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**CURRICULUM VITAE
EDWARD J. WING, M.D.**

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EDUCATION

Undergraduate: Williams College, B.A. Chemistry, 1967, *Magna cum laude*
Medical School: Harvard Medical School, 1971, *Cum laude*

POSTGRADUATE TRAINING

Residency: Peter Bent Brigham Hospital, Boston, Massachusetts, Medical Intern and
Assistant Resident, 1971-1973
Fellowship: Stanford University and Division of Allergy, Immunology, and Infectious Diseases,
Palo Alto, California, Fellow in Infectious Disease, 1975-1977

ADDITIONAL POSTGRADUATE TRAINING

Association of Professors of Medicine Executive Management Program for Chairs of the
Department of Medicine, The Wharton School, University of Pennsylvania, 1995

POSTGRADUATE HONORS AND AWARDS

Phi Beta Kappa, Williams College, 1966
Fellow, Infectious Diseases Society of America, 1983
Fellow, American College of Physicians, 2000
American Clinical and Climatological Association, 2000
Honorary Professor, Jinling Hospital, Nanjing University School of Clinical Medicine, Nanjing,
China 2007-2010

MILITARY SERVICE

National Health Service Core, USPHS, 1973-75

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Pennsylvania State License, 1973

Rhode Island State License, 1998

National Board of Medical Examiners, 1972

Board of Internal Medicine, 1975

Board of Internal Medicine - Subspecialty, Infectious Diseases, 1978

ACADEMIC APPOINTMENTS

Assistant Professor of Medicine, University of Pittsburgh School of Medicine, 1977-1981

Associate Professor of Medicine with tenure, University of Pittsburgh School of Medicine, 1982-1988

Professor of Medicine with tenure, University of Pittsburgh School of Medicine, 1989-1998

Vice Chairman, Department of Medicine, University of Pittsburgh School of Medicine, 1991-1995

Executive Vice Chairman and Vice Chairman for Clinical Programs, Department of Medicine University of Pittsburgh School of Medicine, 1995-1997

Interim Chairman, Department of Medicine, University of Pittsburgh School of Medicine, 1995-1997

Joukowsky Family Professor and Chairman, Department of Medicine, The Warren Alpert Medical School of Brown University, 1998

Adjunct Professor of Medicine, Department of Medicine, University of Pittsburgh School of Medicine, 2001

Dean of Medicine and Biological Sciences, Frank L. Day Professor of Biology, The Warren Alpert Medical School of Brown University, 2008

HOSPITAL APPOINTMENTS

Active Medical Staff, Montefiore University Hospital, Pittsburgh, PA, 1977-1998

Physician-in-Chief, Montefiore University Hospital, University of Pittsburgh School of Medicine, 1990 - 1994

Active Medical Staff, Presbyterian University Hospital, Pittsburgh, PA, 1991-1998

Active Medical Staff, Veterans Affairs Medical Center, Pittsburgh, PA, 1991-1998

Chief, Division of Infectious Diseases, University of Pittsburgh School of Medicine, Pittsburgh, PA, 1992 -1997

Associate Medical Director, University of Pittsburgh Physicians

University of Pittsburgh School of Medicine, Pittsburgh, PA, 1997-1998

Active Medical Staff, Rhode Island Hospital, Providence, RI, 1998-present

Active Medical Staff, The Miriam Hospital, Providence, RI, 1998-present

Active Medical Staff, Women's & Infants Hospital, Providence, RI, 1998-2008

Physician-in-Chief, Lifespan Department of Medicine, Rhode Island Hospital and The Miriam Hospital, Providence, RI, 1998-2008

Executive Physician-in-Chief, Department of Medicine, Memorial Hospital of Rhode Island, Veterans Affairs Medical Center, Women & Infants Hospital, Providence, RI, 1998-2008

OTHER APPOINTMENTS

Assistant Surgeon, United States Public Health Service, National Health Service Corps, 1973-1975

Special site visit study section, National Institutes of Health 1984, 1986

Finance Committee, Infectious Disease Society of America 1987-1991, 2001-2004

VA merit review study section (Infectious Diseases), 1988-1991

American Heart Association study section (Microbiology and Immunology), 1990-1993

Grant review for USDA National Research Initiative Competitive Grants Program, 1994

National Institutes of Health, Special Study Section Multidisciplinary Special Emphasis Panel, 1994-1997

DSMB Report, Safety and shedding of an attenuated *Listeria monocytogenes* vaccine vector, 2001

Program Planning Committee, Association of Professors of Medicine, 2001-2006

Board of Directors, Association of Professors of Medicine, 2006-2008

Chairman, Program Planning Committee, Association of Professors of Medicine, 2006-2008

Program Planning Task Force, Alliance for Academic Internal Medicine

Reviewer for:

American Journal of Medicine

American Review of Respiratory Diseases

Annals of Internal Medicine

Archives of Internal Medicine

Archives of Ophthalmology

Arthritis and Rheumatism

Chest

Clinical Infectious Diseases

Diabetes

Experimental Hematology

Immunopharmacology

Infection and Immunity

Infections in Medicine

Journal of Clinical Investigation

Journal of Clinical Microbiology

Journal of Immunology

Journal of Infectious Diseases

Journal of the Reticuloendothelial Society

New England Journal of Medicine

National Institutes of Health - Special Grant Reviewer

Proceedings of the Society for Experimental Biology and Medicine

HOSPITAL COMMITTEES

University of Pittsburgh Medical Center (selected)

Executive Planning Council, 1990-1995
Chairman, Hospital Infection Committee, 1992-1997
Executive Board of the Pittsburgh AIDS Center for Treatment (PACT), 1992-1997
Co-Chairman, Medical Staff Quality Improvement Committee, 1993-1995
Co-Chairman, Total Quality Council, 1994-1996
Co-Chairman, Pharmacy and Therapeutics Committee, 1995-1997
Executive Steering Committee - governing body of the University of Pittsburgh Medical Center, 1995-1997
Satellite Physician Review Committee, 1995-1997
Medical Executive Committee, 1995-1997
Co-Chairman, Committee for Compensation and Productivity Central Practice Plan, 1996-1997
Advisory Committee to the Center for Biomedical Informatics, 1996-1997
Executive Committee - Federated Practice Plans, 1996 -1997

Lifespan (selected)

President, University Medicine Foundation, Inc., 1998-2008
Chairman, Board of Trustees, University Cardiology Foundation, Inc., 1998-2008
Research Advisory Committee, 1998-1999
Chairman, Research Advisory Committee, 1999-2004
Residency Management Group, 1998-2008
Academic Council, 1998-2008
Compass Academic Redesign Committee, 1998-1999
Medical Executive Committee, Rhode Island Hospital, 1998-2008
Medical Executive Committee, The Miriam Hospital, 1998-2008
The Miriam Hospital Board of Trustees, 1998-2007
Oversight Committee for Lifespan/Tufts Brown Center for AIDS Research, 1998-2007
Physician Service Organization Board, 1999-2004
Executive Committee of the COBRE (Center of Biomedical Research Excellence) Grant, "Cellular and Molecular Pathogenesis of Cancer" 2001-2008
Rhode Island Hospital Academic Medical & Quality Oversight Committee, 2002 -2008
The Miriam Hospital Finance Committee, 2007-2008
Committee on Research Conflict of Interest, 2000-2008

