

CURRICULUM VITAE

Henry P. Godfrey, M.D., Ph.D.

OFFICE ADDRESS

Department of Pathology
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CURRENT POSITION

Professor and Director, Ph.D. Program in Experimental Pathology,
Department of Pathology, New York Medical College

CITIZENSHIP

United States

EDUCATION

Harvard College, Cambridge, MA. 9/58-6/61. A.B. *cum Laude*, 1961

Harvard Medical School, Boston, MA. 9/61-6/65. M.D. *cum Laude*, 1965

University of Birmingham, United Kingdom. 7/70-12/80. Ph.D., 1980

POSTGRADUATE TRAINING

National Institutes of Health Summer Research Fellow, Department of Bacteriology & Immunology, Harvard Medical School, Boston, MA. Full-time. 6/63-9/63, 7/64-10/64. (Prof. A.H. Coons). Conducted thesis research on *in vitro* production of anti-bacteriophage antibodies by rabbit lymph node cells for M.D.

Intern in Medicine, Department of Medicine. Barnes Hospital, St. Louis, MO. Full-time. 6/65-6/66. (Prof. E. Reinhard). Medical internship.

Staff Associate, Division of Biologics Standards, Laboratory of Bacterial Products, Section on Allergenic Extracts, National Institutes of Health, Bethesda, MD. Full-time. 6/66-6/70. (Dr. H. Baer). Conducted research on mechanisms of delayed hypersensitivity due to tuberculocarbohydrates and tuberculoproteins, relationship of pharmacokinetics of poison ivy urushiol to induction of contact dermatitis, mechanisms of contact dermatitis, standardization of ragweed and poison ivy allergenic extracts.

Moseley Travelling Fellow, Harvard Medical School, Boston, MA. Full time. 7/70-6/72. (Dr. P. G. H. Gell, Department of Experimental Pathology, University of Birmingham, United Kingdom). Conducted thesis research on mechanisms of delayed hypersensitivity for Ph.D.

ACADEMIC APPOINTMENTS

Honorary Research Fellow, Department of Experimental Pathology, University of Birmingham Medical School, Birmingham, United Kingdom. Full-time. 7/70-4/78. (Dr. P.G.H. Gell)

Videnskæbelig Assistent (Assistant Professor), Institute for Experimental Immunology, University of Copenhagen, Copenhagen, Denmark. Full-time. 3/72-11/72. (Dr. M. Simonsen)

Lektor (Associate Professor), Institute for Experimental Immunology, University of Copenhagen. Full-time. 11/72-7/75. (Dr. Simonsen)

Assistant Professor, Department of Pathology, State University of New York at Stony Brook, Stony Brook, NY. Full-time. 7/75-6/82. (Dr. F. Miller)

Associate Professor, Department of Pathology, New York Medical College, Valhalla, NY. Full-time. 7/82-4/88. (Dr. Y. Kikkawa)

Professor, Department of Pathology, New York Medical College. Full-time. 4/88-

Visiting Scientist, University Skin Clinic, Department of Experimental Dermatology, University of Münster, Münster, German Federal Republic. 2/84-3/84. (Dr. C. Sorg)

Visiting Scientist, Department of Pathology, University of Cambridge, Cambridge, United Kingdom. 6/88-8/88. (Dr. A.A. Nash)

PROFESSIONAL CERTIFICATION

Diplomate of the National Board of Medical Examiners, 1966

Licensed to practice medicine in the State of New York (License No. 100544), 1968

PROFESSIONAL SOCIETY MEMBERSHIPS

American Association for the Advancement of Science

American Association of Immunologists

American Association of Investigative Pathologists

American Society for Microbiology

British Society for Immunology

Harvey Society

New York Academy of Sciences

Sigma Xi

INVITED SPEAKER/ATTENDEE (National and International Conferences)

