

CURRICULUM VITAE

Name: Diane McMahon-Pratt

Education:

1969 B.Sc. University of Southern California
Los Angeles, CA [Chemistry]
1971 M.A. University of California
Santa Barbara, CA [Chemistry]
1978 Ph.D. Harvard University
Boston, MA [Immunochemistry]
1978-1980 Post-doctoral Fellow in Medicine
Harvard Medical School (Immunoparasitology)

Academic Appointments:

1980-1981 Instructor in Medicine
Harvard Medical School, Boston, MA
1981-1985 Assistant Professor, Department of Medicine
Harvard Medical School, Boston, MA
1985-1986 Assistant Professor, Department of Epidemiology and Public Health
Yale University School of Medicine, New Haven, CT
1986-1995 Associate Professor, Department of Epidemiology and Public Health
Yale University School of Medicine, New Haven, CT
1995 - Professor, Department of Epidemiology and Public Health
Yale University School of Medicine, New Haven, CT

Awards:

1993 Bailey K. Ashford Medal - American Society Tropical Medicine and Hygiene
1994 Burroughs-Wellcome Lecturer - N.I.H. Laboratory of Parasitic Diseases

Membership in Professional Societies:

1969 - American Chemical Society
1981 - American Society for Tropical Medicine & Hygiene
1982 - American Association of Immunologists
1984 - Society of Protozoologists
1993 - American Society for Microbiology

Other Professional Appointments and Service:

1971-1973	Visiting Scientist, Goodger Trust Grant, Oxford University, England
1986	Site Visit and Review - Intramural Program of the Laboratory of Parasitic Diseases, N.I.H.
1988-1992	N.I.H. Study Section - Tropical Medicine and Parasitology
1988-1989	Consultant/Reviewer U.S.A.I.D.
1990	N.I.H. Site Visit Review Group
1991	T.D.R. Review of Parasitological Vaccine Program (World Health Organization, Geneva)
1992- 2000	N.I.H. Reviewers Reserve
1993-1997	Councilor, American Society for Tropical Medicine and Hygiene
1993 -	Ad Hoc Reviewer - N.I.H.
1993	FDA, Review Panel, Washington, D.C. Sept.20-23.
1994	Reviewer Site Visit FDA Intramural Research
1994-1998	Representative, Federation of Parasitological Societies (for American Society of Tropical Medicine and Hygiene)
1995-1999	Coordinator, Microbiology Graduate Program, Yale University, BBS Program
1995	Advisory Committee, Department of Tropical Public Health, Harvard School of Public Health
1998-2000	Appointments and Promotions Committee Yale University School of Medicine
1998-2000	Nominating Committee, American Society of Tropical Medicine and Hygiene
1999	Ad Hoc Reviewer, NIH, Microbiology and Infectious Disease Research
1999	Ad Hoc Reviewer, NIH TMP/Vector Biology Study Section
1999-present	Executive Council, Microbiology Graduate Program, Yale University
1999-present	Admission Committee, Microbiology Graduate Program, Yale University
March, 2000	Review Panel, Howard Hughes, International Infectious Disease Program
April, 2000	Review Panel, University of Pennsylvania, Graduate Program in Parasitology
Jan.-June 2000	Acting Head, Epidemiology of Microbial Diseases Division, School of Epidemiology and Public Health, Yale University -Executive Council EPH -EPH Appointments and Promotions Committee
2000, 2001, 2006	Provost's Appointments and Promotions Committee of EPH
2003	Ad Hoc Reviewer – Fogarty NIH
2000-2004	Member, Microbiology and Infectious Disease Research Study Section - NIH
2004	Ad Hoc Reviewer, NIH – Vaccine Development Grant
2004	T.D.R. Review of Leishmaniasis Program (World Health Organization, Geneva)
2001-2002	Senior Women - Space and Infrastructure Committee, Co-Chair Yale University School of Medicine

2001-2004 Yale University School of Medicine: Senior Faculty Allotment Committee
2005-2006 Chair, Liaison Committee – Search for Dean, School of Public Health
2006 - Review Panel – FDA Parasitic Diseases, Bethesda, MD

Served as a reviewer for grant applications to the National Science Foundation, Canadian Research Foundation, Veterans Administration and World Health Organization and US Army Research, Wellcome Trust (England)

Conferences Organized:

1. International Conference on Immunological and Biochemical Approaches to the Study of Leishmaniasis. Cotswalds, England. December, 1985.
2. Gordon Conference on Biological Aspects of Parasitism. August, 1991 (Co-organizer with Dr. D. Despommier).
3. W.H.O. Workshop, December, 1992. Pan American Health Organization. Washington, D.C.
4. Gordon Conference on Molecular and Cellular Aspects of Parasitism. June, 1993 (Organizer).
5. W.H.O. Workshop, December 1993, Identification and diagnosis of *Leishmania* species. Cali, Colombia.

