996).
35. CPC. A Breast Cancer Patient with Rapidly Progressive Pulmonary Infiltrates. Temple University Hospital. Philadelphia, Pennsylvania (May 15, 1996).
36. Grand Rounds. Update on the Management of Meningitis. Allegheny General Hospital. Pittsburgh, Pennsylvania (May 22, 1996).
37. Grand Rounds. Skin and Soft Tissue Infections. Albert Einstein Medical Center. Philadelphia, Pennsylvania (October 23, 1996).
38. Grand Rounds. Recent Advances in Meningitis. UMDNJ-Robert Wood Johnson Medical School. New Brunswick, New Jersey (January 15, 1997).
39. Course. Update in Infectious Diseases – Meningitis. Allegheny University of the Health Sciences. Philadelphia, Pennsylvania (May 17, 1997).
40. Symposium. Teaching Residents How to Teach – 1997 Education Conference: “The Educator’s Tool Box.” Allegheny University of the Health Sciences. Philadelphia, Pennsylvania (July 30, 1997).
41. CPC. A Homeless Patient with Culture-Negative Endocarditis. Temple University Hospital. Philadelphia, Pennsylvania (September 9, 1997).
42. Grand Rounds. Bacterial Meningitis. Allegheny University Hospitals, MCP. Philadelphia, Pennsylvania (October 1, 1997).
43. Course. Infectious Diseases ’97 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, Virginia (October 17, 1997).
44. Symposium. The Challenges of a Health Systems Merger. Association of Program Directors in Internal Medicine. Washington, DC (October 30, 1997).

45. Course. Philadelphia Board Review Course in Cardiovascular Diseases – Endocarditis. Allegheny University of the Health Sciences. Philadelphia, Pennsylvania (November 6, 1997).
46. Grand Rounds. Bacterial Meningitis. Polyclinic Hospital. Harrisburg, Pennsylvania (February 3, 1998).
47. Grand Rounds. Diagnosis and Treatment of Meningitis. Frankford Hospital. Philadelphia, Pennsylvania (April 7, 1998).
48. Symposium. An Update on Infectious Diseases – Community-acquired Pneumonia and New and Emerging Infectious Diseases. Fifth Annual Carlos J. Finlay Symposium. Society of Ibero Latin American Medical Professionals. Philadelphia, Pennsylvania (April 25, 1998).
49. Course. Philadelphia Board Review Course in Cardiovascular Diseases – Endocarditis. Allegheny University of the Health Sciences. Philadelphia, Pennsylvania (October 16, 1998).
50. Course. Infectious Diseases '98 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, Virginia (October 17, 1998).
51. Microbiology Conference. Bacterial Meningitis – Lessons Learned from Experimental Models. Northeastern Ohio Universities College of Medicine. Rootstown, Ohio (November 10, 1998).
52. Grand Rounds. Recent Advances in Bacterial Meningitis. Summa Health System. Akron, Ohio (November 11, 1998).
53. Grand Rounds (Neurology). Recent Advances in Bacterial Meningitis. MCP Hahnemann University. Philadelphia, Pennsylvania (March 25, 1999).
54. Course. Update in Infectious Diseases – Meningitis and Brain Abscess. MCP Hahnemann University. Philadelphia, Pennsylvania (June 5, 1999).
55. Course. Infectious Diseases '99 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, Virginia (October 9, 1999).
56. Grand Rounds. Recent Update on Meningitis. Medical College of Pennsylvania Hospital. Philadelphia, Pennsylvania (October 20, 1999).
57. Grand Rounds. Recent Update on the Management of Meningitis. Hahnemann University Hospital. Philadelphia, Pennsylvania (February 16, 2000).

58. Conference. Recent Advances in Bacterial Meningitis. New York University School of Medicine. New York, NY (August 24, 2000).
59. Grand Rounds. Central Nervous System Infections. Graduate Hospital. Philadelphia, Pennsylvania (September 27, 2000).
60. Course. Infectious Diseases 2000 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, Virginia (October 14, 2000).
61. Workshop. The Impact of Bankruptcy on an Internal Medicine Residency Program. Association of Program Directors in Internal Medicine. Washington, DC (October 14, 2000).
62. Grand Rounds. Meningitis. Warminster General Hospital. Warminster, PA (February 28, 2001).
63. Grand Rounds. Update on the Diagnosis and Treatment of Meningitis. Christiana Medical Center. Wilmington, DE (March 1, 2001).
64. Grand Rounds. Meningitis and Brain Abscess. Pennsylvania/Mid-Atlantic AIDS Education and Training Center. Philadelphia, PA (March 23, 2001).
65. Grand Rounds. Does Bankruptcy Influence Graduate Medical Education? MCP Hahnemann University. Philadelphia, PA (May 16, 2001).
66. Grand Rounds. Recent Advances in Bacterial Meningitis. Lehigh Valley Medical Center. Allentown, PA (May 22, 2001).
67. Grand Rounds. Recent Advances in Bacterial Meningitis. University of Virginia Health Sciences Center. Charlottesville, VA (June 11, 2001).
68. Course. Infectious Diseases 2001 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, Virginia (October 16, 2001).
69. Workshop. Bioterrorism. MCP Hahnemann University. Philadelphia, PA (October 23, 2001).
70. Neurology Grand Rounds. Central Nervous System Infections. MCP Hahnemann University. Philadelphia, PA (March 22, 2002).
71. Symposium. Recent Advances in Meningitis. 39<sup>th</sup> Annual Infectious Disease Symposium sponsored by Medical Society of Delaware. Wilmington, DE (May 7, 2002).

