February 9, 2015

Signature

# PATRICIA DIANE BROWN, M.D.

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# **EDUCATION**

1982-1986	St. Louis University School of Medicine Doctorate of Medicine, cum laude
1977-1982	University of California, Davis B.S. Biological Sciences, with highest honors
TRAINING	
1989-1992	Fellow in Infectious Diseases Wayne State University Hospitals, Detroit, Michigan
1986-1989	Resident in Internal Medicine Wayne State University Hospitals, Detroit, Michigan

# FACULTY APPOINTMENTS

2013-present	Professor of Medicine Wayne State University School of Medicine Detroit, Michigan
2001-2013	Associate Professor of Medicine Wayne State University School of Medicine Detroit, Michigan
1992-2001	Assistant Professor of Medicine Wayne State University School of Medicine Detroit, Michigan

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## HOSPITAL OR OTHER PROFESSIONAL APPOINTMENTS

February 2015-present	Associate Chief of Staff for Medicine, John Dingell VA Medical Center
2012-January 2015	Corporate Vice President of Quality and Patient Safety, Detroit Medical Center
2012-2014	Vice Chief of Staff, Detroit Receiving Hospital
2006-2012	Chief of Medicine, Detroit Receiving Hospital
2004-2006	Chairman, Department of Internal Medicine Compliance Committee and Compliance Officer Department of Internal Medicine and University Internal Medicine Specialists
2003-January 2015	Chairman, Detroit Medical Center Pharmacy and Therapeutics Committee
1995- March 2006	Educational Coordinator, Division of Infectious Diseases, Wayne State University School of Medicine
1992-1999	Associate Program Director, Internal Medicine Residency Training Program Wayne State University School of Medicine Detroit, Michigan

## MAJOR PROFESSIONAL SOCIETIES

American Medical Association American College of Physicians Infectious Diseases Society of America

# LICENSURE

Michigan

# BOARD CERTIFICATION

American Board of Internal Medicine, 1989 (#125714-no expiration)

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#### BOARD CERTIFICATION (continued)

American Board of Internal Medicine, Infectious Diseases, 1992; Re-certified, 2002, 2013 (#125714, expires 2023)

## PROFESSIONAL DEVELOPMENT

WSU Department of Internal Medicine Executive Leadership for Physician Faculty Development Program, 2011 American Association of Medical Colleges Mid Career Women Faculty Development Seminar; December 5-8, 2009 Leadership for Physician Executives. The Levinson Institute/Harvard Medical School; March 20-April 3, 2009 American Association of Medical Colleges Early Career Women Faculty Development Seminar; October 15-17, 1995

#### HONORS AND AWARDS

#### AWARDS FOR TEACHING

Department of Internal Medicine Teacher of the Year, 2010 Department of Internal Medicine Teacher of the Year, 2008 Wayne State University School of Medicine College Teaching Award, 2007 Department of Internal Medicine Teacher of the Year, 2007 Award for Excellence in Teaching from Wayne State University Internal Medicine Residents, 2004 Wayne State University School of Medicine College Teaching Award, 2003 Internal Medicine Departmental Teaching Award, 1997 Wayne State University School of Medicine College Teaching Award, 1997 Department of Internal Medicine Teacher of the Year, 1996 Award for Outstanding Teaching from WSU Senior Medical Class, 1990

#### OTHER AWARDS

Gold Humanism Honor Society 2014 Hour Detroit Magazine Top Docs (Infectious Diseases) 2008, 2011, 2012 Best Doctors in America 2003, 2004, 2005, 2006, 2007 2008 2009, 2010, 2011, 2012, 2013, 2014 Elected to Fellowship, Infectious Diseases Society of America, 2009 (awarded to approximately 12% of IDSA membership) Reader, Wayne State University School of Medicine Baccalaureate Ceremony, 2007, 2008 Elected to Fellowship, American College of Physicians, 2002 Department of Internal Medicine Protected Time Award, 2001 Patricia D. Brown Curriculum Vitae Page Four