Board of Reviewers:

1988-2000 Journal of Eukaryotic Microbiology
1993-Present Memorias Oswaldo Cruz
1999-Present Editorial Board, American Journal of Tropical Medicine and Parasitology

BIBLIOGRAPHY

REVIEWS AND CHAPTERS

1. McMahon-Pratt, D., Jaffe, C.L. and Grimaldi, G. 1983. Application of Monoclonal Antibodies to the Classification of *Leishmania* Species." In: Genes and Antigens of Parasites - A Laboratory Manual. C.M. Morel, editor. UNDP/WORLDBANK/WHO, Brazil. pp. 127-143.
2. Jaffe, C.L., McMahon-Pratt, D. and Grimaldi, G. 1983. "The Cultivation and Cloning of *Leishmania*." In: Genes and Antigens of Parasites - A Laboratory Manual. C.M. Morel editor. UNDP/WORLD BANK/WHO, Brazil. pp. 48-98.

3. Grimaldi, G., Jaffe, C.L. and McMahon-Pratt, D. 1983. "The Use of Monoclonal Antibodies in Immunohistochemical Immunocytochemical Techniques for Light and Electron Microscopy." In: Genes and Antigens of Parasites - A Laboratory Manual. C.M. Morel, editor. UNDP/WORLD BANK/WHO, Brazil. pp. 427-449.
4. Grimaldi, G., Tesh, R. and McMahon-Pratt, D. 1990. New World *Leishmania* - a Review. *Am. J. Trop. Med. Hyg.* 41:687-725.
5. Grimaldi, G. and McMahon-Pratt, D. 1990. Leishmaniasis and its etiologic agents in the New World: An overview. *In*: Progress In Clinical Parasitology. Vol. 2. T. Sun, ed. W.W. Norton and Co., New York. pp. 73-118.
6. McMahon-Pratt, D. and Alexander, J. 2004. Does the *L. major* paradigm pathogenesis and protection hold for New World cutaneous or the visceral disease? ***Immunol. Rev.***, **201**:206-24.

ARTICLES

1. Fife, T.H. and McMahon, D.M. 1969. The acid- and water- catalyzed hydrolysis of ρ -nitrophenyl esters. ***J. Am. Chem. Soc.*** **91**:7481.
2. Fife, T.H. and McMahon, D.M. 1969. Hydrolysis of bis(4-nitrophenyl)-carbonate and the general base catalyzed hydrolysis of 0-(4-nitrophenylene) carbonate. ***J. Org. Chem.*** **35**:3699.
3. Bruice, T.C., Kury, P.G. and McMahon, D.M. 1970. Chromophoric lactones and the mechanism of α -chymotrypsin action. ***J. Am. Chem.*** **92**:6674
4. Fife, T.H., Hutchins, J.E.C. and McMahon, D.M. 1972. Atypical deacylation of the acyl enzymes formed in the reaction of α -chymotrypsin with bis(4-nitrophenyl)-carbonate and 0-(nitrophenylene) carbonate. ***J. Am. Chem. Soc.*** **94**:1316.
5. Bruice, T.C. and McMahon, D.M. 1972. Nucleophilic selectivity in the attack at amide bonds. Reactivity of oxygen and nitrogen nucleophiles with N-acetyldedhydrophenyl-alanyl-l- proline diketopiperazine. ***Biochemistry*** **11**:1273.
6. Pratt, D.M. and Mole, L.E. 1975. Sequence studies on the constant region of the Fd sections of rabbit immunoglobulin G of different allotype. ***Biochem. J.*** **151**:337.
7. McMahon-Pratt, D., Parkman, R., Kaplan, D., Schwaber, J., Strominger, J.L. and Scher, C.D. 1977. Abelson virus transformed lymphocytes: nulls cells that modulate H-2. ***Cell*** **12**:683.