72. Course. Internal Medicine Board Review Course – Infectious Diseases Clinical Cases; Infective Endocarditis; Central Nervous System Infections. MCP Hahnemann University School of Medicine. Philadelphia, PA (June 15, 2002).
73. Grand Rounds. Brain Abscess. York Hospital. York, PA (June 20, 2002).
74. Seminar. Infective Endocarditis. Philadelphia College of Osteopathic Medicine Seminar in Infectious Diseases. Hershey, PA (June 30, 2002).
75. Grand Rounds. Focal Intracranial Infections. Hahnemann University Hospital. Philadelphia, PA (October 2, 2002).
76. Grand Rounds. Focal Intracranial Infections. Medical College of Pennsylvania Hospital. Philadelphia, PA (October 2, 2002).
77. Course. Infectious Diseases 2002 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, Virginia (October 8, 2002).
78. Meet-the-Professor. Meningitis. Infectious Diseases Society of America. Chicago, IL (October 26-27, 2002).
79. Grand rounds. Update on Meningitis. Easton Hospital. Easton, PA (November 1, 2002).
80. Symposium. Viral Meningitis and Encephalitis. Eastern Pennsylvania Branch of the American Society for Microbiology Symposium on Infections of the Central Nervous System. Philadelphia, PA (November 14, 2002).
81. Emergency Medicine Grand Rounds. Recent Advances in Bacterial Meningitis. Medical College of Pennsylvania Hospital. Philadelphia, PA (January 31, 2003).
82. Grand Rounds. Recent Advances in Bacterial Meningitis. Lankenau Hospital. Wynnewood, PA (February 14, 2003).
83. ER Grand Rounds. Recent Advances in Bacterial Meningitis. Christiana Medical Center. Wilmington, DE (March 5, 2003).
84. Advanced Topics in Infectious Diseases Conference. Recent Advances in Bacterial Meningitis. Memorial Sloan-Kettering Cancer Center. New York, NY (March 12, 2003).
85. Science Day. Good Germs/Bad Germs. Highland Elementary School. Abington, PA (April 16, 2003).

86. Grand Rounds. Advances in the Treatment of Bacterial Meningitis. Temple University Hospital. Philadelphia, PA (May 28, 2003).
87. Grand Rounds. Recent Advances in Bacterial Meningitis. Mercy Catholic Medical Center. Darby, PA (June 11, 2003).
88. Course. Internal Medicine Board Review Course – Infectious Diseases Clinical Cases; Central Nervous System Infections. Drexel University College of Medicine. Philadelphia, PA (June 12, 2003).
89. Professional Careers Panel. Wilkes University Premed Day. Wilkes-Barre, PA (September 26, 2003).
90. Meet-the-Professor. Meningitis – The Newborn and Beyond. Infectious Diseases Society of America. San Diego, CA (October 10-11, 2003).
91. Symposium. Bacterial Meningitis Practice Guidelines. Infectious Diseases Society of America. San Diego, CA (October 10, 2003).
92. Course. Infectious Diseases 2003 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema; and Pneumonia – Some Cases You Should Know. Tysons Corner, VA (October 21, 2003).
93. Grand Rounds. Recent Advances in Bacterial Meningitis. Guthrie Clinic. Sayre, PA (November 14, 2003).
94. Grand Rounds. Bacterial Meningitis Practice Guidelines. Wayne State University School of Medicine. Detroit, MI (December 10, 2003).
95. Grand Rounds. Practice Guidelines for the Management of Bacterial Meningitis. Medical College of Pennsylvania Hospital. Philadelphia, PA (March 10, 2004).
96. Grand Rounds. Practice Guidelines for the Management of Bacterial Meningitis. Rhode Island Hospital. Providence, RI (March 23, 2004).
97. Advanced Topics in Infectious Diseases Conference. Focal Intracranial Infections. Memorial Sloan-Kettering Cancer Center. New York, NY (March 31, 2004).
98. Grand Rounds. Practice Guidelines for the Management of Bacterial Meningitis. Holy Redeemer Hospital and Medical Center. Meadowbrook, PA (April 28, 2004).
99. Grand Rounds. Practice Guidelines for the Management of Bacterial Meningitis. William Beaumont Hospital. Royal Oak, MI (May 5, 2004).