UNIVERSITY COMMITTEES

University of Pittsburgh Medical Center Department of Medicine (selected)

Internship Selection Committee, 1977-1997
Ad Hoc Committees on Promotion (Chaired 12), 1983, 1984, 1986-89, 1991-94
Standing Committee for Non-tenured Faculty Promotions and Appointments, 1989-1991
Director, Transitional Residency Program, 1990-1997
Promotions Committee, 1990-1995
Chairman, Third Year Curriculum Task Force, 1991-1992
Chairman, ICU Consolidation Committee, 1991-1993

Planning and Budgeting Committee, 1992-1995
Ad Hoc Search Committees for Chairperson, Department of Infectious Diseases and Microbiology, Graduate School of Public Health, 1993
Co-Chairman, Volunteer Faculty Promotions Committee, 1993-1995
Incentive Plan Restructuring Committee, 1993-1995
Research Council, 1994-1995
Chairman/Management Committee, 1995
Medicine Service Line Committee, 1995
School of Medicine Executive Committee, 1995-1997
Managed Competition Committee, 1995-1997
Council of Clinical Chairmen, 1995-1997
Research Advisory Committee, 1995-1997
Ad Hoc Search Committees for Chairman, Ophthalmology, 1996
Ad Hoc Search Committees for Chairman Neurosurgery, 1996

Brown University (selected)

Educational Advisory Committee, 1998 - 2003
Cancer Center Executive Council, 1998
Council of Clinical Chairs, 1998-present
Bio-Medical Faculty Council, 1998-present
Chairman, Search Committee for Department of Surgery Chairman, 1999
Medical School Faculty Diversity Committee, 2001
Chairman, Cancer Center Strategic Planning Committee, 2001
Chairman, Search Committee for Department of Pediatrics Chairman, 2002
Co-Chair, BluePrint Working Group, - analysis of current structure and function of the Brown Medical School for the Provost, 2002
Search Committee for Dean of Medicine and Biological Science, 2003
Chairman, Search Committee for Department of Medicine Director of Cardiology (Ruth and Paul Levinger Professor in Cardiology), 2004
Chairman, Search Committee for Department of Medicine, Director of Hematology/Oncology (Paul Calabresi, MD Professorship in Oncology), 2005
Doctoring Program Oversight Committee, 2006
Curriculum Strategic Planning Subcommittee, 2006
Global Health Working Group, 2007-present

OTHER COMMITTEES

Children's Hospital of Pittsburgh Advisory Committee for the Vira I. Heinz Endowed Professorship in Pediatrics, 1996 -1998
Rhode Island Hospital and Rhode Island Hospital Foundation Board of Trustees Invited Guest, 1998-2004
Neighborhood Health Plan Board of Directors, 1998 - 1999
New England Regional Center of Excellence, Biodefense and Emergency ID Research (NERCE), 2006

MEMBERSHIP IN SOCIETIES

American Association of Immunologists
American Federation for Clinical Research
American College of Physicians, Fellow
ACCP
American Medical Association
American Society for Microbiology
Association of American Medical Colleges 2008-
Association of Professors of Medicine Program Planning Committee, 2001-2006
Association of Professors of Medicine Program Planning Committee Chairman, 2006-2008
Association of Professors of Medicine Board Member, 2006 -2008
Central Society for Clinical Research
Infectious Diseases Society of America, Fellow
Finance Committee, 1987-1991 and 2001-2004
Reticuloendothelial Society
Rhode Island Medical Society

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Wing EJ, Perchick J, Hubbard J: Solitary obstructing plasmacytoma of the colon. JAMA 233:1298-1299, 1975.
2. Wing EJ, Remington JS: Studies on the regulation of lymphocyte reactivity by normal and activated macrophages. Cell Immunol 30:108-121, 1977.
3. Wing EJ, Gardner ID, Rynning FW, Remington JS: Dissociation of effector functions in populations of activated macrophages. Nature 18:641-644, 1977.
4. Wing EJ, Remington JS: A role for activated macrophages in resistance against *Trichinella spiralis*. Infect Immun 21:398-404, 1978.
5. Yu VL, Rumans LW, Wing EJ, McLeod R, Sattler FN, Harvey RM, Deresinski SC: *Pseudomonas maltophilia* causing heroin-associated infective endocarditis. Arch Intern Med 138:1667-1671, 1978.
6. Wing EJ, Krahenbuhl JL, Remington JS: Studies of macrophage function during *Trichinella spiralis* infection in mice. Immunol 36:479-485, 1979.
7. Wing EJ, Norden CW, Shadduck RK, Winkelstein A: Use of quantitative bacteriologic techniques to diagnose catheter-related sepsis. Arch Intern Med 139:482-483, 1979.
8. Schafer FJ, Wing EJ, Norden CW: Infectious endocarditis caused by *Rothia dentocariosa*. Ann Intern Med 91:747-748, 1979.
9. Wing EJ, KresefskyFriedman DY: Decreased resistance to *Listeria monocytogenes* in mice injected with killed *Corynebacterium parvum*: association with suppression of cell-mediated immunity. J Infect Dis 141:203-211, 1980.

10. Wing EJ, Remington JS: Activated macrophages preincubated *in vitro* enhance rather than suppress mitogen-stimulated lymphocyte transformation. *Immunol* 40:239-246, 1980.
11. Wing EJ, Young JB: Acute starvation protects mice against *Listeria monocytogenes*. *Infect Immun* 28:771-776, 1980.
12. Wing EJ, Bruns FJ, Fraley DS, Segel DP, Adler S: Infectious complications with plasmapheresis in rapidly progressive glomerulonephritis. *J Am Med Assoc* 244:2423-2426, 1980.
13. Wing EJ, Koren HS, Fisher DG, Kelley V: Stimulation of a human macrophage-like cell line (U937) to inhibit multiplication of an intracellular pathogen. *J Reticuloendothel Soc* 29:321-328, 1981.
14. Bigler RD, Atkins RR, Wing EJ: *Yersinia enterocolitica* lung infection. *Arch Intern Med* 141:1529-1530, 1981.
15. Wing EJ: Bacillus CalmetteGuerin (BCG) decreases resistance to *Listeria monocytogenes* infection in mice. *Immunol* 44:509-515, 1981.
16. Wing EJ, Schafer FJ, Pasculle AW: Successful treatment of *Legionella micdadei* (Pittsburgh Pneumonia Agent) pneumonia with erythromycin. *Am J Med* 71:836-840, 1981.
17. Wing EJ, Waheed A, Shadduck RK, Nagle LS, Stephenson K: Effect of colony-stimulating factor on murine macrophages: induction of antitumor activity. *J Clin Invest* 69:270-276, 1982.
18. Wadowsky RM, Yee RB, Mezmar L, Wing EJ, Dowling JN: *Legionella pneumophila* in plumbing systems in hospital and non-hospital environments. *Appl Environ Micro* 43:1104-1110, 1982.
19. Kelley VE, Wing EJ: Loss of resistance to listeria infection in autoimmune MRL/lpr mice: protection by prostaglandin E1. *Clin Immunol Immunopathol* 23:705-710, 1982.
20. Yu VL, Miller WP, Wing EJ, Romano JM, Ruiz CA, Bruns FJ: Disseminated listeriosis presenting as acute hepatitis; case reports and review of hepatic involvement in listeriosis. *Am J Med* 73:773-777, 1982.
21. Wing EJ, Schafer FJ, Pasculle AW: The use of tracheal and pulmonary aspiration to diagnose *Legionella micdadei* pneumonia. *Chest* 82:705-707, 1982.
22. Wing EJ, Barczynski LK, Boehmer SM: Effect of acute nutritional deprivation on immune function in mice I. Macrophages. *Immunol* 48:543-550, 1983.
23. Wald A, Britton L, Wing EJ: Inappropriate use of cimetidine in hospitalized patients. *Southern Med J* 76:701-703, 1983.
24. Wing EJ, Stanko RT, Winkelstein A, Adibi SA: Fasting enhances immune effector mechanisms in obese subjects. *Am J Med* 75:91-96, 1983.