First International Lymphokine Workshop, Washington, DC, 1976

Second International Lymphokine Workshop, Ermatingen, Switzerland, 1979
Third International Symposium on Human Lymphokines, Dallas, TX, 1981
Gordon Conference on Fibronectin, Tilton, NH, 1982
Third International Lymphokine Workshop, Haverford, PA, 1982
INSERM Conference on Molecular Biology of Hemostatic, Immune and Inflammatory Pathways, Onzain, France, 1982
Fourth International Lymphokine Workshop, Klais, German Federal Republic, 1984
Gordon Conference on Fibronectin, Oxnard, CA, 1985
Fifth International Lymphokine Workshop, Clearwater Beach, FL, 1987
Cellular Mechanisms in Infection Immunity, Elsinore, Denmark, 1988
Sixth International Lymphokine Workshop, Evian, France, 1988
First International Conference on the Pathogenesis of Mycobacterial Infections, Stockholm, Sweden, 1990
Lymphoid Cells and Molecules in Infection Immunity, Elsinore, Denmark, 1991.
Gordon Conference on Fibronectin, Oxnard, CA, 1993
NATO Advanced Studies Institute on Biology of Salmonella, Portorosa, Italy, 1992
Second International Conference on the Pathogenesis of Mycobacterial Infections, Stockholm, Sweden, 1993
Cellular Mechanisms in Infection Immunity, Elsinore, Denmark, 1994
Keystone Conference on Tuberculosis, Durango, CO, 1995
International Symposium on Bovine Tuberculosis in Animals and Human Beings, College Park, MD, 1995
Third International Conference on the Pathogenesis of Mycobacterial Infections, Stockholm, Sweden, 1996
TB: Molecular Mechanisms and Immunologic Aspects, Keystone, CO, 1998
Cellular Mechanisms and Molecules in Infection Immunity, Elsinore, Denmark, 1998
Eighteenth International Conjoint Pulmonary and Immunology Conference (featured speaker), Santiago, Chile, 1998
Fourth International Conference on the Pathogenesis of Mycobacterial Infections, Stockholm, Sweden, 1999
ASM Conference. Tuberculosis: Past, Present, Future, New York, NY, 2000
Keystone Conference on Tuberculosis, Taos, NM, 2001
ASM Conference. Immunity to Bacterial, Viral and Protozoal Pathogens, Savannah, GA, 2002
Induction and Maintenance of the Immune Response to Infection, Elsinore, Denmark, 2002
Fourth World Congress on Tuberculosis, Washington, DC, 2002
Ninth International Conference on Lyme Borreliosis and Other Tick-borne Diseases, New York, NY, 2002
Keystone Conference on Tuberculosis, Taos, NM, 2003
Cellular Mechanisms in Host-Pathogen Interaction, Elsinore, Denmark, 2006

SESSION CHAIRMAN

American Association of Immunologists, "Products and activation of macrophages", 1977

Fourth International Congress of Immunology, “Immunopathological mechanisms of hypersensitivity reactions”, 1980
International Symposium on Bovine Tuberculosis in Animals and Human Beings, “Diagnostic Methods Workshop”, 1995