100. 36<sup>th</sup> Annual Harold J. Jeghers Memorial Lecture. Practice Guidelines for the Management of Bacterial Meningitis. New Jersey Medical School. Newark, NJ (May 21, 2004).
101. Grand Rounds. Focal Central Nervous System Infections. Mercy Catholic Medical Center. Darby, PA (June 9, 2004).
102. Course. Internal Medicine Board Review Course – Meningitis; Infectious Diseases Clinical Cases. Drexel University College of Medicine. Philadelphia, PA (June 24, 2004).
103. Course. Infectious Diseases 2004 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (October 13, 2004).
104. Discussion Panel. Neurological Diseases in HIV-Infected Patients. Philadelphia Neurological Society. College of Physicians of Philadelphia. Philadelphia, PA (October 20, 2004).
105. Grand Rounds. Bacterial Meningitis Practice Guidelines. Wilkes-Barre Veterans Affairs Hospital. Wilkes-Barre, PA (November 19, 2004).
106. Discussion Panel. Medical School Admissions Criteria. Muhlenberg College. Allentown, PA (November 20, 2004).
107. Neurology Grand Rounds. Bacterial Meningitis Practice Guidelines. Drexel University College of Medicine. Philadelphia, PA (December 10, 2004).
108. Grand Rounds/Visiting Professor. Bacterial Meningitis Practice Guidelines. Boston University Medical Center. Boston, MA (December 17, 2004).
109. Grand Rounds. Bacterial Meningitis: Practice Guidelines. Saint Peter's University Hospital. New Brunswick, NJ (January 25, 2005).
110. Grand Rounds. Bacterial Meningitis: New Guidelines for Evaluation and Management. Abington Memorial Hospital. Abington, PA (January 26, 2005).
111. Panel. Going to Professional School after Graduation. Drexel University – Pennoni Honors Program. Philadelphia, PA (January 31, 2005).
112. Panel. 2005 Medical School Fair. Grove City College. Grove City, PA (April 9, 2005).

113. Course. Internal Medicine Board Review Course – Meningitis; Infectious Diseases Clinical Cases. Drexel University College of Medicine. Philadelphia, PA (June 4, 2005).
114. Course. Infectious Diseases 2005 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (September 12, 2005).
115. Symposium. Encephalitis Practice Guidelines. Infectious Diseases Society of America. San Francisco, CA (October 8, 2005).
116. Grand Rounds. Bacterial Meningitis Practice Guidelines. Mercy Catholic Medical Center. Darby, PA (November 16, 2005).
117. Grand Rounds. Focal Central Nervous System Infections. Abington Memorial Hospital. Abington, PA (December 14, 2005).
118. Grand Rounds. Bacterial Meningitis Practice Guidelines. Monmouth Medical Center. Long Branch, NJ (February 2, 2006).
119. Grand Rounds. Bacterial Meningitis Practice Guidelines. Thomas Jefferson University Hospital. Philadelphia, PA (March 2, 2006).
120. Pediatrics Grand Rounds. Bacterial Meningitis Practice Guidelines. Monmouth Medical Center. Long Branch, NJ (March 3, 2006).
121. Symposium. Practice Guidelines for the Management of Bacterial Meningitis; Management of Focal Central Nervous System Infections. 26<sup>th</sup> Annual Infectious Diseases Symposium. Sacramento, CA (April 1, 2006).
122. Grand Rounds. Focal Central Nervous System Infections. Easton Hospital. Easton, PA (May 5, 2006).
123. Course. Internal Medicine Board Review – Meningitis; Infectious Diseases Clinical Cases. Drexel University College of Medicine. Philadelphia, PA (June 1, 2006).
124. Discussion Panel. Influence Strategies for Physicians and Scientists: Methods for Enhancing Your Professional Effectiveness. Drexel University College of Medicine. Philadelphia, PA (June 2, 2006).
125. Keynote Speaker. Saint Peter’s University Hospital End of Year Celebration for the Internal Medicine Residency Program. New Brunswick, NJ (June 15, 2006).