25. Wing EJ, Boehmer SM, Christner LK: *Toxoplasma gondii*: Suppression of host defenses against intracellular bacteria in mice. *Exp Parasitol* 56:18, 1983.
26. Harcup C, Wing EJ, Schneider S, Pipher A: Primary meningococcal arthritis and pseudogout in an elderly woman. *Arthritis Rheum* 26:1409-1411, 1983.
27. Rudin JE, Evans TL, Wing EJ: Treatment failure of *Legionella micdadei* pneumonia with erythromycin. *Am J Med* 76:318-320, 1984.
28. Wing EJ, Barczynski LK: Effect of acute nutritional deprivation on immune function in mice II. Response to sublethal radiation. *Clin Immunol Immunopathol* 30:479-487, 1984.
29. Wing EJ, Waheed A, Shadduck RK: Changes in serum colony-stimulating factor (CSF) and monocytic progenitor cells during *Listeria monocytogenes* infection in mice. *Infect Immun* 45:180-84, 1984.
30. Rudin JE, Wing EJ: A comparative study of *Legionella micdadei* and other nosocomial acquired pneumonia. *Chest* 86:675-680, 1984.
31. Wing EJ, Boehmer S: Dissociative effects of a novel immunomodulating agent (CP20,961) on host defenses in mice. *J Immunopharm* 6:339-358, 1984.
32. Schwinghammer TL, Romano MJ, Wing EJ: An aminoglycoside audit: the cost-effectiveness of using gentamicin instead of tobramycin. *Am J Hosp Pharm* 42:1745-1749, 1985.
33. Wing EJ, Ampel NM, Waheed A, Shadduck RK: Macrophage colony-stimulating factor (MCSF) enhances the capacity of murine macrophages to secrete oxygen reduction products. *J Immunol* 135:2052-2056, 1985.
34. Wing EJ, Barczynski LC, Waheed A, Shadduck RK: Effect of *Listeria monocytogenes* infection on serum levels of colony-stimulating factor and number of progenitor cells in immune and nonimmune mice. *Infect Immun* 49:325-328, 1985.
35. Wilkinson HW, Thacker WL, Steigerwalt AG, Brenner DJ, Ampel NM, Wing EJ: Second Serogroup of *Legionella hackeliae* Isolated from a patient with pneumonia. *J Clin Microbiol* 22:488-489, 1985.
36. Ampel NM, Wing EJ, Waheed A, Shadduck RK: Stimulatory effects of purified macrophage colony-stimulating factor on murine resident peritoneal macrophages. *Cell Immunol* 97:344-356, 1986.
37. Rudin JE, Wing EJ: A prospective study of pneumonia: unexpected incidence of Legionellosis. *Southern Med J* 79:417-419, 1986.
38. Power J, Wing EJ, Talamo TS, Stanko R: Fatal bacterial endocarditis as a complication of permanent indwelling catheters: report of two cases. *Am J Med* 81:166-168, 1986.

39. Wing EJ, Barczynski LK, Sherbondy J: The effect of acute nutritional deprivation on macrophage colony-stimulating factor and macrophage progenitor cells in mice. *Infect Immun* 54:245-249, 1986.
40. Wing EJ, Magee DM, Pearson AC, Waheed A, Shadduck RK: Peritoneal macrophages exposed to purified macrophage colony-stimulating factor (MCSF) suppress mitogen and antigen-stimulated lymphocyte proliferation. *J Immunol* 137:2768-2773, 1986.
41. Thacker WL, Benson RF, Wilkinson HW, Ampel NM, Wing EJ, Steigerwalt AG, Brenner DJ: An eleventh serogroup of *Legionella pneumophila* isolated from a patient with fatal pneumonia. *J Clin Microbiol* 23:1146-1147, 1986.
42. Newell P, Norden C, Ruben FL, Wing EJ: Tobramycin and ticarcillin as empiric therapy for febrile patients with granulocytopenia: a re-evaluation. *Southern Medical Journal* 80:836-840, 1987.
43. Magee DM, Wing EJ, Ampel NM, Waheed A, Shadduck RK: Macrophage colony-stimulating factor enhances the expression of Fc receptors on murine peritoneal macrophages. *Immunology* 62:373-378, 1987.
44. Wing EJ, Magee DM, Barczynski LK: Analysis of colony-stimulating factors and macrophage progenitor cells in mice immunized against *Listeria monocytogenes* by adoptive transfer. *Infect Immun* 55:1843-1847, 1987.
45. Johnson RB, Wing EJ, Miller TR, Rosenfeld CS: Isolated cardiac aspergillosis after bone marrow transplantation. *Arch Intern Med* 147:1942-1943, 1987.
46. Wing EJ, Magee DM, Barczynski LK: Acute starvation in mice reduces the number of T cells and suppresses the development of T cell-mediated immunity. *Immunology* 63:677-682, 1988.
47. Magee DM, Wing EJ: Antigen-specific production of colony-stimulating factors by *Listeria monocytogenes* immune L3T4⁺ lymphocytes. *J Infect Dis* 157:941-949, 1988.
48. Magee DM, Wing EJ: Cloned L3T4⁺ lymphocytes protect mice against *Listeria monocytogenes* by secreting interferon-gamma. *J Immunol* 141:3203-3207, 1988.
49. Magee DM, Wing EJ: *In vitro* production of colony-stimulating factors by *Listeria*-immune spleen cells. *Host Defenses and Immunomodulation to Intracellular Pathogens. Advances in Experimental Medicine and Biology.* p. 245-255, 1988.
50. Wing EJ, Magee DM, Whiteside TL, Kaplan SS, Shadduck RK: Recombinant human granulocyte/macrophage colony-stimulating factor enhances monocyte cytotoxicity and secretion of tumor necrosis factor-alpha and interferon in cancer patients. *Blood* 73:643-646, 1989.
51. Kaplan SS, Basford RE, Wing EJ, Shadduck RK: The effect of recombinant human granulocyte macrophage colony-stimulating factor on neutrophil activation in patients with refractory carcinoma. *Blood* 73:636-638, 1989.