#### OTHER AWARDS (continued)

Intern of the Year, Wayne State University Hospitals, 1987 American Medical Women's Association Scholarship, Achievement Citation, 1986 Alpha Sigma Nu, National Jesuit Honor Society, 1986 Alpha Omega Alpha, 1985 National Dean's List, 1984-1985

#### PROFESSIONAL SERVICE

National

American College of Physicians: MKSAP 17 Infectious Diseases Committee (chair)

American College of Physicians: MKSAP 16 Infectious Diseases Committee

Invited Reviewer: Guidelines for the management of cystitis and uncomplicated pyelonephritis; Infectious Diseases Society of America June 2010

Grant Reviewer: Netherlands Organization for Health and Development Health Care Research Efficacy Research Program March 2010

Grant Reviewer: Center for Disease Control and Prevention: Improving the Quality of Care and Patient Safety in Hospital and Surgical Settings. July 2008

Antimicrobial Use Special Emphasis Panel, Centers for Diseases Control and Prevention. May 2008

Peer Reviewer, Expert Reviews of Anti-infective Therapy, 2004 Peer Reviewer, Journal of Clinical Outcomes Management, 2004 Peer Reviewer, Antimicrobial Agents and Chemotherapy, 2002 Peer Reviewer, JAMA, 2002, 2003 Peer Reviewer, The Lancet, 2002 Peer Reviewer, Journal of the Neurological Sciences, 2000, 2002, 2007 Peer Reviewer, Clinical Infectious Diseases, 1995 - present.

Question Author and Reviewer, American Board of Internal Medicine, Infectious Diseases, 1996-1998.

Subspecialty Consultant: Federated Council for Internal Medicine Curriculum Project: Competency List for the Care of Patients with HIV Infection, 1995.

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PROFESSIONAL SERVICE (continued) Regional

Reviewer, Michigan State Medical Society Peer Review Organization, 1993-present

Grosse Pointe North High School Applied Medical Research Course: Challenging Case Presentation (January and April 2009, January and April, 2010, February 2011, February 2012)

Abstract Judge: Michigan State Medical Society Annual Scientific Meeting, 2010

Abstract Judge: Wayne State University Department of Internal Medicine Resident Research Day, 2007

Abstract Judge: American College of Physicians Associates Meeting, Grand Rapids, MI, 1997.

Abstract Selection Committee: American College of Physicians Regional Meeting, Traverse City, MI, 1995

Abstract Judge: American College of Physicians Associates Meeting, Ann Arbor, MI, 1995.

COMMITTEES National	
2000-2004	Infectious Diseases Society of America Practice Guidelines Committee
Regional	
2007-2010	Michigan State Medical Society Foundation Annual Scientific Meeting Program Planning Committee
2012-2014	Michigan Hospital Association Quality Council
University	
2013-present	School of Medicine Group on Women in Science and Medicine Advisory Committee
2013	Department of Internal Medicine Nephrology Search Committee
2013	School of Medicine Strategic Plan Steering Committee
2013	Department of Internal Medicine Self Study Committee (elected)
2012-2014	School of Medicine Conflict of Interest Committee
2011-2012	WSU/UPG Charge Capture Project (physician champion for Infectious Disease Division)
2008-2011	Thesis Committee for School of Medicine Doctoral Candidate Jonathan Allan; Department of Immunology and Microbiology (Advisor: Dr. Melody Neely)
2007	Chair Search Committee: Department of Internal Medicine

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# COMMITTEES (continued)

University (continued)

