

CURRICULUM VITAE FOR ACADEMIC PROMOTION
The Johns Hopkins University School of Medicine

Robert G.- Hamilton

February 20, 2006

Robert G. Hamilton

DEMOGRAPHIC INFORMATION

Current Appointments (University)

Professor of Medicine and Pathology, Johns Hopkins University School of Medicine,
Baltimore, MD
Director, Johns Hopkins University Dermatology, Allergy and Clinical Immunology (DACI)
Reference Laboratory, Baltimore, MD

Personal Data:

Business Address: Room 1A20, Johns Hopkins Asthma and Allergy, Center, 5501 Hopkins
Bayview Circle, Baltimore, MD 21224, Tel: 410-550-2031, Fax: 410-550-2030, E-
mail: rhamilto@jhmi.edu

Education and Training:

Undergraduate

1969-72: University of Michigan, Ann Arbor, MI, B.S. Chemistry, Biology (1972)

Doctoral/Graduate

1972-73: University of Michigan, Ann Arbor, MI, M.S. Radiological Physics (1973)

1974: Brookhaven National Laboratory, Long Island, NY, Fellowship in reactor, linear
accelerator and medical physics

1975: National Naval Medical Center, Diplomate, Officer's Program in Nuclear
Medicine and Radioisotopes

1977-80: Johns Hopkins University, Baltimore, MD, Ph.D., Radiological Sciences and
Immunology (1980)

Postdoctoral

1980-81: Postdoctoral Fellowship, Dr. Rosalyn Yalow, Nobel Laureate, VA Medical
Center, Bronx, NY

Professional Experience:

1980-1981: Veterans Administration Medical Center, Bronx, NY, Department of
Radiological Physics for Nuclear Medicine, Diagnostic Radiology and
Therapeutic Radiology

1980-1981: Assistant Professor of Radiology, Albert Einstein College of Medicine, Bronx,
NY

1981-1985: Assistant Professor of Medicine, Medicine, Johns Hopkins University School
of Medicine, Baltimore, MD

1981-1985: Director, Dermatology-Allergy Clinical Immunology (DACI) Reference
Laboratory Johns Hopkins University School of Medicine

1985-1988: Assistant Professor of Medicine, Rheumatology, University of Texas School
of Medicine, Houston, TX

1985-1988: Assistant Professor of Biomedical Sciences, University of Texas, Graduate
School of Biomedical Sciences, Houston, TX

1988-1990: Senior Scientist (Anti-IgE Project Leader), Tanox Corporation, Houston, TX

- 1990-2000 Associate Professor of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD (Primary Appointment)
- 1998-2000 Associate Professor of Pathology, Johns Hopkins University School of Medicine, Baltimore, MD (Joint Appointment)
- 1990-Present: Director, Dermatology-Allergy Clinical Immunology (DACI) Reference Laboratory, Johns Hopkins University School of Medicine, Baltimore, MD
- 2000-Present Professor of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD (Primary Appointment)
- 2001-Present Professor of Pathology, Johns Hopkins University School of Medicine, Baltimore, MD (Joint Appointment)
- 2002-Present Scientist, Johns Hopkins Center in Urban Environmental Health, National Institute of Environmental Health Sciences, Johns Hopkins University School of Medicine, Baltimore, MD

RESEARCH ACTIVITIES

Publications:

I. Peer Reviewed Articles

1. **Hamilton RG**, PO Alderson, JF Harwig, BA Siegel. Splenic imaging with Tc-99m labeled erythrocytes: a comparative study of cell damaging methods *J Nucl Med* 17:1039-43, 1976.
2. **Hamilton RG**, PO Alderson, PA McIntyre. Technetium-99m phytate as a bone marrow imaging agent: biodistribution studies in animals. *J Nucl Med* 19:563-5, 1977.
3. **Hamilton RG**, PO Alderson. A comparative evaluation of techniques for rapid and efficient *in vivo* labeling of red blood cells with Tc-99m pertechnetate. *J Nucl Med* 18:1008-11, 1977.
4. Bradley WP, PO Alderson, WC Eckelman, **RG Hamilton**, JF Weiss. Decreased tumor uptake of Gallium-67 in animals after whole body irradiation. *J Nucl Med* 19:204-9, 1978.
5. **Hamilton RG**, RA Walker. Labeling of endotoxin lipopolysaccharide with technetium-99m pertechnetate. *Experimentia* 34(Suppl 5), 1978.
6. **Hamilton RG**, A Kagey-Sobotka, NF Adkinson Jr. Solid phase radioimmunoassay for quantitation of antigen-specific IgG using I-125 labeled Protein A from *Staphylococcus aureus*. *J Immunol* 122:1073-1079, 1979.
7. **Hamilton RG**, NF Adkinson Jr. Quantitation of antigen-specific IgG in human serum. I. Standardization by a *Staphococcal aureus* solid phase radioimmunoassay elution technique. *J Immunol* 124:2966-71, 1980.
8. **Hamilton RG**, M Rendell, NF Adkinson Jr. Serological analysis of human IgG and IgE anti-insulin antibodies using solid phase radioimmunoassays. *J Lab Clin Med* 96:1023-36, 1980.
9. **Hamilton RG**, TM Button. Protein iodination in the RIA laboratory: evaluation of commercial I-125 reagents and related biohazards. *J Immunoassay* 1:435-48, 1980
10. **Hamilton RG**, NF Adkinson Jr. Quantification of antigen-specific IgG in human serum. II. Comparison of radioimmunoprecipitation and solid phase RIA techniques for the measurement of IgG specific for a complex antigen mixture (yellow jacket venom). *J Allergy Clin Immunol* 67:14-21, 1981.
11. Verias R, **RG Hamilton**, MP Grissom RF Kiepffer, JF Vandergrift. Evaluation of Indium-111 colloid for radionuclide imaging of the abdominal lymph nodes. *Nucl Med Comm* 2:37-42, 1981.
12. **Hamilton RG**, R Hussain EA Ottesen, NF Adkinson Jr. The quantification of parasite-specific human immunoglobulins: comparison of RIA and ELISA methods. *J Immunol Meth* 44:101-14, 1981.
13. Rendell M, **RG Hamilton** HM Drew, NF Adkinson Jr. Exacerbation of diabetes mellitus by antibodies to exogenous insulin. *Am J Med Sci* 282:18-26, 1981.
14. Renie A, **RG Hamilton**, NF Adkinson Jr, MS Rendell. A case of hyper-labile diabetes accompanied by insulin resistance. *Clin Chem* 27:1463-64, 1981.