126. Course. Infectious Diseases 2006 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (September 15, 2006).
127. Meet-the-Professor. Meningitis. Infectious Diseases Society of America. Toronto, Canada (October 13, 2006).
128. Grand Rounds. Meningitis Practice Guidelines. Saint Barnabas Medical Center. Livingston, NJ (November 1, 2006).
129. Dental Grand Rounds. Complications of Odontogenic Infections. Monmouth Medical Center. Long Branch, NJ (November 21, 2006).
130. Pro/Con: Steroids as Adjunct Therapy for Bacterial Meningitis. 36<sup>th</sup> Critical Care Congress of the Society of Critical Care Medicine. Orlando, FL (February 19, 2007).
131. Grand Rounds. Bacterial Meningitis. Veterans Affairs Medical Center. Phoenix, AZ (March 7, 2007).
132. Course. Internal Medicine Board Review – Meningitis; Infectious Diseases Clinical Cases. Drexel University College of Medicine. Philadelphia, PA (June 2, 2007).
133. Meet The Doctors. What’s Hot in Infectious Diseases? Elberon Public Library. Long Branch, NJ (July 26, 2007).
134. Grand Rounds. Practice Guidelines for Management of Bacterial Meningitis. Community Medical Center. Toms River, NJ (August 9, 2007).
135. Course. Infectious Diseases 2007 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (September 7, 2007).
136. Practice Guidelines for the Management of Encephalitis. Infectious Diseases Associates. Basking Ridge, NJ (September 18, 2007).
137. Grand Rounds. Practice Guidelines for the Management of Bacterial Meningitis. UMDNJ-Robert Wood Johnson Medical School. New Brunswick, NJ (September 26, 2007).
138. Neurology Grand Rounds. Practice Guidelines for the Management of Encephalitis. Drexel University College of Medicine. Philadelphia, PA (September 28, 2007).

139. Grand Rounds. Bacterial Meningitis Practice Guidelines. Cooper University Hospital. Camden, NJ (February 21, 2008).
140. Grand Rounds. Focal Central Nervous System Infections. Monmouth Medical Center. Long Branch, NJ (April 24, 2008).
141. Course. Internal Medicine Board Review – Meningitis; Infectious Diseases Clinical Cases. Drexel University College of Medicine. Philadelphia, PA (June 11, 2008).
142. Grand Rounds. Bacterial Meningitis Practice Guidelines. Newark Beth Israel Medical Center. Newark, NJ (September 4, 2008).
143. Course. Infectious Diseases 2008 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (September 19, 2008).
144. Grand Rounds. Bacterial Meningitis Practice Guidelines. Guthrie Clinic. Sayre, PA (September 26, 2008).
145. Grand Rounds. Guidelines for the Management of Encephalitis. JFK Medical Center. Atlantis, FL (November 20, 2008).
146. Conference. Bacterial Meningitis Practice Guidelines. South Carolina Infectious Diseases Society. Columbia, SC (January 24, 2009).
147. Grand Rounds. Encephalitis Practice Guidelines. Saint Peter’s University Hospital. New Brunswick, NJ (February 24, 2009).
148. Course. Internal Medicine Board Review – Central Nervous System Infections; Infectious Diseases Clinical Cases. Drexel University College of Medicine. Philadelphia, PA (June 3, 2009).
149. Keynote Speaker. Top Ten List of How to be a Humanistic Physician. Student Clinician Ceremony sponsored by the Arnold P. Gold Foundation. Drexel University College of Medicine. Philadelphia, PA (July 1, 2009).
150. Course. Infectious Diseases 2009 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (August 31, 2009).
151. Shana Foundation Lecture. Bacterial Meningitis Practice Guidelines. Jersey Shore University Medical Center. Neptune, NJ (October 13, 2009).

152. Vincent T. Andriole ID Board Review Course. Central Nervous System Infections. Infectious Diseases Society of America 47<sup>th</sup> Annual Meeting. Philadelphia, PA (October 28, 2009).
153. Meet-the-Professor. Neurosurgical Infections in Adults. Infectious Diseases Society of America 47<sup>th</sup> Annual Meeting. Philadelphia, PA (November 1, 2009).
154. Grand Rounds. Practice Guidelines for the Management of Encephalitis. Saint Barnabas Medical Center. Livingston, NJ (November 11, 2009).
155. Forum. Clinical Initiative to Improve Care of Patients with Congestive Heart Failure. 2009 Quality Forum of the Saint Barnabas Health Care System. Toms River, NJ (November 17, 2009).
156. Shana Foundation Lecture. Bacterial Meningitis Practice Guidelines. Saint Barnabas Medical Center. Livingston, NJ (April 27, 2010).
157. Symposium. Practice Guidelines for Meningitis and Encephalitis: What is the Evidence? 20<sup>th</sup> Annual Symposium and Meeting of the Florida Infectious Diseases Society. Orlando, FL (June 13, 2010).
158. Course. Internal Medicine Board Review – Central Nervous System Infections. Drexel University College of Medicine. Philadelphia, PA (June 16, 2010).
159. Course. Infectious Diseases 2010 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Washington, DC (August 30, 2010).
160. Symposium. Bacterial Meningitis. Emergency Services Meridian Health 1<sup>st</sup> Annual Symposium. Point Pleasant, NJ (September 17, 2010).
161. Panel Moderator. Living Well With Diabetes. Sponsored by Monmouth Medical Center. West Long Branch, NJ (November 17, 2010).
162. Grand Rounds. Bacterial Meningitis Practice Guidelines. Union Memorial Hospital. Baltimore, MD (November 18, 2010).
163. Grand Rounds. Practice Guidelines for the Management of Encephalitis. Nassau University Medical Center. East Meadow, NY (February 15, 2011).
164. Visiting Professor. Practice Guidelines for the Management of Encephalitis. Drexel University College of Medicine. Philadelphia, PA (February 16, 2011).