8. Evans, R.L., Faldetta, T.J., Humphreys, R.E., Pratt, D.M., Yunis, E.J., Schlossman, S.F. 1978. Peripheral human T-cells sensitized in mixed leukocyte culture synthesize and express Ia-like antigens. **J. Exp. Med.** **148**:1440.
9. McMahon-Pratt, D. 1978. A study of human T lymphocyte surface antigens. Ph.D. Thesis, Harvard University.
10. McMahon-Pratt, D., Schlossman, S.F. and Strominger, J.L. 1980. Human T lymphocyte surface antigens: partial purification and characterization utilizing a high-titer heteroantiserum. **J. Immunol.** **124**:1449.
11. McMahon-Pratt, D. and David, J.R. 1981. Monoclonal antibodies that distinguish new world species of *Leishmania*. **Nature** **291**:581.
12. McMahon-Pratt, D. and David, J.R. Applications of monoclonal antibodies to the taxonomy of *Leishmania*. Proceedings of the WHO Workshop on *Leishmania* Taxonomy. Washington, D.C., November 1980.
13. McMahon-Pratt, D. and David, J.R. 1982. Demonstration of promastigote stage-specific membrane protein on *L. mexicana amazonensis*. **Mol. Biochem. Parasitol.** **6**:317.
14. McMahon-Pratt, D., Bennett, E., and David, J.R. 1982. Monoclonal antibodies that distinguish subspecies of *Leishmania braziliensis*. **J. Immunol.** **129**:926.
15. Wirth, D. and McMahon-Pratt, D. 1982. Rapid identification of *Leishmania* species by specific hybridization of kinetoplast DNA in cutaneous lesions. **Proc. Nat'l Acad. Sci.** **79**:6999 (USA).
16. Landfear, S.M., McMahon-Pratt, D. and Wirth, D.F. 1983. Tandem arrangement of tubulin genes in the protozoan parasite *Leishmania enrietti*. **Mol. Cell Biol.** **3**:1070.
17. Jaffe, C. and McMahon-Pratt, D. 1983. Monoclonal antibodies specific for *Leishmania tropica*. I. Characterization of antigens associated with stage- and species- specific determinants. **J. Immunol.** **131**:1987.
18. Anderson, S., David, J.R. and McMahon-Pratt, D. 1983. *In vivo* protection against *Leishmania mexicana amazonensis* mediated by monoclonal antibodies. **J. Immunol.** **131**:1616.
19. McMahon-Pratt, D., Modi, G. and Tesh, R. 1983. Detection of promastigote stage-specific antigens of *Leishmania mexicana amazonensis* developing in the midgut of *Lutzomyia longipalpis*. **Am. J. Trop. Med. Hyg.** **32**:1268.
20. McMahon-Pratt, D. and David, J.R. 1982. Application of Monoclonal Antibodies Produced by Hybridoma Technology and their Application to the Study of Diseases -