15. Hussain R, **RG Hamilton**, V Kumaraswami, NF Adkinson Jr, EA Ottesen. IgE responses in human filariasis. I. Quantification of filarial-specific IgE. *J Immunol* 127:1623-29, 1981.
16. Button TM, **RG Hamilton**. Activated charcoal filter counting for radioiodine effluent concentration determined in protein iodinations. *Health Physics* 43:853-9, 1982.
17. **Hamilton RG**, NF Adkinson Jr. Serum IgE antibodies by the radioallergosorbent test (RAST): diagnosis of IgE mediated diseases. *Immunopath* 6:1-9, 1982.
18. Gentlesk MJ, **RG Hamilton**, NF Adkinson Jr., HC Mansmann. Assessment of venom-specific IgG antibody in patients treated for Hymenoptera venom sensitivity. *Int Arch Allergy Appl Immunol* 71:233-40, 1983.
19. **Hamilton RG**, A Scott, R D'Antonio, DA Levy, NF Adkinson Jr. *Dirofilaria immitis*: Performance and standardization of specific antibody immunoassays for Filariasis. *Experimental Parasitol* 56:298-312, 1983.
20. **Hamilton RG**, R Hussain, E Alexander, NF Adkinson Jr. Limitations of the radioimmunoprecipitation polyethylene glycol assay (RIPEGA) for detection of filarial antigens in serum. *J Immunol Meth* 68:349-66, 1984.
21. **Hamilton RG**, A Scott. Immunoradiometric assay for quantitation of *Dirofilaria immitis* antigen in dogs with heartworm infections. *Am J Vet Res* 45:1-7, 1984.
22. Hussain R, **Hamilton RG**, EA Ottesen. Immunoradiometric assays detection of filarial antigens in human serum. *J Immunol* 133:2237-42, 1984.
23. Ditu M, JM Waud, **RG Hamilton**, HN Wagner Jr. Obtention automatisee des profils de precision des dosages radioimmunologiques de T4 a l'aide d'une calculatrice de poche de type HP-41CV. *Annal d'endocrinol (Paris)* 45:393-6, 1984.
24. **Hamilton RG**, NF Adkinson Jr. Hypersensitivity reactions in hemodialysis: Mechanisms of acute allergic reactions. *Artificial Organs* 8:311-7, 1984.
25. Reddy MVR, **RG Hamilton**, BC Harinath. Detection of filarial antigen in the urine of humans with *Wuchereria bancrofti* infection by immunoradiometric assay. *Indian J Exp Biol* 22:515-519, 1984.
26. **Hamilton RG**, NF Adkinson Jr. Naturally-occurring carbohydrate antibodies: Interference in solid phase immunoassays. *J Immunol Meth* 77:95-108, 1985.
27. **Hamilton RG**, M April, E Wagner, A Kagey-Sobotka, J Winkelstein, NF Adkinson Jr, E Bleeker. Diethylcarbamazine reactions in *Dirofilaria immitis* infected dogs: Relationship between physiology, antigen, antibody, complement, and vasoactive substances. *Experimental Parasitol* 61:405-20, 1986.
28. **Hamilton RG**, GR Mintz, MK Gelbard. Humoral immune response in Peyronie's disease patients receiving clostridial collagenase therapy. *J Urol* 135:641-7, 1986.
29. Paranjape RS, R Hussain, TB Nutman, **RG Hamilton**, EA Ottesen. Identification of circulating parasite antigen in patients with Bancroftian filariasis. *Clin exp Immunol* 63:508-16, 1986.
30. Parkhe KA, GBKS Prasad, A Das, BC Harinath, M Roebber, **RG Hamilton**. Disc/stick ELISA for diagnosis of Bancroftian filariasis. *Indian J Exp Biol* 24:437-9, 1986.
31. **Hamilton RG**, M Roebber, CB Reimer, SL Rodkey. Isoelectric focusing patterns of mouse monoclonal antibodies to the four human IgG subclasses. *Electrophoresis* 9:127-134, 1987.
32. Prasad GBK, BC Harinath, **RG Hamilton**. Analysis of paired serum, urine and filter paper blood specimens for the presence of filarial antigen by immunoradiometric assay. *J Immunoassay* 9:351-365, 1987.
33. **Hamilton RG**, M Roebber, CB Reimer, SL Rodkey. Quality control of murine monoclonal antibodies using isoelectric focusing immunoblot analysis. *Hybridoma* 6:204-217, 1987.
34. **Hamilton RG**. Human IgG subclass measurements in the clinical laboratory. *Clin Chem* 33:1070-5, 1987.
35. Jones CC, **RG Hamilton**, RE Jordon. Subclass distribution of human IgG autoantibodies in pemphigus. *J Clin Immunol* 8:43-9, 1988.
36. **Hamilton RG**, JB Harley, M Reichlin, M Roebber, MC Hockberg, WB Bias, FC Arnett. Two Ro(SSA-A) autoantibody responses in systemic lupus erythematosus:

- Correlation of HLA DR/DQ specificities with quantitative expression of Ro(SS-A) autoantibody. *Arth Rheum* 31:496-506, 1988.
37. **Hamilton RG**, H Baum, NF Adkinson Jr. Immunoassay characterization of human IgG subclass immune responses in patients receiving insulin therapy and ragweed immunotherapy. *J Clin Immunoassay* 11:24-30, 1988.
 38. **Hamilton RG**, RW Wilson, T Spillman, M Roebber. Monoclonal antibody-based immunoenzymetric assays for quantification of human IgG and its four subclasses. *J Immunoassay* 9:275-96, 1988.
 39. Arnett FC, **RG Hamilton**, M Roebber, JB Harley, M Reichlin. Increased frequency of Sm and nRNP autoantibodies in American Blacks compared to Whites with systemic lupus erythematosus. *J Rheumatol* 15:1773-6, 1988.
 40. Fasullo FJ Jr, HA Fritsche Jr, F Liu, **RG Hamilton**. IgG heavy chain subclass typing of myeloma paraprotein by isoelectric focusing (IEF) and immunoblot analysis. *Clin Chem* 35:364-8, 1989.
 41. **Hamilton RG**. Autoantibodies to immunoglobulins: Rheumatoid factor interference in immunological assays. *Monogr Allergy* 26:27-44, 1989.
 42. Arnett FC, **RG Hamilton**, JD Revelle, WB Bias, JB Harley, M Reichlin. Genetic studies of Ro(SS-A) and La(SS-B) autoantibodies detected by ELISA in families with systemic lupus erythematosus and primary Sjogren's syndrome. *Arth Rheum* 32:413-9, 1989.
 43. Musher DM, MJ Luchi, DA Watson, **RG Hamilton**, R Baughn. Pneumococcal polysaccharide vaccine in young adults and older bronchitics: Determination of IgG responses by ELISA and the effect of adsorption of serum with non-type specific cell wall polysaccharide. *J Infect Dis* 161:728-35, 1990.
 44. **Hamilton RG**. Engineered human antibodies as immunologic quality control reagents. *Ann Biol Clin* 48:473-7, 1990.
 45. Chang TW, FM Davis, NC Sun, CRY Sun, DW MacGlashan Jr, **RG Hamilton**. Monoclonal antibodies specific for human IgE producing B-cells: a potential therapeutic for IgE mediated allergic diseases. *Biotech* 9:122-126, 1990.
 46. **Hamilton RG**. Allergy testing. *Current Opin Immunol* 2: 558-64, 1990.
 47. Moulds JM, FC Arnett, CGG Giles, **RG Hamilton**. A novel immunoassay for the quantitation of human C4 gene products. *Complement Inflammation* 7:95-9, 1990.
 48. **Hamilton RG**. Application of engineered chimeric antibodies to the calibration of human antibody standards. *Ann Biol Clin.* 49:242-248, 1991.
 49. Keating MU, Kagey Sobotka A, **Hamilton RG**, Yunginger JW. Clinical and immunological follow-up of patients who discontinue venom immunotherapy. *J Allergy Clin Immunol* 88:339-48, 1991.
 50. Herrman DJ, **RG Hamilton**, T Barington CE Frash, G Arakere, O Makela, LA Mitchell, J Nael, GT Rijkers, B Zegers, B Danve, JI Ward, CS Brown. Quantitation of human IgG subclass antibodies to *Haemophilus influenzae* Type b capsular polysaccharide: Results of an international collaborative study using enzyme immunoassay methodology. *J Immunol Meth* 148:101-14, 1992.
 51. Lichtenstein LM, A Kagey-Sobotka, JM White, **RG Hamilton**. Anti-human IgG causes basophil histamine release by acting on IgG-IgE complexes bound to IgE receptors. *J Immunol* 148:3929-36, 1992.
 52. DiPiro JT, **RG Hamilton**, TR Howdieshell, NF Adkinson Jr., AR Mansberger Jr. Total IgE in plasma is elevated after traumatic injury and is associated with sepsis. *Ann Surgery* 215:460-6, 1992.
 53. Wilson ME, **RG Hamilton**. IgG subclass response of localized juvenile periodontitis subjects to *Actinobacillus actinomycetemcomitans* Y4 lipopolysaccharide. *Infection Immunity*60:1806-12, 1992.
 54. Golden DBK, ID Lawrence, **RG Hamilton**, A Kagey Sobotka, MD Valentine, LM Lichtenstein. Clinical correlation of the venom-specific IgG antibody level during maintenance venom immunotherapy. *J Allergy Clin Immunol* 90:386-93, 1992.
 55. DiPiro JT, **RG Hamilton**, JP Wei. Novel antibody drug products. *Am J. Surg* 164:77-84, 1992.
 56. **Hamilton RG**. MD Chapman, TAE Platts-Mills, NF Adkinson Jr. House dust aeroallergen measurements in clinical practice. A guide to allergen free home- and work- environments. *Immunol. Allergy Practice* 14:96-112, 1992.