HONORS AND OTHER SPECIAL RECOGNITIONS

National Merit Scholarship, 1958-1961
Harvard College National Scholarship, 1958-1961
New York State Regents Scholarship, 1958 (declined)
National Science Foundation Summer Research Fellowship, 1960
New York State Regents Medical Scholarship, 1961 (declined)
Boylston Medical Society (Harvard Medical School), 1963-1965
Moseley Travelling Fellow, Harvard University, 1970-1972
Anna Fuller Fund Grantee, 1970-1972
Kroc Foundation Grantee, 1976-1979
Member, Abstracts Editorial Board, *Transplantation Proceedings* (1981-2001)
Member, Editorial Board, *Lymphokines* (1982-1987)
Ad hoc reviewer, British Medical Research Council, 1993-
Member, Special Review Committee RFA AI-93-05, International Collaborations in Infectious Disease Research, 1993
Member, Special Review Committee RFA AI-94-22, Basic Research on Human Tuberculosis, 1994
Ad hoc reviewer, Microbiology and Infectious Disease Review Committee, 1994
Ad hoc reviewer, Epidemiology and Disease Control-2, 1996
Ad hoc reviewer, Special Review Committee RFA HL-99-012, Development of Animal Models in HIV Related Disease, 1999
Fellow, American Academy of Microbiology, 2000
Ad hoc reviewer, Immunological Sciences Study Section, 2000
Member, Integrative Physiology Study Section (NASA), 2002
Member, Editorial Board, *Journal of Clinical Microbiology*, 2003-2009
Ad hoc reviewer, Bacterial Detection, Food Safety and Microbial Sterilization Special Emphasis Panel [ZRG IDM-M (11)], 2006
Ad hoc reviewer, Non-Viral Infectious Agent Detection and Diagnostics Special Emphasis Panel [ZRG1 IDM-R (13) (B)], 2007
Ad hoc reviewer: *Clinical and Laboratory Diagnostic Immunology*, *Cellular Microbiology*, *Epidemiology and Infection*, *Journal of Immunology*, *Infection and Immunity*, *Journal of Investigative Dermatology*, *Emerging Infectious Diseases*, *Life Sciences*

DEPARTMENTAL AND UNIVERSITY SERVICE

Graduate Program Director, Department of Pathology, SUNY at Stony Brook, 1977-1981

Steering Committee, School of Basic Health Sciences, SUNY at Stony Brook, 1977-1980
Graduate Education Committee, School of Basic Health Sciences/School of Medicine,
1976-1981
Dental School Curriculum Committee, SUNY at Stony Brook, 1976-1982
Faculty Senate, Health Sciences Center, SUNY at Stony Brook, 1979-1982
Associate Graduate Director, Department of Pathology, New York Medical College,
1982-1991
Graduate Program Director, Department of Experimental Pathology, New York Medical
College, 1991-1995
Ph.D. Program Director, Department of Pathology, New York Medical College, 1995-1997
Graduate Faculty Council, New York Medical College, 1982-
Radioisotope Committee, New York Medical College, 1983-
Faculty Senate, New York Medical College, 1983-1984, 1993-1995
Medical School Admissions Committee, New York Medical College, 1984-1987
Grants and Fellowships Review Committee, New York Medical College, 1987-
Dean's Distinguished Research Award Committee, New York Medical College, 1996-1999

TEACHING ACTIVITY

SUNY at Stony Brook (1976-1982)

Courses taught. Pathology for Undergraduates; Readings in Pathology (Undergraduate Research Tutorial); Research Project in Pathology (Undergraduate); Medical School Pathology; Introductory Immunology (Graduate School); Research Seminars in Pathology; Experimental Pathology Journal Club.

Improvements in instructional activities. Conceived, developed and taught graduate school course in immunology. Developed departmental Ph.D. Research Seminar course and Journal Club.

New York Medical College (1982-)

Courses taught. General Pathology (Medical School); Systemic Pathology (Medical School); Experimental Pathology Laboratory (Graduate School); Selected Readings in Experimental Pathology (Graduate School); Experimental Pathology Journal Club (Graduate School); Medical Microbiology (Medical School); Basic Immunology (Graduate School); Advanced Immunology (Graduate School); Adhesion Molecules (Graduate School); Microbial Pathogenicity (Graduate School).

TEACHING ACTIVITY (continued)

Improvements in instructional activities. Developed and maintained course in Experimental Pathology Laboratory. Developed and maintained departmental

Journal Club. Supervised development of two additional Master of Science programs in Experimental Pathology, M.S. in Experimental Pathology with emphasis in Environmental Pathology and M. S. in Experimental Pathology with emphasis in Environmental Toxicology.

MILITARY SERVICE

Surgeon (LCDR), Commissioned Corps Active Reserve, USPHS. Division of Biologics Standards, National Institutes of Health, 7/66-6/70.