52. Shadduck RK, Waheed A, Wing EJ: Demonstration of a bloodbone marrow barrier to macrophage colony-stimulating factor (CSF-1). *Blood* 73:68-73, 1989.
53. Magee DM, Wing EJ: Secretion of colony-stimulating factors by T cell clones: Role in adoptive protection against *Listeria monocytogenes*. *J Immunol* 143:2336-2341, 1989.
54. Ford HR, Hoffman RA, Wing EJ, Magee DM, McIntyre L, Simmons RL: Characterization of wound cytokines in the sponge matrix model. *Arch Surg* 124:1422-1428, 1989.
55. Ford HR, Hoffman RA, Wing EJ, Magee DM, McIntyre LA, Simmons RL: Tumor necrosis factor, macrophage colony-stimulating factor, and interleukin 1 production within sponge matrix allografts. *Transplantation* 50:460-466,1990.
56. Gregory SH, Wing EJ: Accessory function of Kupffer cells in the antigen-specific blastogenic response of an L3T4+ T lymphocyte clone to *Listeria monocytogenes*. *Infect Immun* 58:2313-2319, 1990.
57. Magee DM, Williams DM, Wing EJ, Bleicker CA, Schachter J: Production of colony-stimulating factors during *Chlamydia trachomatis* Pneumonia. *Infect Immun* 59:2370-2375, 1991.
58. Gregory SH, Magee DM, Wing EJ: The role of colony-stimulating factors in host defenses. *Proceedings of the Society for Experimental Biology and Medicine*. 197:4 pp. 349-360, September, 1991.
59. Cooper MH, Gregory SH, Thomson AW, Fung JJ, Starzl TE, Wing EJ: Evaluation of the influence of FK 506, rapamycin and cyclosporine on processing and presentation of particulate antigen by macrophages: Assessment of a drug "carry over" effect. *Transplantation Proceedings* 23:2957-2958, 1991.
60. Gregory SH, Barczynski LK, Wing EJ: Effector Function of Hepatocytes and Kupffer Cells in the Resolution of Systemic Bacterial Infections. *J Leuk Biol*. 51:421-424, 1992.
61. Gregory SH, Wing EJ, Tweardy DJ, Shadduck RK, Lin HS: Primary listerial infections are exacerbated in mice administered neutralizing antibody to macrophage colony-stimulating factor. *J Immunology* 149:188-193, 1992.
62. Gregory SH, Wing EJ, Hoffman RA, Simmons RL: Reactive nitrogen intermediates suppress the primary immunologic response to *Listeria*. *J Immunol* 150:2901-2909, 1993.
63. Gregory SH, Wing EJ: Macrophage colony-stimulating factor and the enhanced migration of monocytes are essential in primary, but not secondary, host defenses to *Listeria* organisms. *J Infect Dis* 168:934-942, 1993.
64. Gregory SH, Wing EJ: IFN- γ inhibits the replication of *Listeria monocytogenes* in hepatocytes. *J Immunol* 151:1401-1409, 1993.

65. Cooper MH, Gregory SH, Starzl TE, Wing EJ: Rapamycin but not FK506 inhibits the proliferation of mononuclear phagocytes induced by colony-stimulating factors. *Transplantation* 57:433-439, 1994.
66. Gregory SH, Sagnimeni AJ, Wing EJ: Arginine analogues suppress antigen-specific and nonspecific T lymphocyte proliferation. *Cell Immunol* 153:527-532, 1994.
67. Jiang X, Gregory SH, Wing EJ: Hepatocytes can serve as accessory cells in the response of immune T lymphocytes to heat-killed *Listeria monocytogenes*. *Infect Immun* 63:926-933, 1995.
68. Gerber L, Wing EJ: Life-threatening neutropenia secondary to piperacillin/tazobactam therapy. *Clin Infect Dis* 21:1047-8, 1995.
69. Gregory SH, Sagnimeni AJ, Wing EJ: Expression of the *inlAB* operon by *Listeria monocytogenes* is not required for entry into hepatic cells *in vivo*. *Infect Immun* 64:3983-3986, 1996.
70. Gregory SH, Sagnimeni AJ, Wing EJ: Bacteria in the bloodstream are trapped in the liver and killed by immigrating neutrophils. *J Immunol* 157:2514-2520, 1996.
71. Gregory SH, Jiang X, Wing EJ: Lymphokine-activated killer cells lyse *Listeria*-infected hepatocytes and produce elevated quantities of IFN- γ . *J Infect Dis* 174:1073-1079, 1996.
72. Nieto-Rodriguez JA, Kusne S, Manez R, Irish W, Linden P, Magnone M, Wing EJ, Fung JJ, Starzl TE: Factors associated with the development of candidemia and candidemia-related mortality in liver transplant recipients. *Ann Surg* 223:70-76, 1996.
73. Jiang X, Gregory SH, Wing EJ: Immune CD8⁺ T lymphocytes lyse *Listeria monocytogenes*-infected hepatocytes by a classical MHC class I-restricted mechanism. *J Immunol* 158:287-293, 1997.
74. Gregory SH, Sagnimeni A, Wing EJ: Internalin b promotes the replication of *Listeria monocytogenes* in mouse hepatocytes. *Infect Immun* 65:5137-5141, 1997.
75. Gregory SH, Wing EJ: Neutrophil-kupffer cell interaction in host defenses to systemic infections. *Immunol Today* 19(11):507-510, 1998.
76. Tkatch LS, Kusne S, Irish WD, Krystofiak S, Wing EJ: Epidemiology of *Legionella* pneumonia and factors associated with *Legionella*-related mortality at a tertiary care center. *Clinical Infectious Diseases* 27:1479-1486, 1998.
77. Jensen ER, Glass AA, Clark WR, Wing EJ, Miller JF, Gregory SH: Fas-dependent cell-mediated immunity to *Listeria monocytogenes*. *Infect Immun* 66:4143-4150, 1998.
78. Gregory SH, Wing EJ, Danowski KL, van Rooijen N, Dyer KF, Tweardy DJ: IL-6 produced by kupffer cells induces stat protein activation in hepatocytes early during the course of systemic Listerial infections. *J Immunol* 160:6056-6061, 1998.

79. Gregory SH, Wing EJ, Barry RA, Hinrichs DJ: *Listeria monocytogenes*-infected hepatocytes are targets of major histocompatibility complex class Ib-restricted antilisterial cytotoxic T lymphocytes. *Infect Immun* 66:2814-2817, 1998.
80. Grumbach NM, Mylonakis E, Wing EJ: Development of listeria meningitis during ciprofloxacin treatment. *Clinical Infectious Diseases* 29:1340-1341, 1999.
81. Wing EJ, Gregory, SH: From hot dogs to CD8⁺ T cells : *Listeria Monocytogenes*. *Trans Am Clin Climatol Assoc* 111, 2000.
82. Cousens LP, Wing EJ: Innate defenses in the liver during *Listeria* infection. *Immunological Reviews* 174:150-159, 2000.
83. Christopher K, Tammaro, D, Wing EJ: Early Scurvy complicating anorexia: a case report. *South Med J* 2002 Sep;95(9):1065-6
84. Gregory SH, Cousens LP, van Rooijen N, Dopp EA, Carlos TM, Wing EJ: Complementary adhesion molecules promote neutrophil-Kupffer cell interaction and the elimination of bacteria taken up by the liver. *J Immunol* 168:308-315, 2002.
85. Calderwood SB, Mylonakis E, Hohmann E, Paliou M, Wing EJ: Listeriosis during pregnancy: A case series and review of 222 cases. *Medicine*, 81:260-69, 2002.
86. Wing EJ, Gregory SH: *Listeria monocytogenes*: Clinical and experimental update. *J Infect Dis* 185 (suppl 1): S18-24, 2002.
87. Gregory SH, Wing EJ: Neutrophil-Kupffer cell interaction: a critical component of host defenses to systemic bacterial infections. *J of Leukocyte Biology*, 72:239-248, 2002.
88. Beckwith CG, Flanigan TP, del Rio C, Simmons E, Wing EJ, Carpenter CCJ, Bartlett JG: It is time to implement routine, not risk-based, HIV testing. *Clinical Infectious Diseases* 40:1037-40, 2005
89. Vallabhaneni S, Kumarasamy N, Wing EJ, Flanigan TP: A diagnostic dilemma in a patient receiving antiretroviral and antituberculosis therapy. *AIDS Reader* 15:72-75, 2005
90. Radvin JI, Peterson PK, Sande M, Wing EJ: Globalization of Academic Medicine: A New Dimension, *Am J Med* 119:805-810, Sept. 2006
91. Yates J, Zakai N, Griffith R, Wing E, Schiffman F. Multicentric Castleman Disease, Kaposi Sarcoma, Hemophagocytic Syndrome, and a Novel HHVA-Lymphoproliferative Disorder. Case report. *AIDS Reader* 17:596-601, 2007