57. **Hamilton RG**, SM Morrison. Epitope mapping of human IgG specific murine monoclonal antibodies with domain-switched, deleted and point-mutated chimeric antibodies. *J Immunol Meth* 158:107-22, 1993.
58. Batard T, B Basuyaux, P Lambin, C Bremard-Oury, **RG Hamilton**, B David, G Peltre. Isotypic analysis of grass pollen-specific immunoglobulins in human plasma. I. Specialization of certain classes and subclasses in the immune response. *Intern Arch Allergy Immunol* 10:68-73, 1993.
59. Koppers RC, IM Outschoorn, **RG Hamilton**, CL Burek, NR Rose. Quantitative measurement of human thyroglobulin-specific antibodies by use of a sensitive enzyme-linked immunoassay. *Clin Immunol Immunopath* 67:1-10, 1993.
60. **Hamilton RG**, JA Wisenauer, DB Golden, MD Valentine, NF Adkinson Jr. Selection of Hymenoptera venoms for immunotherapy based on patient's IgE antibody crossreactivity. *J Allergy Clin Immunol* 92:651-9, 1993.
61. Naclerio RM, NF Adkinson Jr., PS Creticos, FM Baroody, **RG Hamilton**, LM Lichtenstein, PS Norman. Intra-nasal steroids inhibit seasonal increases in ragweed specific IgE. *J Allergy Clin. Immunol* 92:717-21, 1993.
62. DiPiro, JT, NF Adkinson Jr., **RG Hamilton**. Facilitation of penicillin haptentation to serum proteins. *Antimicrobial Agents Chemotherapy* 37:1463-7, 1993.
63. Batard T., **RG Hamilton**, B David, G Peltre. Isotypic analysis of grass pollen-specific immunoglobulins in human plasma II. Quantification of the IgE, IgM IgA class and the IgG subclass antibodies. *Intern Arch Allergy Immunol* 102:279-287, 1993.
64. Dipiro JT, **RG Hamilton**, TR Howdieshell, NF Adkinson Jr., AR Mansberger Jr. Lipopolysaccharide-reactive immunoglobulin E is associated with lower mortality and organ failure in traumatically injured patients. *Clin Diag Immunol* 20:295-298, 1994.
65. Tomazic VJ, EL Shampaine, A Lamana, TJ Withrow, NF Adkinson Jr., **RG Hamilton**. Cornstarch powder on latex products is an allergen carrier. *J Allergy Clin Immunol* 93:751-758, 1994.
66. **Hamilton RG**, BL Charous, NF Adkinson Jr., JW Yunginger. Serological methods in the laboratory diagnosis of latex rubber allergy: Study of non-ammoniated, ammoniated and glove extracts as allergen reagents sources. *J Lab Clin Med* 123:594-604, 1994.
67. Charous BL, **RG Hamilton**, JW Yunginger. Occupational latex exposure: characteristics of contact and systemic reactions in 47 workers. *J Allergy Clin Immunol* 94:12-18, 1994.
68. Peebles S, M Liu, LM Lichtenstein, **RG Hamilton**. IgA, IgG and IgM quantification in bronchoalveolar lavage fluids from allergic rhinitics, allergic asthmatics and normal subjects by monoclonal antibody-based immunoenzymetric assays. *J. Immunol Meth.* 179:77-86, 1995.
69. Wilson ME, **RG Hamilton**. IgG2 antibodies promote neutrophil killing of *Actinobacillus actinomycetemcomitans*. *Infection Immunity* 63:1070-1075, 1995.
70. Kleine-Tebbe J, **RG Hamilton**, M. Roebber, LM Lichtenstein, SM MacDonald. Purification of immunoglobulin E (IgE) antibodies from sera of high IgE titers. *J. Immunol Meth.* 179:153-164, 1995.
71. Tomazic, VJ, TJ Withrow, **RG. Hamilton**. Characterization of allergen(s) in latex protein extracts. *J Allergy Clin Immunol* 96:635-642, 1995.
72. Wilson ME, **RG Hamilton**. IgG subclass response on juvenile periodontitis subjects to principal outer membrane proteins of *Actinobacillus actinomycetemcomitans*. *Infection Immunity* 63:1062-1069, 1995.
73. DiPiro JT, TR Howdieshell, JK Goddard, DB Callaway, **RG Hamilton**, AR Mansberger. Association of interleukin 4 plasma levels with traumatic injury and clinical course. *Arch Surg.* 130:1159-1163, 1995.
74. Sarpong SB, **RG Hamilton**, PA Eggleston, NF Adkinson Jr., Socioeconomic status and race as risk factors for cockroach allergen exposure and sensitization in asthmatic children. *J Allergy Clin Immunol* 97:1393-1401, 1996.
75. Nyhan DP, EL Shampaine, CA Hirshman, **RG Hamilton**, SM Frank, WA Baumgartner, NF Adkinson Jr. Single doses of intravenous protamine results in the