Assistant Surgeon, 7/70-10/79; Surgeon, 10/79-10/83; Senior Surgeon (CDR), Commissioned Corps Inactive Reserve, USPHS, 10/83-9/95. (Resigned Commission, 9/95).

LANGUAGE SKILLS

Fluent in spoken and written Danish. Reading knowledge of French and Spanish.

GRANT SUPPORT

U. S. Public Health Service R01 AI43063-05A1 (F.C. Cabello, PI; H.P. Godfrey, Co-PI) (3/1/03 - 2/29/08). Stringent response and *bmp* expression in *B. burgdorferi*. Characterize the stringent response and its role in expression of *bmp* genes in *B. burgdorferi*.

U. S. Public Health Service R01 AI37014 (F.C. Cabello, PI; H.P. Godfrey, Co-PI) (2/1/01 - 1/31/06). Genetic approaches to virulence in *B. burgdorferi*. Identify and characterize potential *Borrelia burgdorferi* immunogens induced by the stringent response by immunochemical and tandem mass spectroscopy methods.

New York Medical College Research Endowment Fund (H.P. Godfrey, PI) (2002-2004). A novel mycobacterial enhancing element. Total direct costs 8/1/02-7/31/04, \$20,000. Characterize mycobacterial proteins binding to a nucleotide sequence in *Mycobacterium tuberculosis* and characterize its role in modulating gene expression.

U. S. Public Health Service R03 AI45925 (H.P. Godfrey, PI) (1999-2002). A putative mycobacterial regulatory factor. Total direct costs 8/1/99-7/31/02, \$150,000. Isolate and characterize protein(s) binding to a putative regulatory sequence in the *Mycobacterium tuberculosis* genome, and examine the role of this sequence in activation of particular genes in this organism.

GRANT SUPPORT (continued)

U. S. Public Health Service R01 AI37014 (H.P. Godfrey, PI) (1994-1998). Antigen 85 and TB diagnosis. Total direct costs 10/1/94 - 6/30/98, \$354,899. Develop diagnostic

assay for active tuberculosis by detection of a *Mycobacterium tuberculosis* secretory protein in circulation using a monoclonal antibody-based immunoassay.

U. S. Public Health Service R01 CA34141 (H.P. Godfrey, PI) (1979-1996). T cell fibronectin. Total direct costs 4/1/92 - 3/31/96, \$473,708. Discovery, characterization and purification of T cell fibronectin; analysis of role of T cell fibronectin in delayed-type hypersensitivity reactions and endothelial cell activation.

New York Medical College Lyme Disease Center (H.P. Godfrey, PI) (1990-1991). Human immune response to cloned *B. burgdorferi* antigens. Direct costs, \$20,000. Production of DNA expression library of *Borrelia burgdorferi*, cause of Lyme disease. Cloning and sequencing of human immunogens of *B. burgdorferi* from this library with aim of developing new diagnostics and vaccines for Lyme disease.

The Burroughs Wellcome Fund Research Travel Grant (H.P. Godfrey, PI) (1988). Relationship of lymphokine production to fibronectin-specific mRNA in cloned T cells. Direct costs, \$4,000. Molecular genetic characterization of T cell fibronectin production.

RESEARCH INTERESTS

Microbial factors in pathogenesis of tuberculosis and Lyme disease.

Cellular and molecular mechanisms of cellular immunity and delayed hypersensitivity in infectious disease.

Diagnostic immunoassays for tuberculosis and other infectious diseases.

