

CURRICULUM VITAE
Peter M. Henson, Ph.D.

Current Status

Senior Faculty Member, Department of Pediatrics
National Jewish Health

Professor of Medicine, Immunology, Pathology, and Pharmacology
University of Colorado Denver School of Medicine

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Education

- High School in Britain and Southern Rhodesia, (Zimbabwe)
- 1963 Bachelor of Veterinary Medicine and Surgery, BVM&S (DVM equivalent),
Edinburgh University, Edinburgh, Scotland. William Dick Medal for Best
Graduate
- 1964 First Class Honors, B.S. in Bacteriology, Edinburgh University, Edinburgh,
Scotland
- 1967 Ph.D., University of Cambridge, Cambridge, England
Thesis: "The Biological Activity of the Third Component of Complement"

Professional Record

- 1967 - 1969 Research Fellow
Department of Experimental Pathology
Scripps Clinic and Research Foundation
La Jolla, California
- 1969 - 1972 Associate, Department of Experimental Pathology
Scripps Clinic and Research Foundation
La Jolla, California
- 1972 - 1977 Associate Member
Department of Immunopathology
Scripps Clinic and Research Foundation
La Jolla, California
- 1977 - present Senior Faculty Member, Department of Pediatrics, Cell Biology Program
National Jewish Health
Denver, Colorado
- 1977 - present Professor, Department Immunology,
UCD School of Medicine
Denver, Colorado
- 1977 - 2011 Professor, Department of Pathology
University of Colorado Denver (UCD), School of Medicine
Denver, Colorado
- 1980 - present Professor, Department of Medicine
UCD School of Medicine
Denver, Colorado
- 1994 - present Professor, Department Pharmacology,

	UCD School of Medicine Denver, Colorado
1977 - 1980	Director of Research, Department of Pediatrics, National Jewish Center
1980 - 1982	Vice-Chairman, Department of Pediatrics, National Jewish Center
1981 - 1982	Associate Vice President for Professional Services, National Jewish Center
1982 - 1985	Vice President for Biomedical Services
1985 - 1992	Executive Vice President for Biomedical Affairs, National Jewish Center
1985 - 1997	Associate Dean for Hospital Affairs, National Jewish Center
1985 - 1987	Co-Head, Pulmonary & Critical Care Division, Department of Medicine, UC Denver School of Medicine
1992 - 1996	Executive Vice President for Academic Affairs, National Jewish Center
2009 – present	Associate director, Pulmonary & Critical Care training program UC Denver School of Medicine
2009 – 2012	Director, Interstitial Lung Disease program National Jewish Health and UC Denver School of Medicine

Awards and Honors

2011	Distinguished Professor, University of Colorado
2005	Burns Amberson Lecture, ATS Centenary Meeting
2003	Lifetime Faculty Achievement Award, Nat Jewish Center
2002	Honorary Doctorate of Medicine, University of Edinburgh
1992	American Association for the Advancement of Science Fellow
1991	Margaret A. Regan Professor of Pulmonary Inflammation
1983	Reticuloendothelial Society (SLB), Marie T. Bonazinga Award
1980	American Association of Pathologists, Parke Davis Award
1970 - 1975	NIH, Research Career Development Award
1969 - 1970	American Heart Association Established Investigatorship

Professional Organizations

Royal College of Veterinary Surgeons (M.R.C.V.S.)
 American Association of Pathology
 American Association of Immunologists
 American Society for Biochemistry and Molecular Biology
 American Thoracic Society
 American Society for Cell Biology
 American Academy of Allergy and Immunology
 Leukocyte Biology Society

Editorial Boards

American Journal of Pathology (1982-1988)
 American Review for Respiratory Disease (1980s)
 Pulmonary Pharmacology (1988-1992)
 Journal of Immunology (1990s)
 American Journal of Physiology: Cell Physiology (1996-2002)
 American Journal Respiratory Cell & Molecular Biology (2004-2009)

Study Section

Pathology A (1973-1979)
 American Heart Association Infection & Immunity (1992-1994)
 LCMI (2009 – 2012)

Publications

Refereed articles.