165. Symposium. Physician Performance Evaluation: Methods and Pitfalls. 2011 Association of Chairs and Chiefs of Medicine Forum. Las Vegas, NV (April 11, 2011).
166. Grand Rounds. Practice Guidelines for the Management of Bacterial Meningitis. JFK Medical Center. Atlantis, FL (April 21, 2011).
167. Grand Rounds. Practice Guidelines for Bacterial Meningitis. University Medical Center at Princeton. Princeton, NJ (May 3, 2011).
168. Symposium. Practice Guidelines for the Management of Bacterial Meningitis. 48<sup>th</sup> Annual William J. Holloway Infectious Disease Symposium. Newark, DE (May 10, 2011).
169. Course. Internal Medicine Board Review – Central Nervous System Infections. Drexel University College of Medicine. Philadelphia, PA (June 14, 2011).
170. Course. Infectious Diseases 2011 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (August 29, 2011).
171. Panel Moderator. 2<sup>nd</sup> Annual Living Well With Diabetes Event. Sponsored by Monmouth Medical Center. West Long Branch, NJ (October 6, 2011).
172. Vincent T. Andriole ID Board Review Course. Central Nervous System Infections. Infectious Diseases Society of America 49<sup>th</sup> Annual Meeting. Boston, MA (October 19, 2011).
173. Symposium – Devices and Infections: Biofilm to Bedside. Novel Prevention and Treatment of Ventricular Shunt Infections. Infectious Diseases Society of America 49<sup>th</sup> Annual Meeting. Boston, MA (October 21, 2011).
174. Grand Rounds. Focal Central Nervous System Infections. Saint Peters University Hospital. New Brunswick, NJ (November 1, 2011).
175. Graduation Speaker. Top Ten List of How to be a Successful Academic Infectious Diseases Physician. University of Virginia Infectious Diseases Fellows Graduation Dinner. Charlottesville, VA (June 25, 2012).
176. Infectious Diseases Conference. Practice Guidelines for the Management of Bacterial Meningitis. University of Virginia Health Sciences Center. Charlottesville, VA (June 26, 2012).
177. Course. Infectious Diseases 2012 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous

- Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (August 28, 2012).
178. Grand Rounds. Focal Central Nervous System Infections. Saint Barnabas Medical Center, Livingston, NJ (September 26, 2012).
  179. Vincent T. Andriole ID Board Review Course. Central Nervous System Infections – Meningitis and Encephalitis. Infectious Diseases Week 2012. San Diego, CA (October 16, 2012).
  180. Panel Moderator. 3<sup>rd</sup> Annual Living Well With Diabetes Event. Sponsored by Monmouth Medical Center. West Long Branch, NJ (October 25, 2012).
  181. Grand Rounds. Bacterial Meningitis Practice Guidelines. Saint Clare’s Medical Center. Denville, NJ (December 4, 2012).
  182. Panel Member Schwartz Center Rounds. Changing Places: The Caregiver as a Patient. Monmouth Medical Center. Long Branch, NJ (December 18, 2012).
  183. Grand Rounds. Bacterial Meningitis Practice Guidelines. Center for Health Education, Medicine and Dentistry. Lakewood, NJ (February 13, 2013).
  184. June F. Klinghoffer, MD AOA Lecture. Top Ten List of How to be a Successful Physician. Drexel University College of Medicine. Philadelphia, PA (March 20, 2013).
  185. Infectious Diseases Conference. Bacterial Meningitis Practice Guidelines. Drexel University College of Medicine. Philadelphia, PA (April 2, 2013).
  186. Medical School Success: Admission to Graduation. Network of Premedical Students, Barnard College. New York, NY (April 4, 2013).
  187. Visiting Professor. 50<sup>th</sup> Anniversary William J. Holloway Infectious Disease Symposium. Christiana Hospital. Wilmington, DE (May 6, 2013).
  188. Grace McLeod Rego Memorial Lecture. Reflections on a Career in Medicine . . . So Far. Rhode Island Hospital. Providence, RI (June 4, 2013).
  189. Course. Infectious Diseases 2013 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (August 27, 2013).
  190. Panel Moderator. Women’s Health and Sex and Gender Differences in Medical Education: Lessons Learned and Creating a Vision for the Future. Advancing