BIBLIOGRAPHY

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Patents

1. F. Cabello, L. Aron, H. P. Godfrey, I. Schwartz. Chromosomally-encoded membrane protein of *Borrelia burgdorferi*. U.S. Patent Application Serial Number 08/313412 filed September 27, 1994; U.S. Patent 6248583 issued June 19, 2001.
2. F. Cabello, L. Aron, H. P. Godfrey. Cloning, mapping, and DNA sequencing of the genes of three previously undescribed chromosomally-encoded *Borrelia burgdorferi* proteins of 15,867, 50,773 and 55,716 kDa: their use, and that of their DNA sequences, in prevention and diagnosis of Lyme disease. U.S. Provisional Patent Application Serial Number 60/013915, filed March 18, 1996.
3. H. P. Godfrey, S. I. Bentley-Hibbert. Serum antigen 85 levels as a diagnostic indicator of active tuberculosis. U.S. Provisional Patent Application, filed July 24, 1996.
4. H. P. Godfrey, J. Geliebter, R. K. Tiwari, X. Liu. Nucleotide sequences with enhancing activity for foreign gene expression in recombinant mycobacterial vaccines. U.S. Provisional patent application number 60/409,067, issued September 9, 2002; 60/506,722, issued September 30, 2003.
5. X. Liu, H. P. Godfrey. Aliquot tube sets. U.S. Provisional patent application number 60/417,563, issued November 4, 2002.

Book

F.C. Cabello, D. Hulinska, H.P. Godfrey, eds. *Molecular Biology of Spirochetes*. IOS Press, Amsterdam: 2006. i-x + 400 pp.

Publications

1. H. P. Godfrey. 1961. A. B. Thesis. *Studies on Bacterial Ribosomes*. Harvard College, Cambridge, Massachusetts. 41 pp.
2. H. P. Godfrey. 1965. M. D. Thesis. *Studies on the Antibody Response of Rabbit Lymph Node Fragments Secondarily Stimulated and Cultured In Vitro*. Harvard Medical School, Boston, Massachusetts. 73 pp.
3. H. P. Godfrey. 1980. Ph. D. Thesis. *Studies on Delayed-Onset Hypersensitivities*. University of Birmingham, Birmingham, United Kingdom. 296 pp.
4. H. P. Godfrey, D. J. Yashphe, A. H. Coons. 1969. Characterization of IgM and IgG antibodies produced during the anamnestic response *in vitro*. *J. Immunol.* 102:317-326.

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5. S. D. Chaparas, H. Baer, H. P. Godfrey. 1969. *In vivo* and *in vitro* studies on tuberculin active polysaccharide and protein fractions. *Z. Immunitätsforsch.* 137:134-143, 1969.
6. H. P. Godfrey, H. Baer, S. D. Chaparas. 1969. Inhibition of macrophage migration by a skin-reactive polysaccharide from BCG culture filtrates. *J. Immunol.* 102:1466-1473, 1969.
7. H. Baer, H. P. Godfrey, C. J. Maloney, P. S. Norman, L. M. Lichtenstein. 1970. The potency and antigen E content of commercially prepared ragweed extracts. *J. Allergy* 45:347-354.
8. S. D. Chaparas, D. E. Thor, H. P. Godfrey, H. Baer, S. R. Hedrick. 1970. Tuberculin-active carbohydrate that induces inhibition of macrophage migration but not lymphocyte transformation. *Science* 170:637-639.
9. H. P. Godfrey, H. Baer, R. C. Watkins. 1971. Delayed hypersensitivity to catechols. V. Absorption and distribution of substances related to poison ivy extracts and their relation to the induction of sensitization and tolerance. *J. Immunol.* 106:91-102.
10. H. P. Godfrey, H. Baer. 1971. The effect of physical and chemical properties of the sensitizing substance on the induction and elicitation of delayed contact sensitivity. *J. Immunol.* 106:431-441.
11. H. P. Godfrey, H. Baer. 1971. Antibodies produced after immunization with substituted metadinitrobenzenes. Production of γ_1 and γ_2 classes of antibody including complement-dependent antibodies. *J. Immunol.* 106:1202-1212.
12. H. Baer, H. P. Godfrey. 1971. Absorption through the skin of sensitizing and non-sensitizing substances related to the active principle of poison ivy. *Adv. Biol. Skin* 2:161-165.
13. H. P. Godfrey, H. Baer. 1971. The effect of excision of the site of application on the induction of delayed contact sensitivity. *J. Immunol.* 107:1643-1646.
14. P. G. H. Gell, H. P. Godfrey. 1974. Studies on cell separation in delayed hypersensitivity. *Monogr. in Allergy* 8:89-99.
15. H. P. Godfrey. 1975. Seasonal variation of induction of contact sensitivity and of lymph node T lymphocytes in guinea pigs. *Int. Arch. Allergy Appl. Immunol.* 49:411-414.
16. H. P. Godfrey, A. F. Geczy, P. G. H. Gell, B. Rubin. 1976. Induction of specific anti-guinea pig T cell sera in rabbits. *J. Immunol. Meth.* 9:211-223.
17. H. P. Godfrey. 1976. Differences in sensitivity to a cytotoxic anti-thymus-derived lymphocyte serum of cells mediating delayed-onset reactions in guinea pigs to hapten-protein conjugates and contactants. *Cell. Immunol.* 22:28-42.