21. Jaffe, C.L., Bennett, E., Grimaldi, G. and McMahon-Pratt, D. 1984. Production and characterization of species specific monoclonal antibodies against *Leishmania donovani* for immunodiagnosis. **J. Immunol.** **133**:440.
22. Huang, P.L., Roberts, B.E., McMahon-Pratt, D., David, J.R. and Miller, J.S. 1984. Structure and arrangements of the β -tubulin genes of *Leishmania tropica*. **Mol. Cell Biol.** **4**:1372.
23. Pan, A.A., McMahon-Pratt, D. and Honigberg, P.M. 1984. *Leishmania mexicana pifanoi*: antigenic characterization of promastigote and amastigote stages by solid phase radioimmunoassay. **J. Parasitol.** **70**:834.
24. Grimaldi, G., Jaffe, C.L., McMahon-Pratt, D. and Falquetto, A. 1984. A simple procedure for the isolation of leishmanial parasites and for the recovery of parasite virulence in avirulent stocks. **Trans. Roy. Soc. Trop. Med. Hyg.** **78**:560.
25. Cuba, C.A., Miles M., Verenat, A., Barker, D.C., McMahon-Pratt, D., Barreto, A.C. and Marsden, P.D. 1985. Três Braços, Bahia, Brazil, a mucocutaneous leishmaniasis focus. Characterization and classification of the *Leishmania* strains isolated from humans and dogs. **Trans. Roy. Soc. Trop. Med. Hyg.** **79**:500.
26. Saravia, N.G., Holguin, A.F., McMahon-Pratt, D. and D'Alessandro, A. 1985. Agents of mucocutaneous leishmaniasis in Colombia. **Am. J. Trop. Med. Hyg.** **34**:714.
27. McMahon-Pratt, D., Bennett, E., Grimaldi, G. and Jaffe, C.L. 1985. *Leishmania mexicana* specific antigens detected by monoclonal antibodies. **J. Immunol.** **134**:1935.
28. Shaw, J.J., Lainson, R., McMahon-Pratt, D. and David, J.R. 1987. Serodemes of *Leishmania braziliensis braziliensis* and *L. b. guyanensis*. Colloques Internationaux du Centre National de al Recherche Scientifique. La Taxonomie et al Phylogenesse des *Leishmania*, Montpellier, 1984. pp. 179-183.
29. McMahon-Pratt, D., Jaffe, C.L., Bennett, E. and Grimaldi, Jr., G. 1987. Analysis of *Leishmania* species employing monoclonal antibodies. Colloques Internationaux du Centre National de al Recherche Scientifique. La Taxonomie et al Phylogenesse des *Leishmania*. Montpellier, 1984. pp. 173-178.
30. Olivera Neto, M.P., Grimaldi, Jr., G., Momen, H., Pacheco, R.S., Marzochi, M.C.A. and McMahon-Pratt, D. 1986. Active cutaneous leishmaniasis in Brazil, induced by *Leishmania donovani chagasi*. **Mem. Inst. Oswaldo Cruz.** **81**:303.
31. Beverley, S.M., Ismach, R.B. and McMahon-Pratt, D. 1987. Evolution of the genes *Leishmania* as revealed by comparisons of nuclear DNA restriction fragment patterns. **Proc. Nat'l Acad. Sci.** **84**:484.

32. Shaw, J.J., Lainson, R., Ryan, L., Braga, R.R., McMahon-Pratt, D. and David, J.R. 1987. Leishmaniasis in Brazil: XXIII. The identification of *Leishmania braziliensis braziliensis* in wild caught sandflies, using monoclonal antibodies. **Trans. Roy. Soc. Trop. Med. Hyg.** **81**:69.
33. Grimaldi, Jr., G., David, J.R. and McMahon-Pratt, D. 1987. Identification and distribution of New World *Leishmania* species characterized by serodome analysis using monoclonal antibodies. **Am. J. Trop. Med. Hyg.** **36**:270.
34. Jaffe, C.L. and McMahon-Pratt, D. 1987. Serodiagnostic assay for visceral leishmaniasis employing monoclonal antibodies. **Trans. Roy. Soc. Trop. Med. Hyg.** **81**:587.
35. Kahl, L.P. and McMahon-Pratt, D. 1987. Structural and antigenic characterization of a species and promastigote-specific *L. mexicana amazonensis* membrane protein. **J. Immunol.** **138**:1587.
36. McMahon-Pratt, D., Jaffe, C.L., Kahl, L., Langer, P., Lohman, K., Pan, A., Rivas, L. 1987. In: NATO Advanced Research Workshop: Host-Parasite Molecular Recognition and Interaction in Protozoal Infections: Characterization of developmentally regulated molecules of *Leishmania*. Vol. III. p. 123-136.
37. Pan, A. and McMahon-Pratt, D. 1988. Monoclonal antibodies specific for the stage of *Leishmania pifanoi*. I. Characterization of antigens associated with stage- and species- specific determinants. **J. Immunol.** **140**:2406.
38. Champisi, J. and McMahon-Pratt, D. 1988. Leishmaniasis vaccine studies: The M-2 membrane glycoprotein protects against infection with *L. amazonensis*. **Infect. Immun.** **56**:3272-3279.
39. Beverley, S.M., Ismach, R. and McMahon-Pratt, D. 1987. Evolution of the genus *Leishmania* Ross, 1983, as revealed by comparisons of nuclear DNA restriction fragment patterns. Colloques Internationaux du Centre National de la Recherche Scientifique. La Taxonomie et la Phylogense des *Leishmania*. pp. 265-267.
40. Jaffe, C.L. and McMahon-Pratt, D. 1988. The identification of membrane glycoprotein in *Leishmania* species. **J. Parasitol.** **74**:548-561.
41. White, A.C. and McMahon-Pratt, D. 1988. Purification and characterization of an 80 kilodalton membrane protein from *Leishmania donovani*. **Infect. Immun.** **56**:2385-2391.
42. Pan, A. and McMahon-Pratt, D. 1989. Amastigote and epimastigote stage specific components of *Trypanosoma cruzi* characterized using monoclonal antibodies: Purification and molecular characterization of an 83kDa amastigote protein. **J. Immunol.** **143**:1001-1008.