- formation of protamine specific IgE and IgG antibodies. *J Allergy Clin. Immunol* 97:991-7, 1996.
76. Kaczmarek R, BG Silverman, TP Gross, **RG Hamilton**, E Kessler, JT Arrowsmith-Lowe, RM Moore Jr. Prevalence of latex-specific IgE antibodies in hospital personnel. *Ann Allergy Asthma and Immunol.* 76:51-56, 1996.
 77. DiPiro JT, TR Howdieshell, **RG Hamilton**, NF Adkinson Jr, R Mansberger Jr. Increased plasma IgE in patients with sepsis after traumatic injury. *J Allergy Clin Immunol* 97:135-6, 1996.
 78. Ahmed F, MC Steinhoff, MC Rodriguez-Barrados, **RG Hamilton**, DM Musher, KE Nelson. Effect of human immunodeficiency virus Type 1 infection on the immunogenicity of glycoprotein conjugate pneumococcal vaccine: results from a randomized trial. *J Infect Dis* 173:83-90, 1996.
 79. Yeang HY, KF Cheong, E Sunderasan, S Hamzah, NP Chew, S Hamid, MJ Cardosa, **RG Hamilton**. The 14.6 kd rubber elongation factor (Hev b 1) and 24 kd (Hev b 3) rubber particle proteins are recognized by IgE from patients with spina bifida and latex allergy. *J Allergy Clin Immunol* 98:628-639, 1996.
 80. Madore DV, P Anderson, BD Baxter, GM Carlone, KM Edwards, **RG Hamilton**. Inter-laboratory study evaluating quantitation of antibodies to *Haemophilus influenzae* type b polysaccharide by ELISA. *Clin. Diag. Lab. Immun.* 3:84-88, 1996.
 81. Vaswani SK, **RG Hamilton**, MD Valentine, NF Adkinson Jr. Psyllium laxative induced anaphylaxis, asthma and rhinitis. *Allergy* 51:266-268, 1996.
 82. Mestecky J, **RG Hamilton**, CGM Magnusson, R Jefferis, JP Vaerman, M Goodall, GG de Lange, I Moro, P Aucouturier, J Radl, C Cambiaso, C Silvain, JL Preud'homme, K Kusama, GM Carlone, J Biewenga, K Kobayashi, CB Reimer. Evaluation of monoclonal antibodies with specificity for human IgA, IgA subclasses and allotypes and secretory component. Results of an IUIS/WHO collaborative study. *J. Immunol. Meth.* 193(2):103-148, 1996.
 83. Christiansen SC, SB Martin, NC Schleicher, JA Koziol, **RG Hamilton**, BL Zuraw. Exposure and sensitization to environmental allergen of predominantly Hispanic children with asthma in San Diego's inner city. *J. Allergy Clin. Immunol.* 98:288-94, 1996.
 84. **Hamilton RG**, NF Adkinson Jr. Natural rubber latex diagnostic skin testing reagents. Comparative performance of non-ammoniated latex, ammoniated latex and latex rubber glove extracts. *J. Allergy Clin Immunol.* 98:872-883, 1996.
 85. Siler DJ, K Cornish, **RG Hamilton**. Absence of cross-reactivity of IgE antibodies from *Hevea brasiliensis* latex allergic subjects with a new source of natural rubber latex from guayule (*Parthenium argentatum*). *J. Allergy Clin. Immunol.* 98:895-902, 1996.
 86. Adkinson NF. Jr. PA Eggleston, D Eney, EO Goldstein, KC Schuberth, JR Bacon, **RG Hamilton**, ME Weiss, H Arshad, CL Meinert, J Tonascia, B Wheeler. A controlled trial of immunotherapy for asthma in allergic children. *New England J. Med.* 36:324-331, 1997.
 87. MacGlashan DW, BS Bochner, DC Adelman, PM Jardiu, A Toias, J McKenzie-White, SA Sterbinsky, **RG Hamilton**, LM Lichtenstein. Down regulation of Fc-epsilon receptor I expression on human basophils during anti-IgE antibody therapy. *J. Immunol.* 158:1438-1445, 1997.
 88. **Hamilton RG**, PA Eggleston. Environmental allergen analyses. *Methods* 13:53-60, 1997.
 89. Baskar S, **RG Hamilton**, PS Norman, AA Ansari. Grass immunotherapy induces inhibition of allergen-specific human peripheral blood mononuclear cell proliferation. *Int. Arch. Allergy Immunol.* 112:184-90, 1997.
 90. **Hamilton RG**, NF Adkinson Jr. Validation of the latex glove provocation procedure in latex allergic subjects. *Ann. Allergy Asthma Immunol.* 79:266-72, 1997.
 91. Naclerio RM, NF Adkinson Jr, B Moylan, FM Baroody, D Proud, A Kagey-Sobotka, LM Lichtenstein, **RG Hamilton**. Nasal provocation with allergen induces a secondary serum IgE antibody response. *J Allergy Clin Immunol* 100:505-510, 1997.

92. Beck LA, S Dalke, KM Liferman, CA Bickle, **RG Hamilton**, RH Rosen, BS Bochner, RP Schleimer. Cutaneous injection of RANTES causes eosinophil recruitment; comparison of non-allergic and allergic human subjects. *J Immunol* 159:2962-72, 1997.
93. DiPiro JT, TR Howdieshell, **RG Hamilton**, AR Mansberger. Immunoglobulin E and eosinophil counts are increased after sepsis in trauma patients. *Crit. Care Med.* 26:465-469, 1998.
94. Peebles RS, MC Liu, NF Adkinson Jr., LM Lichtenstein, **RG Hamilton**. Ragweed specific antibodies in bronchoalveolar lavage fluids and serum before and after segmental lung challenge: IgE and IgA associated with eosinophil degranulation. *J Allergy Clin Immunol* 101:265-73, 1998.
95. **Hamilton, RG**. Impact of biologic variation on latex allergenicity. *J. Allergy Clin Immunol.* 101:145-6, 1998.
96. Arshad SH, **RG Hamilton**, NF Adkinson Jr. Repeated aeroallergen exposure to small doses of allergen in sensitized individuals - a model for chronic allergic asthma. *Amer. J. Respir. Crit. Care Med.* 157:1900-1906, 1998.
97. Ownby D, M Stratmeyer, B Zucker-Pinchoff, L Charous, **RG Hamilton**. Gloves off. Dust rises over powdered vs. powder-free gloves. *Mater Manag Health Care* 1998;7:32-4.
98. Brown RH, JA Schauble, **RG Hamilton**. Prevalence of latex allergy in occupationally exposed healthcare workers: Identification of sensitized but non-symptomatic latex allergic anesthesiologists. *Anesthesiology* 89:292-9, 1998.
99. **Hamilton RG**, NF Adkinson Jr. and Multi-Center Latex Task Force. Diagnosis of Natural Rubber Latex Allergy: Multi-Center Latex Skin Testing Efficacy Study. *J. Allergy Clin. Immunol* 102:482-490, 1998.
100. Lewis RD, PN Breysse, PSJ Lees, M Diener-West, **RG Hamilton**, P Eggleston. Factors that affect the retention of dust mite allergen on carpet. *Amer. Industrial Hyg. Assoc J.* 59:606-613, 1998.
101. Naclerio RM, D Proud, B Moylan, S Balcer, L Friedhoff, A Kagey-Sobotka, LM Lichtenstein, PS Creticos, **RG Hamilton**. A double blind study of the discontinuation of ragweed immunotherapy. *J. Allergy Clin. Immunol.* 100:293-300, 1998.
102. Wolf BL, **RG Hamilton**. Near fatal anaphylaxis after Hymenoptera venom immunotherapy. *J. Allergy Clin Immunol.* 102:527-528, 1998.
103. Greenberg RS, **RG Hamilton**, RH Brown. Differential latex allergy prevalence in anesthesiology subspecialties. *Anesthesiology* 90:1238, 1999.
104. Wood RA, W Phipatanakul, **RG Hamilton**, PA Eggleston. A comparison of prick skin tests, intradermal skin tests, and RASTs in the diagnosis of cat allergy. *J Allergy Clin Immunol* 103:773-9, 1999.
105. **Hamilton RG**, RE Biagini, EF Krieg. Diagnostic performance of FDA-cleared serological assays for natural rubber latex specific IgE antibody. *J Allergy Clin Immunol* 103:925-30, 1999.
106. Vaswani SK, BW Chang, EN Carey, **RG Hamilton**. Adult onset grape hypersensitivity causing life threatening anaphylaxis. *Ann. Allergy Asthma Immunol* 83:25-27, 1999.
107. Kurtz MK, **RG Hamilton**, NF Adkinson. Role and application of provocation in the diagnosis of occupational latex allergy. *Ann Allergy Asthma Immunol* 83:634-9, 1999.
108. Bollinger ME, **RG Hamilton**, RA Wood. Protamine Allergy as a complication of insulin hypersensitivity. *J. Allergy Clin. Immunol* 104:462-5, 1999.
109. Vaswani. SK, HA Sampson, BW Chang, **RG Hamilton**. Adult onset sensitization to casein following occupational exposure to aerosolized tryptone powder. *J. Allergy Clin. Immunol* 104:1108-9, 1999.
110. **Hamilton RG**, RH Brown: Impact of Personal Avoidance Practice on Healthcare Workers Sensitized to Natural Rubber Latex. *J. Allergy Clin. Immunol.* 105:839-41, 2000.
111. King CJ, W Borkowsky, N Mahidhara, ED Shapiro, RM Rutstein, NQ Tan, JJ Farley, WM Dankner, S Nachman, E Simoes, PM Flynn, J Clemens, A Kimura, **RG Hamilton**. Group specific antibody levels surrounding invasive pneumococcal