2007 2004-2006	Strategic Planning Committee: Graduate Medical Education Workgroup Thesis Committee for School of Medicine Doctoral Candidate Hillary McDonald; Department of Immunology and Microbiology (Advisor: Dr. Melody Neely)
2005	Internal Review Committee for the Department of Emergency Medicine
2004	Educational Development Grant Committee
1997-1999	Ad Hoc Committee on Women Faculty in the School of Medicine
Medical Center	
2012-2014	Detroit Medical Center Medication Safety Committee (chair)
2012-2014	Detroit Medical Center System Quality Committee (co-chair)
2012-2014	Detroit Medical Center Unexpected Clinical Events Committee (chair)
2011-2012	Detroit Receiving Hospital Utilization Review Committee
2011-2014	Detroit Receiving Hospital Clinical Excellence Committee
2010-2014	Detroit Receiving Hospital Patient Family Focused Care (Physician
	Champion)
2009-2014	Detroit Receiving Hospital Leadership Performance Improvement
	Committee
2008	Detroit Receiving Hospital Medical Staff Nominations Committee
2006-2014	Detroit Receiving Hospital Department of Internal Medicine
	Peer Review Committee (chair, 2006-2012)
2006-2014	Detroit Receiving Hospital Leadership Team
2006-2014	Detroit Receiving Hospital Medical Staff Operations Committee
2006-2012	Department of Medicine Central Region Credentials Committee
2004-2006 2002 January 2015	DMC Care Quality and Utilization Management Committee
2003-January 2015	Detroit Medical Center Pharmacy and Therapeutics Committee (chair) Detroit Medical Center Antimicrobial Subcommittee
2002-2005 2002-2005	Harper Hospital Community-acquired Pneumonia Task Force
2002-2003 1995-1997	Utilization Review Committee Physician's Review Group
1995-1997	Harper Hospital Utilization Review Committee
1775-1771	Harper Hospital Offization Keview Commutee

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COMMITTESS (continued)		
1993-1996	Quality Enhancement and Clinical Resource Management	
1992-1997	Subcommittee - (Standing Orders) Harper Hospital Ethics Committee	
Departmental		
2013	Search Committee, Nephrology Division Chief	
2007-2013	Department of Internal Medicine Compensation Committee	
2006	Department of Internal Medicine Educational Work Group	
2003	Search Committee, Cardiology Division Chief	
2000-2006	Department of Internal Medicine Compliance Committee	
1998	Education Implementation Team: Academic Residency Track	
	(Chair)	
1996	Educational Task Force on Year III & IV Curriculum	
1995-1999	Residency Curriculum Committee	
1993-1995	Department of Internal Medicine Residency Task Force	
1992-2003	Department of Internal Medicine Residency Operations	
	Committee	
Divisional		
1993	Guidelines for Dialysis in HIV Infected Patients	
1993	Guidelines for Short Stay Admission for CMV Retinitis Patients	
1992-1999	Infectious Diseases Divisional Quality Assurance Committee	

# GRANTS AND CONTRACTS

- 2005 Pfizer Pharmaceuticals "Linezolid in the Treatment of Subjects with Nosocomial Pneumonia Proven to be due to Methicillin-Resistant *Staphylococcus aureus*"; site principal investigator
- 2004 Peninsula Pharmaceuticals "A Multi-center Phase 3 Study to Confirm the Safety and Efficacy of Intravenous Doripenem in Complicated Intra-abdominal Infection"; site principal investigator
- 2004 Peninsula Pharmaceuticals "A Multi-center Phase 3 Study to Confirm the Safety and Efficacy of Intravenous Doripenem in Complicated Lower Urinary Tract Infections and Pyelonephritis"; site principal investigator
- 2003 Wyeth Pharmaceuticals, "A Multi-center, Double-Blind, Randomized, Comparison Study of the Efficacy and Safety of Tigecycline to Imipenem to Treat Complicated Intra-abdominal Infections in Hospitalized Subjects" site principal investigator

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GRANTS AND CONTRACTS (continued)

- 2002 Department of Internal Medicine Seed Grant, "Community-Acquired Pyelonephritis"; principal investigator, \$27,400.
- 2001 Pfizer Pharmaceuticals, "Community-Acquired Pneumonia: Admission Decision and Process of Care at an Urban and a Suburban Teaching Hospital"; principal investigator (investigator initiated), \$20,000
- 2000 Bayer Pharmaceuticals, "Prevalence of Antibiotic Resistance Among Uropathogenic Escherichia coli in Michigan"; principal investigator (investigator initiated), \$12,000
- 2000 Pfizer Pharmaceuticals, "Community -Acquired Pneumonia Performance Measures"; site principal investigator, \$7,500

## PUBLICATIONS

Reports of Original Work (Peer Reviewed)