43. de C.S. Lopes, A.H. and McMahon-Pratt, D. 1989. Monoclonal antibodies specific for the genus *Endotrypanum*. **J. Protozool.** **36**:354-361.
44. Ismach, R., Cianci, C.M.L., Caulfield, J.P., Langer, P.J. and McMahon-Pratt, D. 1989. Flagellar membrane and paraxial rod proteins of *Leishmania*: Characterization employing monoclonal antibodies. **J. Protozool.** **36**:615-619.
45. Warburg, A., Tesh, R.B. and McMahon-Pratt, D. 1989. Studies on the attachment of *Leishmania* flagella to sand fly midgut epithelium. **J. Protozool.** **36**:611-615.
46. Mimori, T., Grimaldi, Jr., G., Kreutzer, R.D., Gomez, E.A., McMahon-Pratt, D., Tesh, R.B., and Hashiguchi, Y. 1989. Identification, using isoenzyme electrophoresis and monoclonal antibodies, of *Leishmania* isolated from humans and wild animals of Ecuador. **Am. J. Trop. Med. Hyg.** **40**:154-158.
47. Eperon, S. and McMahon Pratt, D. 1989. I. Extracellular cultivation and morphological characteristics of amastigote- like forms of *Leishmania panamensis* and *L. braziliensis*. **J. Protozool.** **36**:510-518.
48. Eperon, S. and McMahon-Pratt, D. 1989. Extracellular amastigote-like forms of *Leishmania panamensis* and *L. braziliensis*. II. Stage- and species-specific monoclonal antibodies. **J. Protozool.** **36**:510-518.
49. Hanham, C., Shaw, J.J., Lainson, R. and McMahon-Pratt, D. 1990. Identification of *Leishmania venezuelensis* using monoclonal antibodies. **Am. J. Trop. Med. Hyg.** **42**:453-459.
50. de C.S. Lopes, A.H., Iovanni, D., Petrillo-Peixoto, M., McMahon-Pratt, D. and Beverley, S.M. 1990. Evolution of nuclear DNA and small chromosomal DNA's in the genus *Endotrypanum*. **Mol. Biochem. Parasitol.** **40**:151-161.
51. White, A.C. and McMahon-Pratt, D. 1990. Prophylactic immunization against experimental *Leishmania donovani* infection by use of a purified protein vaccine. **J. Infect. Dis.** **161**:1313.
52. Lohman, K., Langer, P.J. and McMahon-Pratt, D. 1990. Molecular cloning and characterization of the immunologically protective surface glycoprotein GP46/M-2 of *Leishmania amazonensis*. **Proc. Nat'l Acad. Sci.** **87**:8393-8397.
53. Le Bowitz, J.H., Coburn, C.M., McMahon-Pratt, D. and Beverley, S.M. 1990. A general vector for the expression of foreign genes in the human parasite *Leishmania*. **Proc. Nat'l Acad. Sci., U.S.A.** **87**:9736-9740.
54. Ponce, C., Ponce, E., Morrison, A., Cruz, A., Kreutzer, R., McMahon-Pratt, D. and