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18. H. P. Godfrey. 1976. Hapten-specific responses to contact sensitizers. Use of fluorodinitrobenzene to elicit migration inhibition and macrophage agglutination factors from lymph node cells of contact sensitive guinea pigs. *Immunology* 30:685-694.
19. H. P. Godfrey, P. G. H. Gell. 1976. Separation by column chromatography of cells active in delayed-onset hypersensitivities. *Immunology* 30:695-703.
20. H. P. Godfrey. 1976. The use of 1-fluoro-2, 4-dinitrobenzene as an affinity label for the antigen receptor of delayed hypersensitivity. *Immunology* 31:665-673.
21. H. P. Godfrey. 1977. Mechanism of formation of non-immune rosettes between guinea pig thymus-derived lymphocytes and rabbit erythrocytes. *Immunology* 32:25-31.
22. H. P. Godfrey, P. G. H. Gell. 1978. Cellular and molecular events in the delayed-onset hypersensitivities. *Rev. Physiol. Biochem. Pharmacol.* 84:1-92. (Review)
23. H. P. Godfrey, C. L. Geczy. 1978. Guinea pig macrophage agglutination factor is antigenically distinct from migration inhibition factor and immunoglobulin. *J. Immunol.* 121:1428-1431.
24. H. P. Godfrey. 1980. Properties and isolation of guinea pig macrophage agglutination factor. In *Biochemical Characterization of Lymphokines*, ed. by A.L. deWeck, F. Kristensen, M. Landy. Academic Press, New York. pp. 43-46.
25. H. P. Godfrey, C. Koch. 1980. Ability of an anti-T cell serum to dissociate two features of cellular hypersensitivity in the guinea pig. *Immunology* 40:247-254.
26. R. White, A. Janoff, H. P. Godfrey. 1980. Secretion of alpha-2-macroglobulin by human alveolar macrophages. *Lung* 158:9-14.
27. R. White, G. S. Habicht, H. P. Godfrey, A. Janoff, E. Barton, C. Fox. 1981. Secretion of elastase and alpha-2-macroglobulin by cultured murine peritoneal macrophages. Studies on their interaction. *J. Clin. Lab. Med.* 97:718-729.
28. H. P. Godfrey, J. Pastore, P. W. Askenase. 1981. A modified Giemsa stain for demonstrating basophils in glycol methacrylate embedded tissue sections. *J. Histotechnol.* 4:80-82.
29. H. P. Godfrey, A. Purohit. 1982. Macrophage agglutination activity of human plasma proteins. In *Human Lymphokines*, ed. by A. Khan, N.O. Hill. Academic Press, New York. pp. 353-360.
30. H. P. Godfrey, A. Purohit. 1982. Characterization of a guinea-pig lymphokine, macrophage agglutination factor. *Immunology* 46:507-514.
31. H. P. Godfrey, A. Purohit. 1982. Reversible binding of a guinea-pig lymphokine to gelatin and fibrinogen. Possible relationship of macrophage agglutination factor and fibronectin. *Immunology* 46:515-526.