1. Henson PM. The biological activity of the third component of complement. Ph. D. Thesis. University of Cambridge, 1967.
2. Henson PM. Antibody responses to bacteria. The effect of immunoglobulin type of anti-bacterial antibody on immunocoagglutinin stimulation in rabbits and guinea pigs. *Immunology* 13:261, 1967.
3. Henson PM. Immunocoagglutinins of different immunoglobulin classes demonstrated by the antiglobulin reaction. *Immunology* 14:697, 1967.
4. Henson PM. The adherence of leukocytes and platelets induced by fixed IgG antibody or complement. *Immunology* 16:107, 1969.
5. Henson PM and Cochrane CG. Immunological induction of increased vascular permeability. I. A rabbit passive cutaneous anaphylactic reaction requiring complement, platelets and neutrophils. *J. Exp. Med.* 129:153, 1969.
6. Henson PM and Cochrane CG. Immunological induction of increased vascular permeability. II. Two mechanisms of histamine release from rabbit platelets involving complement. *J. Exp. Med.* 129:167, 1969.
7. Henson PM. Role of complement and leukocytes in immunologic release of vasoactive amines from platelets. *Fed. Proc.* 28:1721-1728, 1969.
8. Henson PM. Release of vasoactive amines from rabbit platelets induced by sensitized mononuclear leukocytes and antigen. *J. Exp. Med.* 131:287-306, 1970.
9. Henson PM. Release of vasoactive amines from rabbit platelets induced by antiplatelet antibody in the presence and absence of complement. *J. Immunol.* 104:924-934, 1970.
10. Henson PM. Mechanisms of release of constituents from rabbit platelets by antigen-antibody complexes and complement. I. Lytic and nonlytic reactions. *J. Immunol.* 105:476-489, 1970.
11. Henson PM. Mechanisms of release of constituents from rabbit platelets by antigen-antibody complexes and complement II. Interaction of platelets with neutrophils. *J. Immunol.* 105:490-501, 1970.
12. Henson PM and Cochrane CG. Cellular mediators of immunological tissue injury. *J. Reticuloendothelial Soc.* 8:124-138, 1970.
13. Henson PM and Cochrane CG. Acute immune complex disease in rabbits. The role of complement and of a leukocyte-dependent release of vasoactive amines from platelets. *J. Exp. Med.* 133:554-571, 1971.
14. Henson PM. Interaction of cells with immune complexes: Adherence, release of constituents, and tissue injury. *J. Exp. Med.* 134:114s-135s, 1971.
15. Henson PM and Benveniste J. Antibody-leukocyte-platelet interactions. In: *Second International Symposium on the Biochemistry of the Acute Allergic Reaction*, (KF Austen and EL Becker, eds.), Blackwell Scientific Pub. pp. 111 -126, 1971.
16. Henson PM. The immunologic release of constituents from neutrophil leukocytes. I. The role of antibody and complement on nonphagocytosable surfaces or phagocytosable particles. *J. Immunol.* 107:1535-1546, 1971.
17. Henson PM. The immunologic release of constituents from neutrophil leukocytes. II. Mechanisms of release during phagocytosis and adherence to nonphagocytosable surfaces. *J. Immunol.* 107:1547-1557, 1971.
18. DeShazo CV, McGrade MT, Henson PM and Cochrane CG. The effect of complement depletion on neutrophil migration in acute immunologic arthritis. *J. Immunol.* 108:1414-1419, 1972.