- Klausner HA, Brown P, Peterson J, Kaul S, Khashab M, Fisher AC, Kahn JB. A trial of levofloxacin 750 mg once daily for 5 days versus ciprofloxacin 400 mg and/or 500 mg twice daily for 10 days in the treatment of acute pyelonephritis. Curr Med Res Opin 2007; 23: 2637-45
- 2. Spiess AM, Istanbullu T, **Brown PD**, Balakrishmam C, Gursel E. The utility of deep soft-tissue cultures in diagnosing the causative agent of sternal osteomyelitis following median sternotomy. Plast Reconstr Sug 2007; 119: 568-572
- Brown PD, Moran K, Foxman B. Acute pyelonephritis among adults; cost of illness and considerations for the economic evaluation of therapy. Pharmacoeconomics 2005; 23: 1123-42
- 4. **Brown PD**, Foxman B. Pyelonephritis at an urban medical center: prevalence of antimicrobial resistance and process of care. Infect Dis Clin Pract 2003; 11:534-539
- 5. Foxman B, Klemestine KL, **Brown PD**. Acute pyelonephritis in U.S. hospitals in 1997: hospitalization and in-hospital mortality. Ann Epidemiol 2003; 13: 144-50.

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Reports of Original Work (Peer Reviewed) (continued)

- 6. Trowbridge JF, Artymowicz RJ, Lee CE, **Brown PD**, Farber MS, Kernan W, Beaulieu JE, Goldman MP, Yanak F, Lewis JS, Ravikrishnan KP, Krebs W, Day D, Lubowski TJ. Antimicrobial selection and length of hospital stay in patients with community-acquired pneumonia. JCOM 2002; 9: 613-619.
- 7. **Brown PD**, Freeman A, Foxman B. Prevalence and predictors of trimethoprimsulfamethoxazole resistance among uropathogenic *Escherichia coli* in Michigan. Clin Infect Dis 2002; 34:1061-1066.
- 8. **Brown PD**, Crane LR. Avascular necrosis of bone in patients with human immunodeficiency virus infection: a report of six cases and review of the literature. Clin Infect Dis 2001; 32:1221-1226.
- 9. Gajewski CK, Bailey EM, **Brown PD**, Chandrasekar PH. Use of immune globulin at a multidisciplinary medical center. American Journal of Hospital Pharmacy 5:801-805, 1994.
- 10. Zinkl JG and **Brown PD**. Chemotaxis of horse polymorphonuclear leukocytes to N-formyl-L-methionyl-L-leucyl-L-phenylalanine. Am J Vet Res 43; 613-616, 1982.

Review Articles (Peer Reviewed)

- 1. **Brown PD**. Management of urinary tract infections associated with nephrolithiasis. Curr Infect Dis Reports 2010; 12: 450-4
- 2. **Brown PD**, Sobel JD, Advances in the understanding and treatment of complicated urinary tract infections. European Genito-urinary Disease, 2007; 2: 51-53
- 3. Brown PD. Surgery for infective endocarditis. Curr Infect Dis Reports 2007; 9:291-96
- 4. **Brown PD**. Ciprofloxacin for the management of urinary tract infection. Women's Health 2006; 2: 509-516
- 5. **Brown PD**. Antimicrobial selection in the treatment of pyelonephritis. Curr Infect Dis Reports 2004; 6: 45

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Review Articles (Peer Reviewed) (continued)