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32. H. P. Godfrey, M. E. Phillips, P. W. Askenase. 1983. Histopathology of delayed-onset hypersensitivities in contact sensitive guinea pigs. *Int. Arch. Allergy Appl. Immunol.* 70:50-58.
33. S. F. Natbony, M. E. Phillips, J. M. Elias, H. P. Godfrey, A. P. Kaplan. 1983. Histologic studies of chronic urticaria. *J. Allergy. Clin. Immunol.* 71:177-183.
34. H. P. Godfrey, A. Atlas, B. Randazzo, C. V. Angadi. 1982. Regulation of macrophage agglutination factor production by α_2 -macroglobulin. *Immunology* 51:503-510.
35. H. P. Godfrey, C. Ilardi, W. Engber, F. M. Graziano. 1984. Quantitation of human synovial mast cells in rheumatoid arthritis and other rheumatic diseases. *Arthritis Rheum.* 27:852-856.
36. H. P. Godfrey, C. V. Angadi, R. Wolstencroft, C. Bianco. 1984. Localization of macrophage agglutination factor activity to the gelatin-binding domain of fibronectin. *J. Immunol.* 133:1417-1423.
37. J. M. Elias, J. Chiba, E. M. Shevach, H. P. Godfrey. 1985. Guinea pig T lymphocyte development analyzed by enzyme histochemistry, monoclonal antibodies and flow cytometry. *Lab. Invest.* 52:270-277.
38. H. P. Godfrey, C. V. Angadi, M. Haak-Frendscho, A. P. Kaplan. 1986. Concurrent production of macrophage agglutination factor and factor VII by antigen-stimulated human blood mononuclear cells. *Immunology* 57:77-84.
39. J. Jesty, H. P. Godfrey. 1986. PARLIN, a general microcomputer program for parallel-line analysis of bioassays. *Am. J. Clin. Pathol.* 85:485-489.
40. M. Seid, K. N. Leung, C. Pye, J. Phelan, A. A. Nash, H. P. Godfrey. 1987. Clonal analysis of the T-cell response of mice to Herpes simplex virus. Correlation between lymphokine production *in vitro* and the induction of delayed-type hypersensitivity and anti-viral activity *in vivo*. *Vir. Immunol.* 1:35-44.
41. H. P. Godfrey, U. Malorney, E. Michels, G. S. Habicht, A. Atlas, B. Randazzo, C. Sorg. 1987. Murine alpha-2-macroglobulin. Localization on a subpopulation of macrophages. *Immunobiology* 175:183-194.
42. H. P. Godfrey, L. S. Canfield, H. L. Kindler, C. V. Angadi, J. J. Tomasek, J. W. Goodman. 1988. Production of a fibronectin-associated lymphokine by cloned mouse T cells. *J. Immunol.* 141:1508-1515.
43. H. P. Godfrey, L. S. Canfield, M. Haak-Frendscho, J. Melancon-Kaplan, E. J. Brown, A. P. Kaplan. 1989. Relationship of human macrophage agglutination factor to other fibronectins. *Immunology* 67:321-327.