19. Henson PM, Johnson HB and Spiegelberg HL. The release of granule enzymes from human neutrophils stimulated by aggregated immunoglobulins of different classes and subclasses. *J. Immunol.* 109:1182-1192, 1972.
20. Benveniste J, Henson PM and Cochrane CG. A possible role for IgE in immune complex disease. In: *Biological Role of the Immunoglobulin E System, Proceedings of a Conference on the Biologic Role of the Immunoglobulin E System*, (K. Ishizaka and D.H. Dayton, Jr., eds.), Vero Beach, Florida, pp. 187-205, 1972.
21. DeShazo CV, Henson PM and Cochrane CG. Acute immunologic arthritis in rabbits. *J. Clin. Invest.* 51:50-57, 1972.
22. Benveniste J, Henson PM and Cochrane CG. Leukocyte-dependent histamine release from rabbit platelets: The role of IgE, basophils and a platelet activating factor. *J. Exp. Med.* 136:1356-1376, 1972.
23. Henson PM. Pathologic mechanisms in neutrophil-mediated injury. *Am. J. Pathol.* 68:593-606, 1972.
24. Henson PM and Oades ZG. Enhancement of immunologically induced granule exocytosis from neutrophils by cytochalasin B. *J. Immunol.* 110:290-293, 1973.
25. Henson PM. Mechanisms of release of granule enzyme from human neutrophils phagocytosing aggregated immunoglobulin. An electron microscopic study. *Arthritis and Rheum.* 16:208-216, 1973.
26. Henson PM and Spiegelberg HL. Release of serotonin from human platelets induced by aggregated immunoglobulins of different classes and subclasses. *J. Clin. Invest.* 52:1282-1288, 1973.
27. Henson PM. Complement-dependent platelet and polymorphonuclear leukocyte reactions. *Transplantation Proceedings* 6:27-31, 1974.
28. Morrison DC, Roser JF, Henson PM and Cochrane CG. Activation of rat mast cells by low molecular weight stimuli. *J. Immunol.* 112:573-582, 1974.
29. Ulevitch RJ, Henson PM, Holmes B and Good RA. An *in vitro* study of exocytosis of neutrophil granule enzymes in chronic granulomatous disease neutrophils. *J. Immunol.* 112(4):1383-1386, 1974.
30. Spiegelberg HL, Lawrence DA and Henson PM. Cytophilic properties of IgA to human neutrophils. *International Symposium on the Immunoglobulin A System*, Birmingham, Alabama (F. W. Kraus, ed), Plenum Publishing Co., New York, pp 67 - 74, 1974.
31. Becker EL, Henson PM, Showell H and Hsu L. The ability of chemotactic factors to induce lysosomal enzyme release. I. The characteristics of the release, the importance of surfaces and the relation of enzyme release to chemotactic responsiveness. *J. Immunol.* 112:2047-2054, 1974.
32. Henson PM. Mechanisms of mediator release from inflammatory cells. In: *Mediators of Inflammation*, (G. Weissman ed.), Plenum Publishing Co., New York, pp 9-50, 1975.
33. Morrison DC, Roser JF, Cochrane CG and Henson PM. The initiation of mast cell degranulation: Activation at the cell membrane. *J. Immunol.* 114:966-970, 1975.
34. Kravis TC and Henson PM. IgE-induced release of a platelet-activating factor from rabbit lung. *J. Immunol.* 115:1677-1681, 1975.
35. Morrison DC, Roser JF, Cochrane CG and Henson PM. Two distinct mechanisms for the initiation of mast cell degranulation. In: *International Arch. All. Appl. Immunol.* (R.R.A. Coombs, P. Kallos, R. Milgrom, eds) S.Karger Basel 49:172-178, 1975.
36. Henson PM, Henson JE and Becker EL. Ultrastructural alterations during ATP-induced secretion of lysosomal enzymes from rabbit polymorphonuclear leukocytes. *Inflammation* 1:85-91, 1975.