OTHER PEER-REVIEWED PUBLICATIONS

1. Wing EJ, Remington JS: Cell-mediated immunity and its role in resistance to infection. West J Med 126:1431, 1977.
2. Rudin JE, Wing EJ, Yee RB: An on going outbreak of *Legionella micdadei*. Proceedings of the second international symposium on legionella. American Society for Microbiology, 1984.
3. Wing EJ, Rudin RE: The diagnosis and management of *Legionella micdadei* (pittsburgh pneumonia agent) pneumonia. Practical Cardiology 10:123130, 1984.

BOOKS

Editor - Cecil Essentials of Medicine, 2007 -

BOOK CHAPTERS

1. Wing EJ, Remington JS: Toxoplasmosis, in Brenneman's Practice of Pediatrics, Harper and Row, Vol. II, Chapter 52C, pp. 111, 1976.
2. Wing EJ, Remington JS: Cell-mediated immunity and its role in resistance to infection. In Current Concepts of Infectious Diseases, Hook EW, Mandell GL, Gwaltney JM and Sande MA (Eds.), John Wiley & Sons, Inc., pp. 89114, 1977.
3. Wing EJ, Remington JS: Delayed hypersensitivity and macrophage functions. In Basic and Clinical Immunology, Fudenberg HH, Stites DP, Caldwell JL and Wells JV (Eds.), Lange Medical Publications, pp. 96109, 1978.
4. Wing EJ, Remington JS: Toxoplasmosis, in Brenneman's Practice of Pediatrics, Vol. II, Chapter 52C, pp. 111, 1979.
5. Wing EJ, Remington JS: Lymphocytes and macrophages in cell-mediated immunity. In Principles and Practices of Infectious Diseases, Mandell GL, Douglas RS and Bennett JE (Eds.), John Wiley & Sons, pp. 83103, 1979.
6. Wing EJ, Remington JS: Delayed hypersensitivity and macrophage functions. In Basic and Clinical Immunology, Fudenberg HH, Stites DP, Caldwell JL and Wells JV (Eds.), Lange Medical Publications, pp. 129143, 1980.
7. Wing EJ, Remington JS: Toxoplasmosis, in infections in children. Wedgwood RJ, Davis SD, Ray CG, Kelley VC (Eds.), Harper & Row, pp. 14081419, 1982.
8. Wing EJ: Effect of acute nutritional deprivation on host defenses against *Listeria monocytogenes*: macrophage function. pp. 245250. In Host Defenses to Intracellular Pathogens. Eds. Eisenstein TK, Actor P, Friedman H, 1983.
9. Winkelstein A, Wing EJ: Failure of host defense mechanisms in acute emergencies. pp. 170191. In Principles and Practice of Emergency Medicine, Schwartz G, Safar P, Stone JH, Storey PB, and Wagner D (Eds.), Saunders WB, Co., 1986. 2nd edition.

10. McLeod R, Wing EJ, Remington JS: Lymphocytes and macrophages in cell-mediated immunity. In Principles and Practices of Infectious Diseases. Mandell GL, Douglas RS, Bennett RS (Eds.) John Wiley and Sons 1985.
11. Wing EJ, Shadduck RK: Colony-stimulating factor. In Biological Response Modifiers, pp. 219-243. Torrence PF (Ed.) Academic Press, 1985.
12. Ampel NM, Wing EJ: Legionellosis in the compromised host. In Clinical Approach to Infection in the Compromised Host. Rubin RH, Young LS, (Eds.) Plenum Publishing Corp. 2nd edition pp. 305-319, 1988.
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15. Shadduck RK, Kaplan SS, Whiteside, TL, Wing EJ: Biological effects of recombinant human GM-CSF. In The Biology of Hematopoiesis, Dainiak N, Cronkite EP, McCaffrey R, and Shadduck RK (Eds.), WileyLiss, Inc., pp. 365-374, 1990.
16. Wing EJ: The stimulatory effects of colony-stimulating factors on macrophage anti-tumor activity. In Hemopoietic Growth Factors and Mononuclear Phagocytes, van Furth R (Ed.), Basel, Karger, 157-167, 1993.
17. Ampel NM, Wing EJ: Legionellosis in the compromised host. In Clinical Approach to Infection in the Compromised Host, 3rd edition. Rubin RH, Young LS (Eds.), Plenum Medical Book Co., pp. 335-353, 1994.
18. Wing EJ, Hart R: Prophylaxis of bacterial infections. In Bone Marrow Transplantation: A Practical Approach. Ball ED, Lister J (Eds.) Churchill Livingstone, 2000

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1. Wing EJ, Bruns FJ, Fraley DS, Segel DP, Adler S: (Letter) Plasmapheresis, infection and renal disease. J Am Med Assoc, JAMA 246:1545, 1981.
2. Wing EJ: (Letter) Mechanisms of nutrition and stress induced changes on immune changes. Am J Med 76:A87, A97, 1984.
3. Wing EJ: Brown in Kenya Medicine Health/Rhode Island 90:(11) 358, 2007