- Neva, F.A. 1991. A new clinical variant of cutaneous leishmaniasis in Honduras caused by *L. donovani chagasi*. **Lancet** **337**:67-70.
55. Barral, A., Pedral-Sampaio, D., Grimaldi, Jr., G., Momen, H., McMahon-Pratt, D., Ribeiro de Jesus, A., Almeida, R., Badaro, R., Barral-Netto, M., Carvalho, E.M. and Johnson, Jr., W.D. 1991. Leishmaniasis in Bahia, Brazil: Evidence that *Leishmania amazonensis* produces a wide spectrum of clinical disease. **Am. J. Trop. Med. Hyg.** **44**:536-546.
 56. Grimaldi, Jr., G., Momen, H., Naiff, R.D., McMahon-Pratt, D. and Barrett, T.V. 1991. Characterization and classification of leishmanial parasites from humans, wild mammals, and sand flies in the Amazon region of Brazil. **Am.J.Trop.Med.Hyg.** **44**:645-661.
 57. Kreutzer, R.D., Corredor, A., Grimaldo, Jr. G., Grogil, M., Rowton, E.D., Young, D.G., Morales, A., McMahon-Pratt, D., Guzman, H. and Tesh, R.B. 1991. Characterization of *Leishmania colombiensis* sp.n. (*kinetoplastida: trypanosomatidae*), a new parasite infecting humans, animals and phlebotomine sand flies in Colombia and Panama. **Am. J. Trop. Med. Hyg.** **44**:662-675.
 58. Rivas, L., Kahl, L., and McMahon-Pratt, D. 1991. Biochemical characterization of the protective glycoprotein, GP46/M-2 of *Leishmania amazonensis*. **Mol. Biochem. Parasitol.** **47**:235-244.
 59. Rainey, P.M., Spithill, McMahon-Pratt, D. and Pan, A.A. 1991. Biochemical and molecular characterization of *Leishmania pifanoi* amastigotes in continuous axenic culture. **Mol.Biochem. Parasitol.** **49**:111-118.
 60. McMahon-Pratt, D., Traub-Cseko, Y., Lohman, K., Rogers, D.D. and Beverley, S.M., 1992. Loss of the GP46/M-2 surface membrane glycoprotein gene family in the *Leishmania braziliensis* complex. **Mol. Biochem. Parasitol.** **50**:151-160.
 61. Melby, P.C., Kreutzer, R.D., McMahon-Pratt, D., Gam, A.A., and Neva, F.A. 1992. Cutaneous leishmaniasis: A review of 54 cases seen at the National Institutes of Health. **Clin. Infect. Dis.** **15**:924-937.
 62. Pan, A.A., Duboise, S.M., Eperon, S., Rivas, L., Hodgkinson, V., Traub-Cseko, Y. and McMahon-Pratt, D. 1993. Developmental life cycle of *Leishmania*- Cultivation and characterization of cultured extracellular amastigotes. **J. Eukaryotic Microbiol.** **40**:213-223.
 63. Traub-Cseko, Y., Duboise, M. and McMahon-Pratt, D. 1993. Identification of two distinct cysteine proteinase genes of *Leishmania pifanoi* axenic amastigotes using PCR. **Mol. Biochem. Parasitol.** **57**:101-115.
 64. McMahon-Pratt, D.M., Rodriguez, D., Rodriguez, J.R., Zhang, Y., Manson, K.,

- Bergman, C., Rivas, L., Rodriguez, J., Lohman, K.L., Ruddle, N.H. and Esteban, M. 1993. Recombinant vaccinia viruses expressing GP46/M-2 protect against *Leishmania* infection. **Infect. Immun.** **61**:3351-3359.
65. Traub-Cseko, Y.M., Almeida, R.W., Boukai, L.K., Costa-Pinto, D., Duboise, S.M., and McMahon-Pratt, D. 1994. Cysteine proteinases of *Leishmania*. **J. Brazilian Assoc. Adv. Sci.** **45**:339-342.
66. Duboise, S.M., Vannier-Santos, M.A., Costa-Pinto, D., Rivas, L., Pan, A.A., Traub-Cseko, Y., de Souza, W. and McMahon-Pratt, D. 1994. The biosynthesis processing and immunolocalization of *Leishmania pifanoi* cysteine proteinases. **Mol. Biochem. Parasitol.** **68**: 119-132.
67. Campos-Neto, A., Soong, L., Cordova, J., Angelo, D.S., Skeiky, Y.A.W., Ruddle, N.H., Reed, S., Janeway, Jr., C., and McMahon-Pratt, D. 1995. Cloning and expression of a *Leishmania donovani* gene instructed by a peptide isolated from MHC Class II molecules of infected macrophages. **J. Exp. Med.** **182**: 1423-1433.
68. Soong, L., Duboise, S.M., Kima, P., and McMahon-Pratt, D. 1995. *Leishmania pifanoi* amastigote antigens protect mice against cutaneous leishmaniasis. **Infect. Immun.** **63**: 3559-3566.
69. Amaral, V.F., Oliveira Pinto, V.A., Conceicao-Silva, F., Ferreira, V., Coutinho, S.G., McMahon-Pratt, D.M. and Grimaldi, G. 1996. *Leishmania amazonensis*: The Asian rhesus macaques (Macaca Mulatta) as an experimental model for study of cutaneous leishmaniasis. **Exp. Parasitol.** **82**: 34-44.
70. Hodgkinson, V.H., Soong, L., Duboise, S.M., and McMahon-Pratt, D. 1996. *Leishmania amazonensis*: cultivation and characterization of axenic amastigote-like organisms. **Exp. Parasitol.** **84**: 94-105.
71. Soong, L., Xu, J., Grewal, I.S., Kima, P., Sun, J., Longley, B.J., Ruddle, N.H., McMahon-Pratt, D., and Flavell, R.A. 1996. Disruption of CD40/CD40L interactions results in an enhanced susceptibility to *Leishmania amazonensis* infection. **Immunity** **4**: 263-272.
72. Grimaldi Jr., G. and McMahon-Pratt, D. 1996. Monoclonal antibodies for the identification of New World *Leishmania* species. **Mem. Inst. Oswaldo Cruz,** **91**: 37-42.
73. Kima, P., Soong, L., Chincaro, C., Ruddle, N.H., and McMahon-Pratt, D. 1996. *Leishmania* parasites promote sequestration of endogenously synthesized parasite antigen from presentation by infected macrophages to CD4+ T cells. **Eur. J. Immunol.** **26**: 3163-3169.
74. Coutinho, S.G., Oliveria, M.P., DaCruz, A.M., DeLuca, P., Mendonca, S.C.F., Bertho,