37. Becker EL and Henson PM. Biochemical characteristics of ATP-induced secretion of lysosomal enzymes from rabbit polymorphonuclear leukocytes. *Inflammation* 1:71-84, 1975.
38. Morrison DC, Roser JF, Cochrane CG and Henson PM. Isolation and characterization of a noncytotoxic mast-cell activator from cobra venom. *Inflammation* 1:103-115, 1975.
39. Henson PM and Cochrane CG. The effect of complement depletion on experimental tissue injury. *Ann. N.Y. Acad. of Sci.* 256:426-440, 1975.
40. Henson PM and Oades ZG. Stimulation of human neutrophils by soluble and insoluble immunoglobulin aggregates. Secretion of granule constituents and increased oxidation of glucose. *J. Clin. Invest.* 56:1053-1061, 1975.
41. Ulevitch RJ, Cochrane CG, Morrison DC and Henson PM. Mediation systems in bacterial lipopolysaccharide-induced hypotension and disseminated intravascular coagulation. I. The role of complement. *J. Exp. Med.* 142:1570-1590, 1975.
42. Henson PM. The use of fluorescent antibody to the third component of complement for the detection of complement bound in tissues. In: *Methods in Immunology and Immunochemistry*, Vol. 4, (C.A. Williams and M.W. Chase, eds.), Academic Press, New York, pp. 271-274, 1976.
43. Henson PM. Secretion of lysosomal enzymes induced by immune complexes and complement. In: *Lysosomes in Biology and Pathology*, Vol. 5 (J.T. Dingle and R.T. Dean, eds.), North-Holland Publishing Company, Amsterdam, pp. 99-126, 1976.
44. Henson PM. Membrane receptors on neutrophils. In: *Immunology of Receptors, Immunological Communication*, (B. Cinader, ed.) Marcel Dekker, Inc. 5(9):757-774, 1976.
45. Henson PM. Activation and desensitization of platelets by platelet activating factor (PAF) derived from IgE-sensitized basophils. I. Characteristics of the secretory response. *J. Exp. Med.* 143:937-952, 1976.
46. Henson PM and Oades ZG. Activation of platelets by platelet activating factor (PAF) derived from IgE-sensitized basophils. II. The role of serine proteases, cyclic nucleotides and contractile elements in PAF-induced secretion. *J. Exp. Med.* 143:953-961, 1976.
47. Henson PM, Gould D and Becker EL. Activation of stimulus-specific serine esterases (proteases) in the initiation of platelet secretion. I. Demonstration with organophosphorus inhibitors. *J. Exp. Med.* 144:1657-1673, 1976.
48. Henson PM and Landes RR. Activation of platelets by platelet activating factor (PAF) derived from IgE-sensitized basophils. IV. PAF does not activate platelet factor (PF3). *Brit. J. Haematol.* 34:269-281, 1976.
49. Henson PM. Activation of rabbit platelets by platelet-activating factor derived from IgE-sensitized basophils. Characteristics of the aggregation and its dissociation from secretion. *J. Clin. Invest.* 20:481-490, 1977.
50. Kravis TC and Henson PM. Accumulation of platelets at sites of antigen-antibody-mediated injury. A possible role for IgE antibody and mast cells. *J. Immunol.* 118:1569-1573, 1977.
51. Henson PM and Pinckard RN. Basophil derived platelet activating factor (PAF) as an *in vivo* mediator of acute allergic reactions. Demonstration of specific desensitization of platelets to PAF during IgE-induced anaphylaxis in the rabbit. *J. Immunol.* 119:2179-2184, 1977.
52. Pinckard RN, Halonen M, Palmer JD, Butler C, Shaw JO and Henson PM. Intravascular aggregation and pulmonary sequestration of platelets during IgE-induced systemic anaphylaxis in the rabbit. Abrogation of lethal anaphylactic shock by platelet depletion. *J. Immunol.* 119:2185-2193, 1977.
53. Henson PM and Pinckard RN. Platelet activating factor (PAF). A possible direct mediator of anaphylaxis in the rabbit and a trigger for the vascular deposition of circulating immune