PUBLICATIONS SUBMITTED OR IN PREPARATION

ABSTRACTS AND PRESENTATIONS

1. Wing EJ, Remington JS: Regulation of lymphocyte transformation by activated macrophages. Clin Res 25:351A, 1977.
2. Wing EJ, Remington JS: A role for activated macrophages in resistance against *Trichinella spiralis*. Clin Res 26:408A, 1978. Presented at American Federation for Clinical Research, San Francisco, CA, 1978.
3. Wing EJ, Ruben FL, Norden CW: Infectious complications of plasmapheresis. Presented at 18th Interscience Conference on Antimicrobial Agents and Chemotherapy, Atlanta, GA, 1978.
4. Wing EJ: Decreased resistance to *Listeria monocytogenes* caused by killed *Corynebacterium parvum* association with a defect in macrophages. Clin Res 26:677A, 1978.
5. Wing EJ, Young JB: Acute starvation protects against *Listeria monocytogenes* infection in mice. Clin Res 27:360A, 1979. Presented at American Federation for Clinical Research, Washington, DC, 1979.
6. Wing EJ: Killed *Corynebacterium parvum* decreases resistance to *Listeria monocytogenes* in mice by delaying macrophage activation. Clin Res 27:360A, 1979.
7. Wing EJ: Microbial synergism and antagonism by intracellular pathogens. Clin Res 28:382A, 1980.
8. Wing EJ, Waheed A, Shaddock RK: Activation of murine macrophages by colony-stimulating factor. Clin Res 28:382A, 1980.
9. Wing EJ, Koren H: Activation of macrophage-like cells (U937) to inhibit multiplication of an intracellular pathogen. Presented at 4th International Congress of Immunology, Paris, France, 1980.
10. Wing EJ: BCG and *T. gondii* suppress immunologic host defenses against *L. monocytogenes*. Presented at 20th Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA, 1980.
11. Wing EJ, Waheed A, Shaddock RK: Colony-stimulating factor enhances a macrophage effector function. Clin Res 28:645A, 1980. Presented at Eastern AFCR, Boston, MA, 1980.
12. Wing EJ, Nagle LS, Stephenson K, Waheed A, Shaddock RK: Induction of macrophage tumoristatic activity by colony-stimulating factor. Clin Res 29:442A, 1981.
13. Wing EJ: Effect of acute nutritional deprivation on host defenses against *Listeria monocytogenes*. Presented at Host Defenses to Intracellular Pathogens Conference, Philadelphia, PA, 1981.
14. Wing EJ, Schafer FJ, Pasculle AW: Successful treatment of *Legionella micdadei* pneumonia with erythromycin. Presented at 21st International Conference on Antimicrobial Agents and Chemotherapy, Chicago, IL, 1981.

15. Wing EJ: Effect of acute nutritional deprivation on host defenses: macrophage function. Presented at 21st International Conference on Antimicrobial Agents and Chemotherapy, Chicago, IL, 1981.
16. Wing EJ, Stanko R, Winkelstein A, Adibi SA: Starvation enhances selective components of the immune system in humans. Clin Res 30:382A, 1982.
17. Britton L, Wing EJ, Wald A: Inappropriate use of cimetidine in hospitalized patients. Clin Res 30:296A, 1982. Presented at American Federation for Clinical Research, Washington, DC, 1982.
18. Wing EJ: Nosocomial *Legionella micdadei* pneumonia in immunocompromised patients. Presented at Second International Symposium on Infections in the Immunocompromised Host, Stirling University, Scotland, United Kingdom, 1982.
19. Wing EJ, Stanko R, Winkelstein AW, Adibi SA: Fasting augments immune effector activity in humans. Presented at 22nd International Conference on Antimicrobial Agents and Chemotherapy, Miami, FL, 1982.
20. Wing EJ, Winkelstein A: Effects of fasting on immunity in humans: dissociation of cellular function. Presented at 19th National Meeting of the Reticuloendothelial Society, St. Louis, MO, 1982.
21. Rudin JE, Wing EJ, Yee RB: A hospital outbreak of *Legionella micdadei*. Presented at the Second International Symposium on Legionella, Atlanta, GA, 1983.
22. Wing EJ, Barczynski LK: Evidence for altered monocyte-macrophage stem cell kinetics in response to infection. Presented at 22nd International Conference on Antimicrobial Agents and Chemotherapy, Las Vegas, NV, 1983.
23. Wing EJ, Barczynski LK: Evidence that proliferating monocytes enhance host defenses of starved mice. Presented at 22nd International Conference on Antimicrobial Agents and Chemotherapy, Las Vegas, NV, 1983.
24. Rudin JE, Wing EJ: Clinical features in an outbreak of *L. micdadei* pneumonia. Presented at 22nd International Conference on Antimicrobial Agents and Chemotherapy, Las Vegas, NV, 1983.
25. Wing EJ, Boehmer S: Dissociative effects of a novel immunomodulating agent (CP20,961) on host defenses of mice. Presented at 22nd International Conference on Antimicrobial Agents and Chemotherapy, Las Vegas, NV, 1983.
26. Ampel NM, Wing EJ: Colony-stimulating factor enhances resident macrophage production of superoxide anion and hydrogen peroxide. Presented at 23rd International Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, 1984.
27. Ampel NM, Wing EJ: Colony-stimulating factor modulates the metabolism and antitumor activity of resident peritoneal macrophages. Presented at 23rd International Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, 1984.

28. Rudin JE, Wing EJ: Legionellosis in a prospective study of pneumonia in an urban hospital setting. Presented at 23rd International Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, 1984.
29. Wing EJ, Barczynski LM: Mice immune to *Listeria monocytogenes* have altered macrophage kinetics compared to nonimmune mice. Presented at 23rd International Conference on Antimicrobial Agents and Chemotherapy, Washington, DC, 1984.
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33. Magee DM, Wing EJ, Waheed A, Shaddock RK: Macrophage colony-stimulating factor (MCSF) induces Fc receptor expression on macrophages. Fed Proceed 45:1115, 1986. Presented St. Louis, MO.
34. Wing EJ, Barczynski LK: Transfer of immunity to *Listeria monocytogenes* by immune spleen cells is associated with an early rise in serum colony-stimulating factor levels. Clin Res 34:538A, 1986.
35. Magee DM, Wing EJ, Ampel NM, Waheed A, Shaddock RK: Macrophage colony-stimulation factor (MCSF) induces IgG 2b Fc receptors on murine macrophages. Presented at 6th International Congress of Immunology, Toronto, Can., 1986.
36. Magee DM, Wing EJ, Barczynski LK: Characterization of colony-stimulating factors produced by immune splenocytes stimulated *in vitro*. Presented at 23rd Reticuloendothelial Society Meeting, Denver, CO, 1986.
37. Magee DM, Wing EJ: Macrophage colony-stimulating factor (MCSF) induces Fc receptor expression on murine macrophages. Presented at 25th International Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA, 1986.
38. Magee DM, Wing EJ: *In vitro* production of colony-stimulating factors by *Listeria*-immune spleen cells. Presented at Conference on Host Defenses and Immunomodulation to Intracellular Pathogens, Philadelphia, PA, 1986.
39. Magee DM, Wing EJ: Colony-stimulating factor production by immune lymphocytes. Presented at Federation of American Societies for Experimental Biology, Washington, DC, 1987.