44. H. P. Godfrey, D. A. Frenz, L. S. Canfield, S. K. Akiyama, S. A. Newman. 1989. Non-chemotactic translocation of phagocytic cells mediated by a fibronectin-related human lymphokine. *J. Immunol.* 143:3691-3696.
45. H. P. Godfrey, L. S. Canfield, C. V. Angadi, L. M. Zagachin, G. G. Kielpinski, R. B. Colvin. 1990. Characterization of lymphokine fibronectin from guinea pig lymphoid cell culture supernatants. *Immunobiology* 180:109-123.
46. H. P. Godfrey. 1990. T cell fibronectin. An unexpected inflammatory lymphokine. *Lymphokine Res.* 9:435-447 (Review).
47. J. Donson, K. Mandy, Z.-H. Feng, S. Mandy, E. J. Brown, H. P. Godfrey. 1991. Role of monocyte fucose-receptors in T cell fibronectin activity. *Immunology* 74:473-477.
48. H. P. Godfrey, Z.-H. Feng, S. Mandy, K. Mandy, K. Huygen, J. De Bruyn, C. Abou-Zeid, H. G. Wiker, S. Nagai, H. Tasaka. 1992. Modulation of expression of delayed hypersensitivity by mycobacterial antigen 85 fibronectin-binding proteins. *Infect. Immun.* 60:2522-2528.
49. A. Drowart, J. De Bruyn, K. Huygen, G. Damiani, H. P. Godfrey, M. Stelandre, J.-C. Yernault, J.-P. Van Vooren. 1992. Isoelectrophoretic characterization of protein antigens present in mycobacterial culture filtrates and recognized by monoclonal antibodies directed against the *Mycobacterium bovis* BCG antigen 85 complex. *Scand. J. Immunol.* 36:697-702.
50. V. Lev-Ram, M. Valsamis, E. Masliah, S. Levine, H. P. Godfrey. 1993. A novel non-ataxic guinea pig strain with cerebrocortical and cerebellar abnormalities. *Brain Res.* 606:325-331.
51. H. P. Godfrey. 1993. T cell fibronectin, delayed hypersensitivity and human disease. In *Biology of Salmonella*, ed. by F.C. Cabello, C. Hormaeche. Plenum Press, New York. pp. 299-308.
52. H. P. Godfrey. 1993. T cell fibronectin and mycobacterial adversarial strategy. *Int. J. Clin. Lab. Res.* 23:121-123. (Editorial)
53. S. Mandy, Z. Feng, L. S. Canfield, K. Mandy, X. Quan, R. A. Rowehl, M. Y. Khan, S. K. Akiyama, H. P. Godfrey. 1994. Inhibition of expression of delayed hypersensitivity by neutralizing monoclonal anti-T cell fibronectin antibody. *Immunology* 83:582-588.
54. L. Aron, M. Alekshun, L. Perlee, I. Schwartz, H. P. Godfrey, F. C. Cabello. 1994. Cloning and DNA sequence of *bmpC*, a gene encoding a potential membrane lipoprotein of *Borrelia burgdorferi*. *FEMS Microbiol. Lett.* 123:75-82.
55. M. S. Connors, M. L. Schwartzman, X. Quan, E. Heilman, K. Chauhan, J. R. Falck, H. P. Godfrey. 1995. Enhancement of delayed hypersensitivity inflammatory reactions in guinea pig skin by 12(R)-hydroxy-5,8,14-eicosatrienoic acid. *J. Invest. Dermatol.* 104:47-51.

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56. K-T. Lin, A. Dudhane, H. P. Godfrey, P. Y-K. Wong. 1996. Identification and characterization of a high-affinity leukotriene B₄ receptor on guinea pig T lymphocytes and its regulation by lipoxin A₄. *J. Pharmacol. Exp. Ther.* 277:679-684.
57. Z.-H. Feng, H. P. Godfrey, S. Mandy, S. Strudwick, K-T. Lin, E. Heilman, P. Y-K. Wong. 1996. Leukotriene B₄ modulates *in vivo* expression of delayed hypersensitivity by a receptor-mediated mechanism: regulation by lipoxin A₄. *J. Pharmacol. Exp. Ther.* 278:950-956.
58. L. Aron, C. Toth, H. P. Godfrey, F. C. Cabello. 1996. Identification and mapping of a chromosomal gene cluster of *Borrelia burgdorferi* containing genes expressed *in vivo*. *FEMS Microbiol. Lett.* 145:309-314.
59. P. Y-K. Wong, K-T. Lin, H. P. Godfrey. 1997 LTB₄ receptor antagonists exacerbate T lymphocyte mediated delayed hypersensitivity in guinea pigs. *Adv. Exp. Med. Biol.* 400:247-251.
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