- complexes. In: Monographs in Allergy, Vol. 12, (P. Kallos et al., eds.) S.Karger, Basel, pp. 13-26, 1977.
54. Ginsberg MH and Henson PM. Enhancement of platelet response to immune complexes and IgG aggregates by lipid A-rich bacterial lipopolysaccharides. *J. Exp. Med.* 147:207-218, 1978.
 55. Fernandez HN, Henson PM, Otani A and Hugli TE. Chemotactic response to human C3a and C5a anaphylatoxins. I. Evaluation of C3a and C5a leukotaxis *in vitro* and under simulated *in vivo* conditions. *J. Immunol.* 120:109-115, 1978.
 56. Doe WF and Henson PM. Macrophage stimulation by bacterial lipopolysaccharides. I. Cytolytic effect on tumor target cells. *J. Exp. Med.* 148:544-556, 1978.
 57. Doe WF, Yang ST, Morrison DC, Betz SJ and Henson PM. Macrophage stimulation by bacterial lipopolysaccharides. II. Evidence for independent differentiation signals delivered by lipid A and by a protein rich fraction of LPS. *J. Exp. Med.* 148:557-568, 1978.
 58. Morrison DC, Roser JF, Curry BJ, Henson PM and Ulevitch RJ. Two distinct mechanisms for the initiation of mast cell degranulation. I. A specific inhibition of amine release by serum proteins. *Inflammation* 3:7-25, 1978.
 59. Morrison DC, Kline LF, Oades ZG and Henson PM. Mechanisms of lipopolysaccharide-initiated rabbit platelet responses: Alternative complement pathway dependence of the lytic response. *Infect. & Immunity* 20:744-751, 1978.
 60. Shaw JO, Roberts MF, Ulevitch RJ, Henson PM and Dennis EA . Phospholipase A₂ contamination of cobra venom factor preparations: Biological role in complement dependent *in vivo* reactions and inactivation with p-bromophenacylbromide. *Am. J. Pathol.* 91:517-528, 1978.
 61. Henson PM, Zanolari B, Schwartzman NA and Hong SR. Intracellular control of human neutrophil secretion. I. C5a induced, stimulus-specific desensitization and the effects of cytochalasin B. *J. Immunol.* 121:851-855, 1978.
 62. Rouse BT, Babiuk LA and Henson PM. Neutrophils are mediators of antiviral immunity. *Experientia* 34:346-348, 1978.
 63. Webster RO and Henson PM. Rapid micromerement of neutrophil exocytosis. *Inflammation* 3:129-135, 1978.
 64. Shaw JO, Printz MP, Hirabayashi K and Henson PM. Role of prostaglandin synthesis in rabbit platelet activation induced by basophil derived platelet activating factor. *J. Immunol.* 121:1939-1945, 1978.
 65. O'Donnell MC, Henson PM and Fiedel BA. Activation of human platelets by platelet activating factor (PAF) derived from sensitized rabbit basophils. *Immunology.* 35:953-958, 1978.
 66. Musson RA and Henson PM. Humoral and formed elements of blood modulate the response of peripheral blood monocytes. I. Plasma and serum inhibit and platelets enhance monocyte adherence. *J. Immunol.* 122:2026-2031, 1979.
 67. Ginsberg MH, Henson PM, Henson JE and Kozin F. Mechanism of platelet response to monosodium urate crystals. *Am. J. Pathol.* 94:549-568, 1979.
 68. Orr W, Phan SH, Varani J, Ward PA, Kreutzer DL, Webster RO and Henson PM. Chemotactic factor for tumor cells derived from C5a fragment of complement component C5. *Proc. Natl. Acad. Sci. USA* 76:1986-1989, 1979.
 69. Lynch JM, Lotner GZ, Betz SJ and Henson PM. The release of a platelet-activating factor by stimulated rabbit neutrophils. *J. Immunol.* 123:1219-1226, 1979.