40. Magee DM, Wing EJ: T cell lines generated in vitro confer specific protection against *Listeria monocytogenes* in mice. Presented at the American Federation for Clinical Research, San Diego, CA, 1987.
41. Wing EJ, Magee DM: Short term starvation depresses T cell numbers and the development of immunity in mice. Presented at the 27th Interscience Conference on Antimicrobial Agents and Chemotherapy, New York, NY, 1987.
42. Magee DM, Wing EJ: Antigen-specific T cell clones confer protection against *Listeria monocytogenes* in mice. Presented at the 27th Interscience Conference on Antimicrobial Agents and Chemotherapy, New York, NY, 1987.
43. Magee DM, Wing EJ: Antigen-specific L3T4 positive T cell clones confer protection against lethal challenge with *Listeria monocytogenes*. Presented at 11th International RES Congress and 24th National Meeting of the Reticuloendothelial Society, Kauai, Hawaii, 1987.
44. Magee DM, Wing EJ: Activation of murine peritoneal macrophages for antibody-dependent cellular cytotoxicity (ADCC). Presented at the International Workshop on Monokines and Other Nonlymphocytic Cytokines, Hilton Head Island, SC, 1987.
45. Kaplan SS, Zdziarski UE, Basford RE, Wing EJ, Shadduck RK: Effect of *in vivo* recombinant human granulocyte-macrophage colony-stimulating factor on peripheral blood granulocyte function. Presented at the American Federation for Clinical Research, Washington, DC, 1988. Clin Res 36:566A, 1988.
46. Magee DM, Wing EJ: Murine L3T4+ T cell clones protect against *Listeria monocytogenes* infection by secreting specific lymphokines. Clin Res 36:463A, 1988.
47. Wing EJ, Magee DM, Kaplan SS, Shadduck RK: Stimulation of human monocytes by recombinant human granulocyte-macrophage colony-stimulating factor in patients with refractory metastatic carcinoma. Presented at the American Federation for Clinical Research, Washington, DC, 1988. Clin Res 36:422A, 1988.
48. Magee DM, Wing EJ: Protection against *Listeria monocytogenes* infection by helper T cell clones and their supernatants. Federation of American Societies for Experimental Biology, Las Vegas, NE, 1988.
49. Magee DM, Wing EJ: L3T4+ T cell clones protect against *Listeria monocytogenes* by releasing gamma interferon and colony-stimulating factors. Presented at the 28th Interscience Conference on Antimicrobial Agents and Chemotherapy, Los Angeles, CA, 1988.
50. Moy RL, Wing EJ: Nodular basal cell carcinoma produces human granulocyte-macrophage colony-stimulating factor. Presented at The Society for Investigative Dermatology, Western Region, Carmel, CA, 1988. Clin Res 37:234A, 1989.
51. Herberman RB, Whiteside, T, Ernstoff M, Vlock DR, Logan TF, Shadduck RK, Wing EJ, Kirkwood JM: Laboratory monitoring biological effects of cytokines administered to cancer patients. Presented at the European Organization for Research and Treatment of Cancer Conference (EORTC), Netherlands, 1989.

52. Barczynski LK, Magee DM, Wing EJ: Protective lymphokines in host defenses against *Listeria monocytogenes*. Presented at the Society for Leukocyte Biology (RES Society), Marco Island, FL, 1989.
53. Magee DM, Williams DM, Wing EJ, Bleicker CA, Schachter J: Colony-stimulating factor production during murine *Chlamydia trachomatis* pneumonia. Presented at American Society for Microbiology, Anaheim, CA, 1990.
54. Gregory S, Wing EJ: Accessory function of Kupffer cells in T cell blastogenesis. Presented at American Society for Biochemistry and Molecular Biology/American Association of Immunologists, New Orleans, LA, 1990.
55. Gregory S, Wing EJ: Immune T lymphocytes modulate the trafficking of monocytes in *Listeria*-immune mice. Presented at Interscience Conference on Antimicrobial Agents and Chemotherapy, Atlanta, GA, 1990.
56. Gregory S, Barczynski L, Wing EJ: Hepatocyte-mediated clearance of bacteria from the bloodstream. Presented at Federation of American Societies for Experimental Biology, Atlanta, GA, 1991.
57. Cooper MH, Gregory SH, Thomson AW, Fung JJ, Starzl TE, Wing EJ: The Effect of FK 506 on processing and presentation of particulate antigens by macrophages. Presented at FK 506 First International Congress, Pittsburgh, PA, 1991.
58. Gregory S, Barczynski L, Wing EJ: Hepatocyte-mediated clearance of bacteria from the Bloodstream. Presented at Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago, IL, 1991.
59. Cooper MH, Gregory SH, Thomson AW, Fung JJ, Starzl TE, Wing EJ: FK506 and rapamycin exert different effects on the proliferative response of mononuclear phagocytes to macrophage colony-stimulating Factor. Presented at Third International Workshop on Cytokines, 1991.
60. Gregory SH, Wing EJ: Arginine metabolites suppress the primary immunological response to *Listeria*. Presented at Federation of American Societies for Experimental Biology, Anaheim, CA, 1992.
61. Wing EJ, Gregory SH: Reactive nitrogen intermediates suppress the primary immunological response to *Listeria*. Presented at the Infectious Diseases Society of America meeting, Anaheim, CA, 1992.
62. Gregory SH, Wing EJ: IFN- γ Inhibits the replication of *Listeria monocytogenes* in hepatocytes. Presented at the Infectious Diseases Society of America meeting, New Orleans, LA, 1993.
63. Jiang X, Gregory SH, Wing EJ: Hepatocytes can serve as accessory cells in the biological response of immune T lymphocytes to listerial antigens. Presented at Experimental Biology 94, Anaheim, CA, 1994.

64. Posey K, Pokrywka M, Krystofiak S, McCoy B, Wing E, Ruben F, Linden P, Kramer D: The combined effects of cohorting, signage, education and environmental control on vancomycin resistant *Enterococcus Faecium* (VREF) in intensive care patients. Presented at the 21st Annual Educational and International Conference, Charleston, WV, 1994.
65. Jiang X, Gregory SH, Wing EJ: Immune CD8⁺ T lymphocytes lyse *Listeria*-infected hepatocytes and produce IFN- γ . Presented at Experimental Biology 95, Atlanta, GA, 1995.
66. Gregory SH, Jiang X, Wing EJ: Lymphokine-activated killer cells lyse *Listeria*-infected hepatocytes and produce increased quantities of IFN- γ . Presented at the 9th International Congress of Immunology, San Francisco, CA, 1995.
67. Tkatch LS, Kusne S, Irish WD, Krystofiak S, Wing EJ: Factors affecting mortality from legionella pneumonia at a University Hospital. Presented at the 35th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA, 1995.
68. Voloshin DK, Pasculle AW, Krystofiak SP, Sakalah S, Wing EJ: Nosocomial legionnaire's disease: An explosive outbreak following interruption of hyperchlorination. Presented at the 35th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA, 1995.
69. Nouri K, Posey K, Ruben F, Wingenroth J, Pasculle AW, Wing E: Installation of a metal Ionization system for the reduction of *Legionella pneumophila* at a University Hospital; black water and other complications. Presented at the Sixth Annual Meeting of the Society for Healthcare Epidemiology of America, Washington, DC, 1996.
70. Gregory SH, Wing EJ: *Listeria* in the bloodstream are trapped in the liver and killed by immigrating neutrophils. American Association of Immunologists Annual Meeting, New Orleans, LA, 1996.
71. Jensen ER, Glass AA, Wing EJ, Miller JF, Gregory SH, Clark WR: The fas lytic pathway plays an important role in cell-mediated immunity against *Listeria monocytogenes*. To be presented at the 97th Annual Meeting of the American Society of Microbiology, Miami Beach, FL, 1997.
72. Wing EJ: Role of T-cells in host defense of *listeria monocytogenes*. Plenary Session presented at XIII International Symposium on Problems of Listeriosis, Halifax, Nova Scotia, July 1998.
73. Gregory SH, Wing EJ, Liu C-C: Evolution of MHC class I-restricted cytolytic T cells during the course of listerial infection. FASEB 99 Meeting, Washington DC, April 1999.
74. Cousens LP, Wing EJ, Liu C-C, Gregory SH: Expression of perforin- and Fas ligand-mediated cytolytic activity by CD8 T cells during infections with *Listeria monocytogenes*. American Association of Immunologists Annual Meeting, Orlando, FL, 2000.