- A.L., Soong, L. and McMahon-Pratt, D. 1996. T cell responsiveness of American cutaneous leishmaniasis patients to purified *Leishmania pifanoi* amastigote antigens and *Leishmania braziliensis* promastigote antigen. Immunologic patterns associated with cure. **Exp. Parasitol.** **84**: 144-155.
75. Franco, A.M.R., Machado, G.M.C., Naiff, R.D., Moreira, C.F.S., McMahon-Pratt, D., and Grimaldi, Jr., G. 1997. Characterization of *Endotrypanum* parasites using specific monoclonal antibodies. **Mem. Instituto Oswaldo Cruz** **92**: 63-68.
76. Kima, P., Ruddle, N.H. and McMahon-Pratt, D. 1997. Presentation via the class I pathway by *Leishmania amazonensis*-infected macrophages of an endogenous leishmanial antigen to CD8+ T cells. **J. Immunol.** **159**: 1828-1834.
77. Soong, L., Chang, C-H., Sun, J., Longley, B.J., Ruddle, N.H., Flavell, R.A. and McMahon-Pratt, D. 1997. Role of CD4+ T cells in pathogenesis associated with *Leishmania amazonensis* infection. **J. Immunol.** **158**: 5374-5383.
78. McMahon-Pratt, D., Kima, P. and Soong, L. 1998. *Leishmania* amastigote target antigens: the challenge of a stealthy intracellular parasite. **Parasitol. Today** **14**., 31-34.
79. Haberer, J.E., Da-Cruz, A.M., Soong, L., Oliveira-Neto, M.P., Rivas, L., Coutinho, S.G. and McMahon-Pratt, D. 1998. *Leishmania pifanoi* amastigote antigen P-4: Epitopes involved in T-cell responsiveness in human cutaneous leishmaniasis. **Infect. Immun.** **66**: 3100-3105.
80. Silveira, F.T., Blackwell, J.M., Ishikawa, E.A., Braga, R., Shaw, J.J., Quinnell, R.J., Soong, L., Kima, P.E., McMahon-Pratt, D., Black, G.F., and Shaw, M.-A. 1998. T cell responses to crude and defined leishmanial antigens in patients from the Lower Amazon region of Brazil infected with different species of *Leishmania* of the subgenera *Leishmania* and *Viannia*. **Parasite Immunol.** **20**: 19-26.
81. Kima, P.E., Constant, S.E., Hannum, L., Colmentares, M., Lee, K.S., Haberman, A.M., Shlomchik, M.J., and McMahon-Pratt, D.M. 2000. Internalization of *Leishmania mexicana* complex amastigotes via the Fc receptor is required to sustain infection in murine cutaneous leishmaniasis. **J. Exp. Med.** **191**: 1063-1067.
82. Boukai, L.K., Costa-Pinto, D., Soares, M.J., McMahon-Pratt, D. and Traub-Cseko, Y.M. 2000. Trafficking of cysteine proteinase to *Leishmania* lysosomes: Lack of involvement of glycosylation. **Mol. Biochem. Parasitol.** **107**: 321-325.
83. Boukai, L.K., McMahon-Pratt, D., and Traub-Cseko, Y. 2000. Evidence for a recent mutation giving rise to a truncated copy of cysteine proteinase gene in *Leishmania pifanoi*. **Parasitology International** **49**:301-7.