- Women's Health and Leadership – Past, Present and Future. Drexel University College of Medicine. Philadelphia, PA (September 26, 2013).
191. Mentorship for Research Success. Summer Showcase. Warren Alpert Medical School of Brown University. Providence, RI (December 4, 2013).
  192. Grand Rounds. Focal Central Nervous System Infections. JFK Medical Center. Atlantis, FL (February 27, 2014).
  193. Neurology Grand Rounds. Focal Central Nervous System Infections. Rhode Island Hospital. Providence, RI (March 5, 2014).
  194. AOA Lecture. Words of Wisdom. Warren Alpert Medical School of Brown University. Providence, RI (March 26, 2014).
  195. Advanced Topics in Infectious Diseases Conference. Bacterial Meningitis Practice Guidelines. Memorial Sloan-Kettering Cancer Center. New York, NY (March 28, 2014).
  196. Scientific Program Session. Developing Your CV for Medical Students. American College of Physicians National Meeting. Orlando, FL (April 11, 2014).
  197. The Haffenreffer Family House Staff Excellence Awards Ceremony and Lecture. Patients, Education and Life: Lessons from the Past and Thoughts for the Future. Rhode Island Hospital. Providence, RI (May 29, 2014).
  198. Presentation. Medical Schools with Innovative Pathways. Summit on the Future of Premedical Preparation. Icahn School of Medicine at Mount Sinai. New York, NY (June 15, 2015).
  199. Course. Infectious Diseases 2014 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; and Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (August 26, 2014).
  200. Infectious Diseases Conference. Focal Central Nervous System Infections. Vanderbilt University School of Medicine. Nashville, TN (September 22, 2014).
  201. MedEd Talks. Formation of a Department of Medical Education. Warren Alpert Medical School of Brown University. Providence, RI (October 28, 2014).
  202. Mentorship for Research Success. Summer Showcase. Warren Alpert Medical School of Brown University. Providence, RI (December 3, 2014).
  203. Mentorship. 2015 AMA Region VII Meeting. Warren Alpert Medical School of Brown University. Providence, RI (February 7, 2015).

204. Symposium. Future Directions. Health Disparities Symposium 2015. Warren Alpert Medical School of Brown University. Providence, RI (May 12, 2015).
205. Lecture. Top 10 Reflections on a Career in Medicine. Monmouth Medical Center Medical Staff Meeting. Long Branch, NJ (June 25, 2015).
206. Course. Infectious Diseases 2015 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema; and Viral Meningitis and Encephalitis. Tysons Corner, VA (August 31, 2015).
207. Morbidity and Mortality Conference. 90-Year-Old Female with Ear Pain. Rhode Island Hospital. Providence, RI (November 24, 2015).
208. Emergency Medicine Grand Rounds. Bacterial Meningitis Practice Guidelines. Warren Alpert Medical School of Brown University. Providence, RI (January 20, 2016).
209. Course. Infectious Diseases in Adults. Encephalitis and Healthcare-Associated CNS Infections: Guidelines and Best Practices. Sponsored by Massachusetts General Hospital and Harvard Medical School. Boston, MA (May 3, 2016).
210. Scientific Program Session. Developing Your CV for Medical Students. American College of Physicians National Meeting. Washington, DC (May 5, 2016).
211. Population Health Forum. Training “Clinicians Plus”: A New Paradigm in Medical Education. Jefferson School of Population Health. Philadelphia, PA (May 11, 2016).
212. Course. Infectious Diseases 2016 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema; and Viral Meningitis and Encephalitis. Tysons Corner, VA (August 28, 2016).
213. Course. Infectious Diseases in Adults. Encephalitis and Healthcare-Associated CNS Infections: Guidelines and Best Practices. Sponsored by Massachusetts General Hospital and Harvard Medical School. Boston, MA (April 25, 2017).
214. Course. Infectious Diseases 2017 Board Review Course – Arthritis, Osteomyelitis, and Prosthetic Joints; Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema; and Viral Meningitis and Encephalitis. Tysons Corner, VA (August 27, 2017).