75. Wing EJ: Listeria: Hot dogs and CD8 cells. Grand Rounds at Dr. Jack Remington's Festschrift, Stanford School of Medicine, Palo Alto, CA, January 2001.
76. Wing EJ: Listeriosis. Grand Rounds at Memorial Hospital of Rhode Island, January, 2001.
77. Cousens LP, Mott S, Wing EJ, Chau-Ching L, Gregory SH: CD8 T cells shift from perforin- to fas ligand-mediated cytotoxicity during primary listeriosis. 11th International Congress for Immunology, Stockholm, July 22-27, 2001.
78. Gregory SH, van Rooijen N, Wing EJ: Neutrophil-Kupffer cell Interaction facilitates innate host defenses to systemic bacterial infections. American Association of Immunologists, New Orleans, LA, April 20-24,2002.
79. "International HIV Issues". Association of Nurses in AIDS Care, Rhode Island, June 17, 2005.
80. "International programs". King Hussein Medical Center/RMS, The Hashemite Kingdom of Jordan, September 2005.
81. "International Programs in the Department of Medicine" 13th Annual Research Celebration Lifespan, Providence, Rhode Island, September 2005
82. "HIV-treatment guidelines & drug toxicities". UTESA 30 Anniversary, Dominican Republic, November 2004
83. "International Programs at Brown Medical School". University of North Carolina at Chapel Hill, Grand Rounds Speaker. - November 2006
84. Update in Internal Medicine Conference Series "HIV/AIDS Update", VA Medical Center, 2007
85. "HIV/AIDS Update" Research Institute of Nephrology Nanjing University, School of Medicine Nanjing, China - May 2007
86. "An Old World Arenavirus in 21st Century Rhode Island: Lymphocytic Choriomeningitis Virus Transmitted Via Solid Organ Transplantation, 2005". Jinling Hospital Nanjing University School of Medicine, Nanjing, China - May 2007
87. "Update on the treatment of AIDS: Providence, RI vs. Eldoret, Kenya". New York-Presbyterian Hospital, Weill Cornell Medical College, Grand Rounds Speaker. - April 2008
88. "A Bold Beginning", Office of Women in Medicine, Warren Alpert Medical School of Brown University – September 2008
89. Office of Women in Medicine's Professional Development Series, Guest Speaker, Warren Alpert medical School of Brown University – October 2008
90. Global Health Presentation, Warren Alpert Medical School of Brown University – October 2008

91. "Changing the World: The Story of Global Health at Brown", University of California Los Angeles, Fowler Museum – November 15, 2008, Fairmont Hotel, San Francisco, California – November 17, 2008

GRANTS

United States Public Health Service National Institutes of Health

1. RO1 CA33035 "Antitumor Activity of Colony Stimulating Factor"
Principal Investigator
National Institutes of Health
1983 - 1986
\$247,370 direct costs

2. RO1 AI20638 "Effect of Starvation on Monocytemacrophage Function"
National Institutes of Health
1984 - 1987
\$287,316 direct costs
Principal Investigator

3. RO1 AI24141 "Host Defense Mechanisms in *Listeria* Infection"
National Institutes of Health
1987-1990
\$318,291 direct costs
1991-1994
\$660,273 direct costs
Principal Investigator

4. R01 DK44367 "Factors Effecting Hepatocyte Resistance to Infection"
National Institutes of Health
1994 - 1997
\$664,589 direct costs
Co-Investigator
Principal Investigator - Stephen Gregory

5. T32 AI07333 "Research Training in AIDS, STDs and Intracellular Pathogens"
National Institutes of Health
1994-1999
\$637,099 direct costs
Principal Investigator

6. 1 R21 AI055657-01 "Francisella Tularensis: Innate Resistance to Inhalation"
National Institutes of Health
2003 - 2005
\$308,000 (Federal Direct Costs \$200,000, Federal F&A Costs \$108,000)
Co-Investigator
Principal Investigator - Stephen Gregory

7. R01 DK068097-02 "Neutrophil-macrophage interactions govern liver immunity"
National Institutes of Health
2006 - 2011
\$225,000/year direct costs (requested)
Co-Investigator
Principal Investigator - Stephen Gregory
(4.8 percentile)

Others

1. (W-33) "The Effect of Starvation on the Course of Bacterial and Protozoal Infections"
Health Research and Services Foundation
1980 - 1982
\$30,603 direct costs
Principal Investigator

2. "Studies of Immune Function in Murine Models of Systemic Lupus Erythematosus and Other Mouse Strains: Effects of Nutritional Alterations and Prostaglandins"
Division of Chronic Disease Control, Pennsylvania Department of Health
1981 - 1984
\$69,639 direct costs
Principal Investigator

3. "Studies on the use of Clarithromycin in respiratory tract infections"
Abbott Laboratories
1988 - 1990
\$20,000 direct costs
Principal Investigator

UNIVERSITY TEACHING ROLES

Research Supervision:

Thesis committee

Karen Pasko Department of Microbiology, John Ferbas Graduate School of Public Health,
Department of Infectious Diseases and Microbiology

Supervision of student research

Keith Stephenson, 1980-82
Scott Chelemer, 1983
Sooji Lee, 1984, 1985
Lidia Comini, 1986, 1987
Scott Shafer, 1988
Mark Ackrell, 1989
Anne Chapas, 1993, 1994
Donald Creighton, 1995

Supervision of postdoctoral fellows

Jennifer Rudin, M.D., 1982-84
Neil Ampel, M.D., 1983-85
D. Mitch Magee, Ph.D., 1985-88
Richard Johnson, M.D., 1986-88
Mark Cooper, M.D., 1991-93
Sharon Riddler, M.D., 1991-94
Lisa Tkatch, M.D., 1992-94
Xiaosui Jiang, M.D., Ph.D., 1992-95
Leslie Cousans, Ph.D., 1999-2001

University of Pittsburgh

Attending Physician, General Medical Rounds, 1-3 months/year, 1977-1997
Attending Physician, ID Service, 2-4 months/year, 1977-1997
Attending Physician (Pittsburgh AIDS Center for Treatment), wkly 1/2 day session, 12 months/yr, 1993-1977
First Year Courses: Host Defense Course, 1993 - 1997
Second Year Courses: Introduction to Medicine, Infectious Disease, 1980 - 1991
Department of Pathology, Infectious Diseases Session, 1977 - 1992
Morning Report, 1990 - 1997

Brown University School of Medicine

Morning Report, 1998-2008
Teaching Attending Rounds, 3 mths/year, 1998-2008
Attending Physician, Clinical Immunology Center - wkly 1/2 day session, 12 mths/yr, 1999-present
Mentor - Doctoring Course, 2007-present

Conferences Organized and Directed:

University of Pittsburgh

Grand Rounds, Montefiore Hospital, wkly, 1990-1991
Chief's Conference, Department of Medicine bimonthly hour-long clinical conference attended by approximately 100 physicians, residents and students, 1991-1997
Infectious Diseases Grand Rounds, wkly, 1991-1997
Infectious Diseases Research Conferences biweekly, 1991-1997
Intercity Infectious Diseases Rounds, mthly, 1991-1997
Update in Internal Medicine, University of Pittsburgh, Course director, 1995, 1996, 1997
Grand Rounds, Department of Medicine, University of Pittsburgh, wkly, 1995-1997

Brown University School of Medicine - Supervisor

Grand Rounds, wkly - Rhode Island Hospital, 1998 - 2008
Morbidity and Mortality Conference, wkly - The Miriam Hospital, 1998 - 2008
Annual Departmental Research Forum, 1998 - 2008
Lifespan Residents' Research Forum, 1998 - 2008