84. Kar, S., Soong, L., Colmenares, M., Goldsmith-Pestana, K. and McMahon-Pratt, D. 2000. The immunologically protective P-4 antigen of *Leishmania* amastigotes: A developmentally regulated nuclease associated with the endoplasmic reticulum. **J. Biol. Chem.** **275**: 37789-97.
85. Segura, E.L., Juan, N., Piguin, A.L., Cuba Cuba, C.A., Abramo Orrego, L., McMahon-Pratt, D., Montamat, E.E., Momen, H., and Grimaldi, G. Jr.2000. Molecular and biologic characterization of *Leishmania* implicated in an epidemic outbreak in northwestern Argentina 1985-1986. **Parasitol. Res.** **86**: 504-8.
86. Costa-Pinto, D., Trindade L.S., McMahon-Pratt, D. and Traub-Cseko, Y. 2001. Cellular trafficking in trypanosomatids: A new target for therapies ? **Int. J. Parasitol.** **31**:536-43.
87. Colmenares, M. , Tiemeyer, M., Kima, P.E. and McMahon-Pratt, D. 2001. Biochemical and biological characterization of the protective *Leishmania pifanoi* amastigote antigen, P-8. **Infect. Immun.** **69**: 6776-84.
88. Colmenares, M., Kar, S., Goldsmith-Pestana, K. and McMahon-Pratt. 2002. Mechanisms of pathogenesis: Differences amongst the *Leishmania* species. **Trans. Roy. Soc. Trop. Med. Hyg.**, **96**: S1-7.
89. Saravia, N.G., Weigle, K., Navas, C., Segura, I., Valderrama, L., Valencia, A.Z., Escorcia, B., and McMahon-Pratt, D. 2002. Heterogeneity, geographic distribution and pathogenicity of serodemes of *Leishmania Viannia* in Colombia. **Am. J. Trop. Med.Hyg.**, **66**: 738-44. .
90. Colmenares, M., Constant, S. Kima, P.E., and McMahon-Pratt. 2003. *Leishmania pifanoi* pathogenesis: Selective lack of a local cutaneous response in the absence of circulating antibody. **Infect. Immun.** **70**:6597-6605.
91. Maasho, K., McMahon-Pratt, D., Raita, J., Raul, M., Edjegu, M., Britton, S., Soong, L., and Akuffo, H. 2003.Evaluation of amastigote reactive cells in human cutaneous leishmaniasis caused by *Leishmania aethiopic*a. **Clin. Exp. Immunol.**, **132**:316-22.
92. Ahmed, S., Colmenares, M., Soong, L., Goldsmith-Pestana, K., Munstermann, L., and McMahon-Pratt, D. 2003. Murine visceral leishmaniasis: characterization of intradermal and low intravenous challenge models. **Infect. Immun.** **71**: 401-410.
93. Colmenares, M., Kima, P., Samoff, E., Soong, L. and D. McMahon-Pratt. 2003. Perforin and IFN- γ are critical CD8⁺ T cell-mediated responses in vaccine-induced immunity against *Leishmania amazonensis* infection. **Infect. Immun.** **71**: 3172-82.
94. Maasho, K., Nylen, S., Koning, F., McMahon-Pratt, D. and Akuffo, H. 2004. Immunoregulatory and effector responses of cells from healthy donors to leishmanial amastigote cysteine proteinase antigens. **Scand. J. Immunol.**, **59**: 294-304.

95. Kar, S., Metz, C. and McMahon-Pratt, D. 2005. CD4⁺ T cells play a dominant role in protection against New World leishmaniasis induced by vaccination with the P-4 amastigote antigen. **Infect. Immun.** **73**: 3823-7.
96. McMahon-Pratt, D. and Alexander, J. 2004. Does the *L. major* paradigm pathogenesis and protection hold for New World cutaneous or the visceral disease? **Immunol. Rev.**, **201**:206-24.
97. Dondji, B., Pérez-Jimenez, E., Goldsmith-Pestana, K., Esteban, M., and McMahon-Pratt, D. 2005. Prime-Boost Vaccination using the LACK Antigen Protects Against Murine Visceral Leishmaniasis. **Infect. Immun.** **73**:5286-9.