- 6. **Brown PD**. Does adherence to guidelines for community-acquired pneumonia reduce the cost of care? Pharmacoeconomics 2004; 22:1-8.
- 7. Foxman B, **Brown P**. Epidemiology of urinary tract infections: transmission and risk factors, incidence and cost. Infect Dis Clin North Am 2003; 17:227-41
- 8. **Brown PD.** Impact of changing patterns of antimicrobial resistance in uropathogens: emerging treatment strategies. Curr Infect Dis Reports 2003; 5: 499-50
- 9. **Brown PD**. Urinary tract infections in renal transplant recipients, Curr Infect Dis Reports 2002; 4: 525-528.
- 10. **Brown PD**, Ebright JR. Skin and soft-tissue infections in injection drug users. Curr Infect Dis Reports 2002; 4:415-419.
- 11. Zandi-Nejad K, **Brown PD**. Diagnostic investigation of pyelonephritis. Curr Infect Dis Reports 2001; 3:529-533.
- 12. **Brown, PD**, Foxman B. Pathogenesis of urinary tract infections: the role of sexual behavior and sexual transmission. Curr Infect Dis Reports 2000; 2:513-517.
- 13. **Brown PD**. Antibiotic Selection for UTI: new microbiologic considerations. Curr Infect Dis Reports 1999; 1:384-388.
- 14. Kanno MB, **Brown PD**. Community-acquired pneumonia: an overview. Curr Infect Dis Reports 1999; 1:49-56.
- 15. Brown PD, Lerner SA. Community-acquired pneumonia. Lancet 1998; 352:1295-1302.

#### Invited Editorials

Foxman B, Ki, M, Brown P. Antibiotic resistance and pyelonephritis, Clin Infect Dis 2007; 43

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Case Reports (Peer reviewed)

- 1. **\*Brown P**, Merline JR, Levine D, Minces LR. Repeatedly false-negative rapid HIV test results in a patient with undiagnosed advanced AIDS. Ann Intern Med 2008; 149:71-72
- 2. \*Liu JZ, **Brown P**, Tselis A. Unilateral retrobulbar optic neuritis due to varicella zoster virus in a patient with AIDS: a case report and review of the literature. J Neurol Sci 2005; 237:97-101.
- 3. Deziel P, McGuire N, **Brown PD**. Group B streptococcal meningitis complicating elective abortion: report of two cases. Clin Infect Dis 2000; 31:1115.
- 4. Jandourek A, **Brown PD**, Vazquez JA. Community-acquired fungemia due to a multiazole resistant *Candida tropicalis*. Clin Infect Dis 1999; 29:1583-4.
- 5. \*Kellogg M, Tarakji EA, Smith M, **Brown PD**. Bacteremia and suppurative lymphadenitis due to Yersinia enterocolitica in a neutropenic patient who prepared chitterlings. Clin Infect Dis 1995; 21:236-7.
- 6. **Brown PD**, Crane LR. Intracranial extension of invasive aspergillus sinusitis presenting as a pyogenic meningitis in a patient with AIDS. Infectious Diseases in Clinical Practice 1994; 3(6):451-453.
- 7. \*Mantzoros CS, **Brown PD**, Dembry, L. Extraosseous epidural tuberculoma: case report and review. Clin Infect Dis 1993; 17(6): 1032-1036.

\*Work done with trainees

**Book Chapters** 

- Levine DP and Brown PD. Infections in Injection Drug Users. Mandell, Douglas and Bennett's Principles and Practice of Infectious Diseases 8th ed. Philadelphia, PA: Elsevier Saunders, 2015
- **2.** Brown PD. Pyelonephritis. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2014: 905-908
- **3. Brown PD**. Pyelonephritis. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2013: 895-898
- 4. **Brown, PD.** (two chapters) Community Acquired Pneumonia and Sexually Transmitted Infections. Medical Knowledge Self-Assessment Program 16-Infectious Disease. Philadelphia: American College of Physicians 2012

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Book Chapters (continued)