- illness in children infected with human immunodeficiency virus. *J. Infect. Dis* 181:1817-21, 2000.
112. Saini SS, AD Klion, SM Holland, **RG Hamilton**, BS Bochner, DW MacGlashan. The relationship between serum IgE and surface levels of FcεR on human leukocytes in various disease: Correlation of expression with FcεRI on basophils but not on monocytes or eosinophils. *J Allergy Clin Immunol.* 106:514-20, 2000.
 113. **Hamilton RG**, N Kelly, MS Gawryl, VT Rentko. Absence of immunopathology associated with repeated intravenous administration of bovine hemoglobin-based oxygen carrier in dogs. *Transfusion* 41:219-25, 2001.
 114. Costa GE, JD Johnson, **RG Hamilton**. Cross-reactivity studies of gutta-percha, gutta-balata and natural rubber latex (*Hevea brasiliensis*). *J. Endodontics* 27:584-7, 2001
 115. Huss K, NF Adkinson, P Eggleston, C Dawson, M Van Natta, **RG Hamilton**. House dust mite and cockroach exposure are strong risk factors for positive allergy skin tests in the Childhood Asthma Management Program. *J. Allergy Clin. Immunol* 107:48-54, 2001.
 116. Huss K, PL Naumann, PJ Mason, JP Nanda, KB Crissey, RW Huss, CM Smith, **RG Hamilton**. Asthma severity, atopic status, allergen exposure and quality of life in elderly persons. *Ann. Allergy Asthma Immunol.* 86:524-530, 2001.
 117. Peebles RS, **RG Hamilton**, LM Lichtenstein, M Schlosberg, MC Liu, D Proud, A Togias. Antigen specific IgE and IgA antibodies in bronchoalveolar lavage fluid are associated with stronger antigen-induced late phase reactions. *Clin. Exp. Allergy* 31:239-48, 2001.
 118. Peebles RS, EM Wagner, MC Liu, D Proud, **RG Hamilton**, A Togias. Allergen-induced changes in airways responsiveness are not related to changes in airways edema. *J Allergy Clin. Immunol.* 107:805-11, 2001.
 119. **Hamilton RG**, DBK Golden, A Kagey-Sobotka, LM Lichtenstein. Case report of venom immunotherapy for a patient with large local reactions. *Ann. Allergy Asthma Immunol* 2001;87:134-7.
 120. Golden DBK, A Kagey-Sobotka, PS Norman, **RG Hamilton**, LM Lichtenstein. Insect sting allergy with negative venom skin tests. *J. Allergy Clin. Immunol* 107:897-901, 2001.
 121. Kurtz KM, **RG Hamilton**, JA Schaefer, NF Adkinson Jr.. A hooded exposure chamber method for semiquantitative latex aeroallergen challenge. *J Allergy Clin Immunol.* 107:178-184, 2001.
 122. Primeau MN, NF Adkinson Jr., **RG Hamilton**. Natural rubber pharmaceutical vial closures release latex allergens. *J. Allergy Clinical Immunol* 107:958-62, 2001.
 123. Kurtz KM, **RG Hamilton**, JA Schaefer, MN Primeau, NF Adkinson Jr. Repeated latex aeroallergen challenge employing a hooded exposure chamber: Safety and reproducibility. *Allergy* 56:857-861, 2001.
 124. Biagini RE, EF Krieg, LE Pinkerton, **RG Hamilton**. Receiver operating characteristics analyses of Food and Drug Administration cleared serological assays for natural rubber latex specific immunoglobulin E antibody. *Clin. Diagn. Lab. Immunol.* 8:1145-9, 2001.
 125. Charous BL, C Blanco, S Tarlo, **RG Hamilton**, X Baur, D Beezhold, G Sussman, JW Yunginger. Natural rubber latex after 12 years: recommendations and perspectives. *J Allergy Clin Immunol* 109:31-4, 2002.
 126. Kublin JG, MH Lowitt, **RG Hamilton**, GA. deOliveira, EH Nardin, RS Nussenzweig, BJ Schmeckepeper, CL Diggs, BF Hall, SA Bodison, R Edelman. Delayed-type Hypersensitivity in volunteers immunized with a synthetic multi-antigen peptide vaccine (PfCS-MAP1NYU) against *Plasmodium falciparum* sporozoites. *Vaccine* 20:1853-61, 2002.
 127. Dryer AL, MJ Chandler, **RG Hamilton**: Dust mite allergen removal from feathers by commercial processing. *Ann Allergy Asthma Immunol* 88:576-577, 2002.
 128. Poulos LM, TJ O'Meara, **RG Hamilton**, HY Yeang, ER Tovey. Inhaled latex allergen. *J Allergy Clin. Immunol.* 109:701-6, 2002.
 129. Edelman R, SS Wasserman, JG Kubin, SA Bodison, EH Nardin, GA de Oliveria, S. Ansari, CL Diggs, OL Kashala, EJ Schmeckepeper, **RG Hamilton**. Immediate-type hypersensitivity and other adverse reactions in volunteers immunized with a