70. Henson PM, McCarthy K, Larsen GL, Webster RO, Giclas PC, Dreisin RB, King TE and Shaw JO. Complement fragments, pulmonary macrophages and alveolitis. *Am. J. Pathol.* 97:93-106, 1979.
71. Henson PM, Hollister JR, Musson RA, Webster O, Spears P, Henson JE and McCarthy KM. Inflammation as a surface phenomenon: Initiation of inflammatory processes by surface-bound immunologic components. *Adv. Inflamm. Res.* 1:341-352, 1979.
72. Doe WF and Henson PM. Macrophage stimulation by bacterial lipopolysaccharides. III. Selective unresponsiveness of C3H/HeJ macrophages to the lipid A differentiation signal. *J. Immunol.* 123:2304-2310, 1979.
73. Henson PM, Mackenzie CD and Spector WG. Inflammatory reactions in onchocerciasis: a report on current knowledge and recommendations for further study. *Bulletin of the World Health Organization.* 57:667-682, 1979.
74. McCarthy K and Henson PM. Induction of lysosomal enzyme secretion by alveolar macrophage in response to the purified complement fragments C5a and C5a des arg. *J. Immunol.* 123:2511-2517, 1979.
75. Henson PM. An overview of lipid mediators in the inflammatory process. *J Reticuloendothel Soc.* 28(Supl), 1980.
76. Bentwood BJ and Henson PM. The sequential release of granule constituents from human neutrophils. *J. Immunol.* 124:855-862, 1980.
77. Perez HD, Goldstein IM, Chernoff D, Webster RO and Henson PM. Chemotactic activity of C5a des Arg: Evidence of a requirement for an anionic peptide 'helper factor' and inhibition by a cationic protein in serum from patients with systemic lupus erythematosus. *Molec. Immunol.* 17:163-169, 1980.
78. Lotner GZ, Lynch JM, Betz SJ and Henson PM. Human neutrophil derived platelet activating factor. *J. Immunol.* 124:676-684, 1980.
79. Shaw JO and Henson PM. The binding of rabbit basophil-derived platelet activating factor to rabbit platelets. *Am. J. Pathol.* 98:791-810, 1980.
80. Rouse BT, Babiuk LA and Henson PM. Neutrophils in antiviral immunity. Inhibition of viral replication by a mediator produced by bovine neutrophils. *J. Infect. Dis.* 141:223-232, 1980.
81. Shaw JO, Henson PM, Henson JE and Webster RO. Lung inflammation induced by complement-derived chemotactic fragments in the alveolus. *Lab. Invest.* 42:547-558, 1980.
82. Webster RO, Hong SR, Johnston RB Jr and Henson PM. Biological effects of the human complement fragments C5a and C5a des arg on neutrophil function. *Immunopharmacology* 2:201-219, 1980.
83. Larsen GL, McCarthy K, Webster RO, Henson JE and Henson PM. A differential effect of C5a and C5a des arg in the induction of pulmonary inflammation. *Am. J. Pathol.* 100:179-192, 1980.
84. Chan-Yeung M, Giclas PC and Henson PM. Activation of complement by plicatic acid. The chemical compound responsible for asthma due to Western Red Cedar (*Thuja plicata*). *J. Allergy Clin. Immunol.* 65:333-337, 1980.
85. Musson RA, Shafran H and Henson PM. Intracellular levels of stimulated release of lysosomal enzymes from human peripheral blood monocytes and monocyte-derived macrophages. *J. Reticuloendothelial Soc.* 28:249-264, 1980.
86. Betz SJ, Lotner GZ and Henson PM. Generation and release of platelet activating factor (PAF) from enriched preparations of rabbit basophils; failure of human basophils to release PAF. *J. Immunol.* 125:2749-2755, 1980.