215. Transformation Workshop (with Jeffrey Borkan, Kristina Monteiro, and Elizabeth Tobin-Tyler). New Content, New Pathways, New Methods: Teaching Health Systems Science through the Traditional Curriculum and a New Dual Degree Master's Program at Brown University. AMA ChangeMedEd 2017 Meeting. Chicago, IL (September 14, 2017).
216. Clinical Controversies Symposium. Spinal Epidural Abscess: Surgery for Everyone? IDWeek 2017. San Diego, CA (October 6, 2017).
217. Harry S. Dascomb Lectureship. Central Nervous System Practice Guidelines: Meningitis and Encephalitis. Louisiana State University School of Medicine. New Orleans, LA (November 17, 2017).
218. Morbidity and Mortality Conference. A 19-Year-Old Woman with Confusion. The Miriam Hospital. Providence, RI (February 28, 2018).
219. Advanced Topics in Infectious Diseases Conference. Central Nervous System Practice Guidelines: Meningitis and Encephalitis. Memorial Sloan-Kettering Cancer Center. New York, NY (March 23, 2018).
220. Moderator. AMA Accelerating Change in Medical Education Conference – Medical Education: Getting to Right. Controversies in Medical Education: Competency Assessment and Reporting. Warren Alpert Medical School of Brown University. Providence, RI (April 9-10, 2018).
221. Visiting Professor. 55<sup>th</sup> Annual William J. Holloway Infectious Disease Symposium. Christiana Care Health System. Newark, DE (May 1, 2018).
222. Morbidity and Mortality Conference. A 55-Year-Old Woman with Fevers and Altered Mental Status. The Miriam Hospital. Providence, RI (May 2, 2018).
223. Course. Infectious Diseases in Adults. Meningitis and Encephalitis: Best Practices. Sponsored by Massachusetts General Hospital and Harvard Medical School. Boston, MA (May 3, 2018).
224. Critical Care Conference. The Dean in the ICU. National Institutes of Health. Bethesda, MD (May 31, 2018).
225. Moderator. Symposium on Curriculum Development in Opioid Management: Best Practices and Future Directions. Warren Alpert Medical School of Brown University. Providence, RI (June 11-12, 2018).
226. Moderator. Setting Us Up For Future Success. 2018 UME-GME Continuum Symposium. NYU School of Medicine. New York, NY (July 13, 2018).

227. Chairman's Rounds. Central Nervous System Practice Guidelines: Meningitis and Encephalitis. SUNY-Upstate Medical University. Syracuse, NY (August 16, 2018).
228. Course. Infectious Diseases 2018 Board Review Course – Meningitis, Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema; and Viral Meningitis and Encephalitis. Tysons Corner, VA (August 26, 2018).
229. World Café Presentation. The Primary Care-Population Medicine Program: A New Paradigm of Medical Education. AMA Accelerating Change in MedEd Fall Consortium Meeting. Chicago, IL (September 7, 2018).
230. Keynote Speaker. White Coat Ceremony at Cooper Medical School of Rowan University for the Class of 2022. Glassboro, NJ (September 14, 2018).
231. Interactive Symposium. "Brain on Fire": Challenging Cases in Infectious and Inflammatory Encephalitis. IDWeek 2018. San Francisco, CA (October 4, 2018).
232. Neuroscience Symposium. Central Nervous System Practice Guidelines: Meningitis and Encephalitis. Hackensack Meridian Health. Eatontown, NJ (November 16, 2018).
233. Grand Rounds. Meningitis and Encephalitis. Lankenau Medical Center. Wynnewood, PA (February 22, 2019).
234. Fifth Annual Mid Atlantic Infectious Diseases Fellows Forum. Diagnosis and Management of Encephalitis. University of Pennsylvania. Philadelphia, PA (April 5, 2019)
235. Grand Rounds. Meningitis and Encephalitis: Updates on Diagnosis and Management. Monmouth Medical Center. Long Branch, NJ (April 11, 2019).
236. Meet the Professor. Meningitis and Encephalitis: Identification and Management. American College of Physicians National Meeting. Philadelphia, PA (April 12, 2019).
237. Course. Infectious Diseases in Adults. Encephalitis and Healthcare-Associated Central Nervous System Infection: Guidelines and Best Practices. Sponsored by Massachusetts General Hospital and Harvard Medical School. Boston, MA (April 24, 2019).
238. Discussant. New England Journal of Medicine Case Records of the Massachusetts General Hospital. Sponsored by Massachusetts General Hospital and Harvard Medical School. Boston, MA (April 25, 2019).

239. Commencement Speaker. A View from the Bed. Warren Alpert Medical School of Brown University. Providence, RI (May 26, 2019).
240. Course. Infectious Diseases 2019 Board Review Course – Encephalitis, Including West Nile and Rabies; Viral and Bacterial Meningitis; and Brain Abscess, Cavernous Sinus Thrombosis, Subdural and Epidural Empyema. Tysons Corner, VA (August 25, 2019).
241. Moderator. Unintended Consequences of Well-Being Initiatives. Thematic Analysis of Student Survey Results. AMA Accelerating Change in Medical Education Thematic Consortium Meeting: Creating a Well Institution: Developing a Sustainable Structure to Support Well-Being. A.T. Still University School of Osteopathic Medicine. Mesa, AZ (October 18, 2019).
242. Retrospective of my Graduate School Experience under George’s Mentorship. A Symposium Celebrating the Career of George Studzinski, MD, PhD. Rutgers-New Jersey Medical School. Newark, NJ (February 11, 2020).