- Brown, PD. (six chapters) Upper Respiratory Tract Infections, Fever in the Hospitalized Patient, Rash, Skin and Soft Tissue Infections, Genital Ulcers, Vaginitis and Urethritis. Medicine: A Competency Based Companion 1<sup>st</sup> ed. Philadelphia, PA: W. B. Saunders, 2012.
- 6. **Brown PD**. Pyelonephritis. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2012: 902-904
- 7. **Brown PD**. Pyelonephritis. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2011: 719-721
- 8. **Brown PD**. Pyelonephritis. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2010: 712-714
- Levine DP and Brown PD. Infections in Injection Drug Users. Mandell, Douglas and Bennett's Principles and Practice of Infectious Diseases 7th ed. Philadelphia, PA: Churchill Livingstone, 2010
- Brown PD. Pyelonephritis. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2009: 704-706
- 11. **Brown PD**. Pyelonephritis. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2008: 689-692
- 12. **Brown PD** and Levine DP. Infections in Injection Drug Users. Mandell, Douglas and Bennett's Principles and Practice of Infectious Diseases 6th ed. Philadelphia, PA: Churchill Livingstone, 2005.
- 13. **Brown PD**, Sobel JD. Bacterial Infections of the Urinary Tract in Women. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2004: 711-714.
- Foxman B, Brown P. Epidemiology of urinary tract infections: transmission and risk factors, incidence and costs. Infectious Diseases Clinics of North America. Volume 17 Philadelphia, PA: W. B.: 227-241 Saunders, 2003.
- 15. **Brown PD**. Infectious Diseases: Endocarditis, Meningitis. USMLE Step 3 Recall. Philadelphia PA: Lippincott Williams and Wilkins, 2003.
- 16. **Brown PD**, Sobel JD. Bacterial Infections of the Urinary Tract in Women. Conn's Current Therapy. Philadelphia, PA: W. B. Saunders, 2003: 736-739.

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Book Chapters (continued)

- Brown PD, Levine DP. Infective Endocarditis in Injection Drug Users. Infectious Disease Clinics of North America Volume 16. Philadelphia, PA: W. B. Saunders, 2002:645-665
- Brown PD and Levine DP. Infections in Injection Drug Users. Mandell, Douglas and Bennett's Principles and Practice of Infectious Diseases 5th ed. Philadelphia, PA:Churchill Livingstone, 2000:3112-26.
- 19. **Brown P** and Sobel JD. Bacterial Infections of the Urinary Tract in Women. Conn's Current Therapy. Philadelphia, PA: W.B. Saunders, 1992.

# **Books Edited**

- 1. USMLE Step 3 Recall. Michael Ryan, ed. Philadelphia PA: Lippincott Williams and Wilkins, 2003. (**Brown PD**, Associate Editor)
- 2. Infections in Injection Drug Users. **Brown PD** and Levine DP, eds. Infectious Diseases Clinics of North America, Volume 16. Philadelphia, PA: W.B. Saunders, 2002.

Letter to the Editor

**Brown PD**, Lerner SA. Empirical therapy for community-acquired pneumonia. Ann Intern Med 1998; 129(6): 510.

Published Review Materials

- 1. Infectious Diseases Board Review Manual. Volume 2, numbers 1 (Endocarditis -November 1996) and 2 (Meningitis, Brain Abscess and Infections associated with Cerebral spinal fluid shunts, February 1997) Hospital Physician (Supplement)
- Infectious Disease Board Review Manual: Volume 1, numbers 1(Human Immunodeficiency Virus Infection), 2 (Mycobacterial Diseases) 3. (Fungal Infections) and 4. (Emerging Infectious Diseases and Sexually Transmitted Diseases) Hospital Physician. 1994 (Supplement).

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**Book Reviews** 

- 1. Lerner SA, **Brown PD**. Management of Multiple Drug-Resistant Infections. ASM News 2004; 70: 593.
- Moudgal V, Brown PD. PDxMD: Infectious Diseases. Clin Infect Dis 2003; 37: 609 610.
- 3. Lerner SA, Brown PD. Antimicrobial Therapy and Vaccines. NEJM 1999; 341:771-72.

ABSTRACTS (last 5 years only)

\* Makawita S, Eranki A, **Brown P.** Cutaneous *Rhyzopus oryzae* infection in a patient with AIDS. American College of Physicians Regional Meeting. Gaylord Michigan, 2014

\*Tageja N, Chandra A, **Brown P**. Disseminated nocardiosis caused by *Nocardia abscessus* in a patient with SLE and desquamative interstitial pneumonitis. American College of Physicians Regional Meeting. Traverse City Michigan, 2009

\*Beloglavec S, Deol D, Levine D, **Brown P**. Systemic sarcoidosis with extensive cutaneous manifestations and hemorrhagic pleural effusion. American College of Physicians Regional Meeting. Traverse City Michigan, 2009

\*Work done with trainees