87. Betz SJ and Henson PM. Production and release of platelet activating factor (PAF); dissociation from degranulation and superoxide production in the human neutrophils. *J. Immunol.* 125:2756-2763, 1980.
88. Webster RO, Zanolari B and Henson PM. Neutrophil chemotaxis in response to surface-bound C5a. *Exp. Cell Res.* 129:55-62, 1980.
89. Newman SL, Musson RA and Henson PM. Development of functional complement receptors during *in vitro* maturation of human monocytes into macrophages. *J. Immunol.* 125:2236-2244, 1980.
90. Henson PM. Mechanisms of exocytosis in phagocytic inflammatory cells. *Am. J. Pathol.* 101:494-511, 1980.
91. Henson PM. Platelet-activating factor (PAF) as a mediator of neutrophil-platelet interactions in inflammation. *Agents Actions.* 11(6-7):545-547, 1981.
92. Giclas PC, Keeling PJ and Henson PM. Isolation and characterization of the third and fifth components of rabbit complement. *Molecular Immunology* 18:113-123, 1981.
93. Perez HD, Goldstein IM, Webster RO and Henson PM. Enhancement of the chemotactic activity of human C5a des arg by an anionic polypeptide ("cochemotaxin") in normal serum and plasma. *J. Immunol.* 126:800-804, 1981.
94. McPhail LC, Henson PM and Johnston Jr RB. Respiratory burst enzyme in human neutrophils. Evidence for multiple mechanisms of activation. *J. Clin. Invest.* 67:710-716, 1981.
95. Larsen GL, Mitchell B and Henson PM. The pulmonary response of C5-sufficient and deficient mice to immune complexes. *Am. Rev. Resp. Dis.* 123:434-439, 1981.
96. Daniele RP, Henson PM, Fantone JC III, Ward PA, and Dreisin RB. Immune complex injury of the lung. *Am. Rev. Respir. Dis.* 124(6): 738-755, 1981.
97. Smith TF, McIntosh K, Fishaut M and Henson PM. Activation of complement by cells infected with respiratory syncytial virus. *Infection & Immunity* 33:43-48, 1981.
98. Henson PM and Betz SJ. Neutrophil and platelet interactions in "allergic" and inflammatory reactions: A role for acetyl glyceryl ether phosphorylcholine (platelet-activating factor). In: *Biochemistry of Acute Allergic Reactions*, (KF Austen and EL Becker, eds.), Alan R. Liss, Inc, New York., pp. 51-66, 1981.
99. Harrington-Fowler LH, Henson PM and Wilder MS. Fate of *Listeria monocytogenes* in resident and activated macrophages. *Infection and Immunity*, 33:11-16, 1981.
100. Henson PM, Schwartzmann NA and Zanolari B. Intracellular control of human neutrophil secretion. II. Stimulus specificity of desensitization induced by six different soluble and particulate stimuli. *J. Immunol.* 127:754-759, 1981.
101. Henson PM, Larsen GL, Webster RO, Mitchell BC, Goins AJ and Henson JE. Pulmonary microvascular alterations and injury induced by complement fragments: Synergistic effect of complement activation, neutrophil sequestration, and prostaglandins. *Ann. N.Y. Acad. Sci.*, pp. 287-300, 1981.
102. Wiggins RC, Giclas PC and Henson PM. Chemotactic activity generated from the fifth component by plasma kallikrein of the rabbit. *J. Exp. Med.* 153:1391-1404, 1981.
103. Cotter TG, Spears P and Henson PM. A monoclonal antibody inhibiting human neutrophil chemotaxis and degranulation. *J. Immunol.* 127:1355-1360, 1981.
104. Henson PM. Neutrophil secretion: mechanism and consequences in inflammation: In: *The Inflammatory Process. An Introduction to the Study of Cellular and Humoral Mechanisms.* (P Venge and A Lönbom, eds.), Almquist and Wiksell International, Stockholm, Sweden. pp. 161-181, 1981.