## GRANTS

- Principal Investigator at the Medical College of Pennsylvania in an open, comparative multi-center study of fluconazole versus amphotericin B in the treatment of candidemia in non-neutropenic patients, Pfizer (1990-1993)
- Co-investigator at the University of Virginia Health Sciences Center in a study comparing the antiviral activity of LY217896 versus placebo in human influenza A virus infection (1990-1991)
- Co-investigator at the Medical College of Pennsylvania in a multi-center study evaluating the efficacy of the monoclonal antibody HA-1A in septic shock (CHESS Trial) (1992-1993)
- Principal Investigator of a study funded by the Allegheny-Singer Research Institute on the pathogenesis and pathophysiology of bacterial meningitis (1993-1995)
- Principal Investigator at Barnabas Health for a Transitions in Care Program for the Frail Elderly with Dementia, New Jersey Health Initiatives of the Robert Wood Johnson Foundation (\$300,000) (7/1/11-6/30/13)
- Principal Investigator (Warren Alpert Medical School of Brown University): Health Care, Community Progress, and Economic Development in Rhode Island: Innovations in Medical Education at Brown University. Awarded by Bank of America (\$150,000) (7/1/11-6/30/14)
- Principal Investigator (Warren Alpert Medical School of Brown University): Promoting Primary Care Career Choices in Rhode Island. Awarded by Rhode Island Foundation (\$150,000) (1/1/13-12/31/13).
- Principal Investigator (Warren Alpert Medical School of Brown University): Educating future physicians: development of a primary care-population health program. Awarded by American Medical Association. Accelerating Change in

- Medical Education: Optimizing Student Readiness for Medical Practice and Life-long Learning. (\$1,000,000) (9/1/13-8/31/18)
- Grant from Cardinal Health Foundation for Symposium “Curriculum Development in Opioid Management: Best Practices and Future Directions.” (\$452,517) (June 11-12, 2018)
  - Co-Principal Investigator (Warren Alpert Medical School of Brown University): Alpert Medical School Summer Research Program. Awarded by NIH-National Heart, Lung, and Blood Institute. Grant Number: 2T35HL094308-06; FAIN: T35HL094308. (\$208,910) (12/01/2014-11/30/2019)
  - Principal Investigator. AMA Consortium Member Grant (\$45,000) (1/2019-12/2021)
  - Co-Principal Investigator (Warren Alpert Medical School of Brown University): Alpert Medical School Summer Research Program. Awarded by NIH-National Heart, Lung, and Blood Institute. Grant Number: 2T35HL094308-11; FAIN: T35HL094308. (\$358,670) (3/1/2020-2/28/2025)

### TEACHING ROLES

- Introduction to Clinical Medicine Lecturer (1994-2003)
- Weekly Subinternship Workshops (1994-2003)
- Physical Diagnosis Preceptor (1991-2005)
- Core Infectious Diseases Lectures for Junior Students (1991-2005)
- Core Lectures for Residents and ID Fellows (1991-2005)
- Lecturer, Physician Retraining Course (1991-1996)
- Program for Integrated Learning Resource Instructor (1991-2013)
- Morning Report (1991-2013)
- Weekly Professor/Chair Rounds with Junior Students (1991-2013)
- General Medicine Attending (1991-2013)
- Core Lectures for Residents (1991-present)
- Infectious Diseases Consult Attending (1991-present)
- Lectures on ID topics for medical students (2013-present)
- Core Lecture on CNS Infections for ID fellows (2015-present)

### AD HOC REVIEWER

- New England Journal of Medicine
- Annals of Internal Medicine
- The Lancet
- The Lancet Neurology
- The Lancet Infectious Disease
- National Bacterial Meningitis Trust
- American Journal of Medicine
- Clinical Infectious Diseases

- American Journal of Respiratory and Critical Care Medicine
- International Journal of Infectious Diseases
- The Health Research Board of Ireland
- BioMed Central
- Life Sciences
- Infections in Medicine
- Pediatric Infectious Disease Journal
- Clinical Microbiology and Infection
- Meningitis Research Foundation
- Mayo Clinic Proceedings
- Cleveland Clinic Journal of Medicine
- European Journal of Clinical Microbiology and Infectious Disease
- Journal of the American Geriatrics Society
- Infection and Immunity
- Journal of Medical Case Reports
- ACP Medicine
- Medical Letter
- Critical Care Medicine
- Open Forum Infectious Diseases
- Antimicrobial Agents and Chemotherapy
- Journal of the American Medical Association
- UpToDate