- synthetic multi-antigen-peptide vaccine (PfCS-MAP1NYU) against *Plasmodium falciparum* sporozoites. Vaccine 21:269-280, 2002.
130. Tachimoto H, M Kikuchi, SA Hudson, CA Bickel, **RG Hamilton**, BS Bochner. Eotaxin-2 alters eosinophil integrin function via mitogen activated protein kinases. Amer. J. Respir Cell Mol. Biol. 26:645-9 2002.
 131. **Hamilton RG**. Diagnosis of Hymenoptera venom sensitivity. Curr Opin Allergy Clin Immunol. 2:347-351, 2002.
 132. Bollinger ME, K Mudd, LA Keible, BL Hess, R Bascom, **RG Hamilton**. A hospital-based screening program for natural rubber latex allergy. Ann. Allergy Asthma Immunol 88;560-567, 2002.
 133. **Hamilton RG**. Diagnosis of natural rubber latex allergy. Methods 27:22-31, 2002.
 134. **Hamilton RG**, EL Peterson, DR Ownby: Clinical and laboratory based methods in the diagnosis of natural rubber latex allergy. J. Allergy Clin. Immunol. 110: S47-56, 2002.
 135. Yeang HY, Lau CH, Arif SAM, Loke YH, Chan JL, Hamzah S, **Hamilton RG**. Hev b 1, Hev b 2 and Hev b 3 content in natural rubber latex and powdered latex gloves. J Rubb Res 5:167-178, 2002.
 136. Amr S, MB Bollinger, M Meyers, **RG Hamilton**, SR Weiss, M Rossman, L Osborne, S Timmins, DS Kimes, ER Levine, C Blaisdell: Environmental allergens and asthma in urban elementary schools. Ann. Allergy Asthma Immunol 90:34-40, 2003.
 137. Bernstein DI, RE Biagini, R Karnani, **RG Hamilton**, K Murphy, C Bernstein, SAM Arif, B Berendts, HY Yeang. In vivo sensitization to purified Hevea brasiliensis proteins in health care workers sensitized to natural rubber latex. J. Allergy Clin Immunol. 111:610-616, 2003.
 138. Bernstein JA, Bernstein IL, Bucchini L, Goldman LR, **Hamilton RG**, Lehrer S, Rubin C, Sampson HA. Clinical and Laboratory investigation of food allergy for genetically modified foods. Environ Health Perspect. 111:1114-21, 2003.
 139. Brown RH, **RG Hamilton**, MA McAllister. How healthcare organizations can establish and conduct a program for a latex safe environment. Joint Commission Journal on Quality and Safety 29:113-123, 2003.
 140. Lackner TE, **RG Hamilton**, JJ Hill, C Davey, DRP Guay. Pneumococcal polysaccharide revaccination: IgG seroconversion, persistence and safety in frail, chronically ill elderly subjects. J. Amer. Geriatrics Soc. 51:240-245, 2003.
 141. Arif SA, **Hamilton RG**, Yusof F, Chew NP, Loke YH, Nimkar S, Beintema JJ, Yeang HY. Isolation and characterization of the early nodule specific protein homologue (Hev b 13) an allergenic lipolytic esterase from Hevea brasiliensis latex. J Biol Chem 279: 23933-23941, 2004.
 142. Bollinger MB, B Wolf, C Schwindt, **RG Hamilton**. Contamination of nebulizer equipment with cockroach allergen: there's a bug in the system!. Ann Allergy Clin Immunol. 92:475-477, 2004.
 143. Brown, RH, Taenkhum K, Buckley TJ, **Hamilton RG**. Different latex aeroallergen size distributions between powdered surgical and examination gloves. Significance for environmental avoidance in healthcare settings. J Allergy Clin Immunol 114:358-363, 2004.
 144. Golden DAK, A Kagey-Sobotka, PS Norman, **RG Hamilton**, LM Lichtenstein. Insect sting allergy in children: natural history with and without venom immunotherapy. N. Engl. J Med. 351: 668-674, 2004.
 145. Yeang HY, Arif SAM, Raulf-Heimsoth M, Loke YH, Sulong SH, Lau CH, **Hamilton RG**. Hev b 5 and Hev b 13 as allergen markers to estimate the allergenic potency of latex gloves. J Allergy Clin Immunol 114:593-8, 2004.
 146. Limb SL, Brown KC, Wood RA, Wise RA, Eggleston PA, Tonascia J, **Hamilton RG**, Adkinson NF. Adult asthma severity in individuals with a history of childhood asthma. J Allergy Clin. Immunol 115:61-66, 2005.
 147. Brown RH, **Hamilton RG**, Mintz M, Jedlicka AE, Scott AL, Kleberger SR. Genetic predisposition to latex allergy: role of interleukin 13 and interleukin 18. Anesthesiology 102:496-502, 2005.
 148. Konno S, Golden DB, Schroeder J, Hamilton RG, Lichtenstein LM, Huang SK. Increased expression of osteopontin is associated with long-term bee venom immunotherapy. J Allergy Clin Immunol 115:1063-1067, 2005.

149. Konno S, Golden DB, Schroeder J, **Hamilton RG**, Lichtenstein LM, Huang SK. Level of osteopontin is increased after bee venom immunotherapy. *J Allergy Clin Immunol* 115:1317-18, 2005.
150. **Hamilton RG**, Brown RH, Veltri MA, Feroli ER, Primeau MN, Schauble JF, Adkinson NF Jr. Administering pharmaceuticals to latex allergic patients from vials containing natural rubber closures. *Am J. Health System Pharmacy* 62:1822-1827, 2005.
151. Netski DM, Mosbrugger T, Depla E, Maeterns G, Ray SC, **Hamilton RG**, Roundtree S, Thomas DL, McKeating J, Cox A. Humoral immune response in acute HCV infection. *Clinical Infectious Diseases* 41:667-675, 2005.
152. **Hamilton RG**, Marcotte GV, Saini SS. Immunological methods for quantifying free and total serum IgE in asthma patients receiving Omalizumab (Xolair) therapy. *J Immunol Methods*. 303:81-91, 2005.
153. Pate AD, **Hamilton RG**, Ashley PJ, Zeldin DC, Halsey JF. Proficiency testing of allergen measurements in residential dust. *J Allergy Clin Immunol* 116:844-850, 2005.
154. Williams JV, Crowe JE, Enriquez R, Minton P, Peebles RS, **Hamilton RG**, Higgins S, Griffin M, Hartert TV. Human metapneumovirus infection plays an etiological role in acute asthma hospitalizations in adults. *J Infect Dis*. 192:1149-1153, 2005.
155. Golden DBK, Kagey-Sobotka A, **Hamilton RG**, Norman PS, Lichtenstein LM: Dialyzed venom improves diagnostic sensitivity of skin tests in yellow jacket allergic patients. *J Allergy Clin Immunol* (in press)
156. Bollinger ME, Butz A, Mudd K, **Hamilton RG**. Contamination of Nebulizers with environmental allergens. *Ann Allergy Clin Immunol*. 95:429-432, 2005.
157. Sunderasan E, Bahari A, Arif SAM, Zainal Z. **Hamilton RG**, Yeang HY. Molecular cloning and IgE reactivity of natural rubber latex lecithinase homologue, the major allergenic component of Hev b 4. *Clin Exp Allergy* 35:1490-5, 2005.
158. Arif SAM, **Hamilton RG**, Yeang HY. IgE antibody binding to the carbohydrate moiety of Hev b 13. *J Rubber Research* (in press).
159. Biagini RE, **Hamilton RG**. Latex specific IgE serology: Performance characteristics of the Immulite® 2000 3gAllergy™ compared with skin testing. *Ann Allergy Asthma Immunol*. (in press)
160. Creticos PS, Schroeder JT, Broide D, Balcer-Whaley SL, Khattignavong A, Li H, **Hamilton RG**, Seyfert V, Eiden JJ. Immunotherapy with an Amb a 1 immunostimulatory oligodeoxynucleotide conjugate: a new paradigm in the treatment of allergic disease. *Ann Allergy Asthma Immunol*. (submitted)
161. Creticos PS, Schroeder JT, Broide D, Balcer-Whaley SL, Khattignavong A, Li H, **Hamilton RG**, Seyfert V, Eiden JJ. Safety and tolerability of an Amb a 1 immunostimulatory oligodeoxynucleotide conjugate (AIC) administered by a quantitative intradermal procedure to adults allergic to ragweed. *Ann Allergy Asthma Immunol*. (submitted).
162. Yeang HY, **Hamilton RG**, Bernstein DI, Arif SAM, Chow KS, Loke YH, Raulf Heimsoth M, Wagner S, Breiteneder H, Biagini RE. Allergen Concentration in Natural Rubber Latex. *J Allergy Clin Immunol*. (submitted)
163. Golden DBK, Breisch NL. **Hamilton RG**, Guralnick MW, Greene A, Craid TJ, Kagey Sobotka A. Clinical and entomological factors influence the outcome of sting challenge studies. *J Allergy Clin. Immunol*. (in press).
164. **Hamilton RG**. Accuracy of FDA-cleared IgE antibody assays in the presence of anti-IgE (Omalizumab). *J Allergy Clin Immunol*. (in press).
165. **Hamilton RG**, Kickler T. Bovine hemoglobin (Glutamer-250 Hemapure) specific IgG antibody cross-reacts with human hemoglobin but does not lyse RBCs in vitro. *Transfusion* (submitted)
166. Lee MT, Parwani A, Humphrey R, **Hamilton RG**, Myers DI, Detrick B. Gamma heavy chain disease in a patient with diabetes and chronic renal insufficiency. *Arch Path Lab Med*. (submitted).