105. Cotter TG, Keeling PJ and Henson PM. A monoclonal antibody inhibiting FMLP-induced chemotaxis of human neutrophils. *J. Immunol.* 127:2241-2245, 1981.
106. Keeling PJ and Henson PM. Lysosomal enzyme release from human monocytes in response to particulate stimuli. *J. Immunol.* 128:563-567, 1982.
107. Fowler AA, Walchak S, Giclas PC, Henson PM and Hyers TM. Characterization of antiproteinase activity in the adult respiratory distress syndrome. *Chest* 81:50S-51S, 1982.
108. McCarthy KM, Musson RA and Henson PM. Protein synthesis dependent and protein synthesis independent secretion of lysosomal hydrolases from rabbit and human macrophages. *J. Reticuloendothelial Soc.* 31:131-144, 1982.
109. Webster RO, Larsen GL, Mitchell BC, Goins AJ and Henson PM. Absence of inflammatory lung injury in rabbits challenged with intravascular complement-derived chemotactic factor. *Am. Rev. Resp. Dis.* 125:335-340, 1982.
110. Larsen GL, Mitchell BC, Harper TB and Henson PM. The pulmonary response of C5 sufficient and deficient mice to *Pseudomonas Aeruginosa*. *Am. Rev. Respir. Dis.* 126:306-311, 1982.
111. Shaw JO and Henson PM. Pulmonary intravascular sequestration of activated neutrophils. Failure to induce light-microscopic evidence of lung injury in rabbits. *Am. J. Pathol.* 108:17-23, 1982.
112. Newman SL, Henson JE and Henson PM. Phagocytosis of senescent neutrophils by human monocyte-derived macrophages and rabbit inflammatory macrophages. *J. Exp. Med.* 156:430-442, 1982.
113. Shampain MP, Behrens BL, Larsen GL and Henson PM. An animal model of late pulmonary responses to alternaria challenge. *Am. Rev. Resp. Dis.* 126:493-498, 1982.
114. Harper TB, Chase HP, Henson J and Henson PM. Essential fatty acid deficiency (EFAD) in the rabbit as a model of nutritional impairment in cystic fibrosis: *in vitro* and *in vivo* effects on lung defense mechanisms. *Am. Rev. Respir. Dis.* 126:540-547, 1982.
115. Voelkel NF, Worthen S, Reeves JT, Henson PM and RC Murphy. Nonimmunological production of leukotrienes induced by platelet-activating factor. *Science* 218:286-288, 1982.
116. Webster RO, Larsen GL and Henson PM. *in vivo* clearance and tissue distribution of human C5a and C5a des Arg complement fragments. *J. Clin. Invest.* 70:1177-1183, 1982.
117. Worthen GS, Goins AJ, Mitchell BC, Larsen GL, Reeves JR and Henson PM. Platelet-activating factor causes neutrophil accumulation and edema in rabbit lungs. *Chest* 83:13s, 1983.
118. Sandhaus RA, McCarthy KM, Musson RA and Henson PM. Elastolytic proteinases of the human macrophage. *Chest* 83(5 Suppl):60s-62s, 1983.
119. Cotter TG and PM Henson. A cell-surface differentiation antigen involved in human neutrophil chemotaxis and degranulation. *Clin. Exp. Immunol.* 53:249-253, 1983.
120. Scheid, CR, Webster RO, Henson PM, and Findlay SR. Direct effect of C5a on the contractile state of isolated smooth muscle cells. *J. Immunol.* 130:1997-1999, 1983.
121. Czuprynski CJ, Campbell PA and Henson PM. Killing of *Listeria monocytogenes* by human neutrophils and monocytes, but not by monocyte-derived macrophages. *J. Reticuloendothelial Soc.* 34:29, 1983.
122. Zlotnik A, Roberts WK, Vasil A, Blumenthal E, LaRosa, F, Leilson HJ, Endres RO, Graham SG, Jr, White J, Hill JC, Henson PM, Kelin JR, Bevar MJ, Marrack P and Kappler JW. Coordinate production by a T-cell hybridoma of gamma interferon and three other lymphokine activities. Multiple activities of a single lymphokine. *J. Immunol.* 131:794-800, 1983.

123. Sugita T, Wagner WW, Jr, Henson PM, Henson JE, Hyers TM and Reeves JT. Abnormal alveolar cells in monocrotaline induced pulmonary hypertension. *Exp. Lung Res.* 5:201-215, 1983.
124. May JJ, Katilus J, Henson PM, and Dreisen RB (). The purification and identification of circulating immune complexes in tuberculosis. *Am. Rev. Resp. Dis.* 128:920-925, 1983.
125. Worthen GS and Henson PM. Mechanisms of acute lung injury. *Clin. Lab. Med.* 3(4):601-617, 1983.
126. Henson PM. Platelet activating factor. In: *Textbook of Immunopharmacology.* (MM Dale and JC Foreman, eds.), Blackwell Scientific Pubs. Ltd., Oxford, England. pp. 187-195, 1984.
127. Czuprynski CJ, Campbell PA and Henson PM. Killing of *Listeria monocytogenes* by inflammatory neutrophils and mononuclear phagocytes from non-immune mice. *J. Leuk. Biol.* 35:193-208, 1984.
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