II. Review Articles

1. **Hamilton RG**, NF Adkinson Jr. Radioimmunoassay in the assessment of allergic disease. (Review) *J Clin Immunoassay* 2:5-10, 1979.
2. **Hamilton RG**, NF Adkinson Jr. Quantitation of allergen-specific IgE in serum using the radioallergosorbent test. (Review) *J Clin Immunoassay* 6:147-54, 1983.
3. **Hamilton RG**. Immunoassay quantitation of allergen-specific IgG "blocking antibody". (Review) *J Clin Immunoassay* 6:160-71, 1983.
4. **Hamilton RG**, DBK Golden. Allergen-specific IgG blocking antibodies. (Review) Analyte Series, *Clin. Chem. News*, 9:4-10, 1983.
5. Mayo M, L Confer, **RG Hamilton**. Use of precision profiles for comparison of manual microtiter plate readers. (Review) *J Clin Immunoassay* 7:212-3, 1984.
6. **Hamilton RG**. Application of personal computer integrated software to the immunoassay laboratory. (Review) *J Clin Immunoassay* 8:220-229, 1985.
7. **Hamilton RG**. Application of immunoassay methods in the serodiagnosis of human Filariasis. (Review) *Rev Infect Dis* 7:837-43, 1985.
8. **Hamilton RG**, NF Adkinson Jr. Serological methods for the assessment and management of IgE-mediated diseases. (Review) *Clin Immunol Newsletter* 7:1-4, 1986.
9. **Hamilton RG**, NF Adkinson Jr. Laboratory methods in the quantitation of Hymenoptera venom-specific IgE and IgG human antibodies. (Review) *Folia Allergol Immunol Clin* 33:31-52, 1986.
10. **Hamilton RG**. Monoclonal antibodies in the diagnosis and therapy of human diseases. (Review) *Ann Biol clin* 47:575-81, 1989.
11. **Hamilton, RG**. Human IgG subclass immunoassays. (Review) *CAP Today* 12:20-2, 1992.
12. **Hamilton RG**, NF Adkinson Jr. Clinical laboratory methods in allergic disease (Review). *Laboratory Management* 21:37-49, 1993.
13. **Hamilton RG**. Molecular Engineering: Applications to the Clinical Laboratory (Review). *Clin Chem* 39:1988-92, 1993. (Oak Ridge Conference Manuscript)
14. Fifield, R, **RG Hamilton**. Inter-laboratory "external" quality assessment programs for the diagnostic allergy laboratory (Review). *J Clin Immunoassay* 16:144, 1993.
15. **Hamilton RG**, NF Adkinson, Jr. Serological assays for antigens and antibodies (Review). *Immunology and Allergy Clinics* 14:351-369, 1994.
16. **Hamilton RG**, HA Homburger. Changes in quality assurance for diagnostic allergy laboratories (Review). *CAP Today*, April, 1994.
17. **Hamilton RG**. The Clinical Immunology Laboratory of the Future (Review). *Clin Chem* 40:2186-2192, 1994. (A.O. Beckman Conference Manuscript)
18. **Hamilton RG**. Diagnosis of natural rubber latex allergy (Review). *Clin Immun. Newslet.* 16:28-32, 1996.
19. **Hamilton RG**. Laboratory analyses in the diagnosis of human allergic disease (Review). *Methods* 13:25-32, 1997.
20. Vaswani SK, **Hamilton RG**. Humanized antibodies as potential therapeutic drugs (Review). *Ann. Allergy Asthma Immunol.* 81:105-119, 1998.
21. **Hamilton RG**, Kagey Sobotka A. *In vitro* diagnostic tests of IgE mediated diseases. (Review). *Clin. Allergy Immunol.* 15:89-110, 2000.
22. **Hamilton RG**, Adkinson NF Jr. Clinical Laboratory assessment of IgE-dependent hypersensitivity. (Review) *J Allergy Clinical Immunol* 111:687-701, 2003.
23. **Hamilton RG**. Diagnostic methods for insect sting allergy. (Review). *Current Opinion Allergy Clinical Immunology* 4:297-306, 2004.
24. **Hamilton RG**, Adkinson NF Jr. *In vitro* assays for IgE mediated sensitivities. (Review) *J Allergy Clin. Immunol.* 114: 213-225, 2004.
25. **Hamilton RG**. The science behind the discovery of IgE (invited, Allergy Archives). *J Allergy Clin. Immunol.* 115:648-652, 2005.
26. **Hamilton, RG**. Assessment of indoor allergen exposure. *Curr Allergy Asthm Rep* 5:394-401, 2005.

III. Editorials

1. Charous BL, DH Beezhold, WH Adler, **RG Hamilton**. Endotoxin: a role in latex allergy? (Invited Editorial). *Ann. Allergy Asthma Immunol.* 79:277-80, 1997.

2. **Hamilton RG.** Congressional Testimony on OSHA Technical Bulletin: "Potential for allergy to natural rubber latex gloves and other natural rubber products", Subcommittee on Oversight and Investigations, Committee on Education and the Workforce, Federal Register, March 22, 1999. (Invited Opinion/Editorial)
3. **Hamilton RG.** Responsibility for quality IgE antibody results rests ultimately with the referring physician. (Invited Editorial). *Ann Allergy Asthma Immunol.* 86:353-4, 2001.
4. **Hamilton RG.** Congressional Testimony on Environmental Sampling of Postal Facilities for Bioagents. Subcommittee, Federal Register, March 22, 2003. (Invited Opinion/ Editorial)

IV. Letters, Correspondence

1. **Hamilton R.G.** Pneumococcal antibody assay standardization (Letter to the Editor). *J. Allergy Clin. Immunol.* 99:270, 1997.

V. Book Chapters, Monographs

1. **Hamilton RG,** NF Adkinson Jr. Quantitative solid phase radioimmunoassay for allergen-specific IgG. In: *Frontiers in Nuclear Medicine*, ed. HN Wagner, Springer Verlag, New York, pp 299-307, 1980.
2. **Hamilton RG,** JA Waud. Radioimmunoassay and related methods: current status and future trends. In: *Nuclear Medicine Annual*, eds. LM Friedman, HS Weisman, Raven Press, NY 1982.
3. **Hamilton RG,** R Hussain, EA Ottesen, NF Adkinson Jr. Serological diagnosis of human filarial infections. In: *Progress in Perinatal Medicine*. Ed. A. Albertini, Excerpta Medica, Amsterdam, pp 1-7, 1983.
4. Adkinson NF Jr., **RG Hamilton.** Assays for human IgG antibodies in complex allergen systems. In: *Recent Developments in RAST and other Solid Phase Immunoassay Systems*. Ed. DW Kemeny, MH Lessof, Excerpta Medica, Netherlands pp 37-41, 1983.
5. Adkinson NF Jr., PS Creticos, PS Norman, MR Mardiney, GL Rosenberg, **RG Hamilton,** TE van Metre. Characteristics of human IgE antibody responses *in vivo*. In: *Monographs in Allergy*. ed. P Kallos, S Karger Publishers, Basel, vol 18, pp 69-74, 1983.
6. **Hamilton RG,** NF Adkinson Jr. Serological methods in the diagnosis and management of human allergic disease. In: *Critical Reviews in the Clinical Laboratory*. eds J Batsakis, J Savory, Vol 21, CRC Publications, Boca Raton FL, pp 1-15, 1984.
7. **Hamilton RG.** Radiotracer techniques in the immunodiagnosis of filariasis in man. In: *Immunodiagnosis of Parasitic Infections using Nuclear techniques*. TECDOC 339, International Atomic Energy Agency Proceedings, Vienna pp 75-90, 1985.
8. Watson R, **RG Hamilton,** TT Provost. Some pathophysiological considerations in systemic lupus erythematosus. In: *Pathogenesis of Skin Diseases*. eds. D Dobison, BH Thiers, Churchill Livingstone Inc. NY, pp 219-31, 1986.
9. **Hamilton, RG,** NF Adkinson Jr. Clinical laboratory methods for the assessment and management of human allergic disease. In: *Clinics in Laboratory Medicine*, ed. R Nakamura, WB Saunders Company, Philadelphia, Vol 6, pp 117-138, 1986.
10. **Hamilton RG.** Human IgG Subclasses. Monograph, Calbiochem Corporation, pp 1-76, 1987.
11. **Hamilton RG.** Production of immunoassay reagents. In: *Immunoassay: A practical Guide*, eds DW Chan, MT Perlstein. Chapter 2, Academic Press, Orlando, 1987.
12. **Hamilton RG.** Quantitative aspects of solid phase immunoassays. In: *Theoretical and technical aspects of ELISA and other solid phase assays*. eds. M Kemeny, SJ Challacombe, J Wiley and Sons, New York, pg 57-84, 1988.
13. **Hamilton RG,** L Sun, PT Beall. Production and quality control of monoclonal antibody reagents and drugs. In: *Monoclonal antibodies*. J Moulds and J Masouredis, eds. Chapter 4, American Association of Blood Banks, Washington DC, 1989.
14. **Hamilton RG.** Inter-laboratory quality control program for IgG subclass protein immunoassays in North America. In: *Protides of the Biological Fluids*, Pergamon Press, 1989.

15. **Hamilton RG.** Production and epitope location of monoclonal antibodies to the human IgG subclasses. In: *Molecular Aspects of Immunoglobulin Subclasses*. ed. F Shakib, Pergamon Press, Oxford, pp 79-91 (Chapter 5), 1990.
16. **Hamilton RG.** Immunoassay. In: *Health and Education Resources Manual*. American Association for Clinical Chemistry. Washington D.C., pp 187-95 (Chapter 24, 1991).
17. **Hamilton RG.** Antigen quantification: measurement of multivalent antigens by solid phase immunoassay. In: *Immunochemistry of Solid Phase Immunoassays*. ed. JE Butler, CRC Press, Boca Raton, Chapter 7, 1991.
18. Butler JE, **RG Hamilton.** Quantitation of specific antibodies: methods of expression, standards, solid phase considerations and specific applications. In: *Immunochemistry of Solid Phase Immunoassays*. ed. JE Butler, CRC Press, Boca Raton, Chapter 9, 1991.
19. **Hamilton RG.** N.F. Adkinson Jr. Measurement of total serum immunoglobulin E and allergen specific immunoglobulin E antibody. In: *Manual of Clinical Laboratory Immunology*. ed. HR Rose, EC de Macario, JL Fahey, H Friedman, GM Penn. American Society for Microbiology, Washington D.C., pp 689-701, 1992.
20. **Hamilton RG.** N.F. Adkinson Jr. Measurement of total serum immunoglobulin G antibody. In: *Manual of Clinical Laboratory Immunology*. ed. HR Rose, EC de Macario, JL Fahey, H Friedman, GM Penn. American Society for Microbiology, Washington D.C., pp 702-708, 1992.
21. **Hamilton RG.** Clinical laboratory assessment of the bronchial asthma patient. In: *Bronchial Asthma: Principles of Diagnosis and Treatment*. ed ME Gershwin, Humana Press, NJ, Chapter 10, 1993.
22. **Hamilton RG.** NF Adkinson Jr. Assessment of human allergic diseases. In. *Clinical Immunology: Principles and Practices*, ed. RR Rich, Mosby, St. Louis, Chapter 145, pp 2169-86, 1996.
23. Matsson P, **Hamilton RG**, et al.: Evaluation methods and analytical performance characteristics of immunological assays for human IgE antibody of defined allergen specificities: Guideline, National Committee on Clinical Laboratory Standards 1/LA20-A, 1997.
24. **Hamilton RG.** Immunological tests for the diagnosis and management of human allergic disease: Total and allergen-specific IgE and allergen specific IgG. In: *Manual of Clinical Laboratory Immunology*. ed. HR Rose, EC de Macario, JL Fahey, H Friedman, GM Penn. American Society for Microbiology, Washington D.C., pp 881, Chapter 109, 1997.
25. **Hamilton RG.** Quality assurance and standardization in the diagnostic allergy laboratory. In: *Quality Assurance and Standardization in Clinical Diagnostic Immunology*. eds RM Nakamura, CL Burek, L Cook, JD Folds, JL Sever, Blackwell Science, Inc. Cambridge, MA, Chapter 30, 1997.
26. **Hamilton RG.** Human immunoglobulins. In: *Handbook of Human Immunology*. MS Leffell, N. Rose Eds., CRC Press, Boca Raton, Chapter 3, 1998.
27. **Hamilton RG**, Sobotka AK. *In vitro* Diagnostic Tests of IgE-Mediated Reactions. In. *Diagnostic Testing of Allergic Disease*, eds. S.F. Kemp and R.F Lockey, Marcel Dekker, NY pg 89-110, 2000.
28. **Hamilton RG.** Natural Rubber Latex Allergy: Primer for the Pharmacist. In. *Encyclopedia of Pharmaceutical Technology*, eds. J Swarbick, J Boylan, Arlington, TX, 1999, Vol 19, pg 279-287.
29. **Hamilton RG.** Assessment of human allergic diseases. In. *Clinical Immunology*. RR Rich, TA Fleisher, WT Shearer, HW Schroeder, B Kotzin. 2nd edition Mosby, Harcourt Health Sciences, London chapter 124, 2001.
30. **Hamilton RG.** Methods in the Diagnostic Immunology Laboratory. In. *Middleton's Allergy: Principles and Practice*. Adkinson NF Jr., Yunginger JW, Busse WW, Bochner BS, Holgate ST, Simons FER eds. 6th edition, Mosby St. Louis, 2003.
31. **Hamilton RG.** Diagnosis and Treatment of Allergic Disease: Laboratory (In vitro Analyses). In. *Pediatric Allergy: Principles and Practice*. Leung DYM, Sampson H, Geha R, Szfler S. Harcourt Health Sciences, London 2003.
32. **Hamilton RG.** Allergen specific human IgE antibody based analyses. In. *Detection of Allergenic Residues in Food*. Koppelman S. Hefle S., Woodhead Publishing Ltd. London, 2004.

33. **Hamilton RG**, Saini SS, Anaphylaxis, In: Disorders of the Immune System, Gottesman S, Strober W, eds, Wiley Publications, Boston, 2004.
34. **Hamilton RG**. Immunological Methods in the Diagnostic Allergy Laboratory. In: *Manual of Molecular and Clinical Laboratory Immunology*. ed. Detrick B, Folds J, Hamilton RG. American Society for Microbiology, Washington D.C., 7th Edition, Chapter XX, pp XX, 2005.
35. Lochman I, Lochmanova A, **Hamilton RG**, Stadler BM. Human IgE Specific Autoantibodies and Autoantibodies to IgE Receptors. (Ref), 2006.

VI. Books, Textbooks

1. Manual of Clinical Laboratory Immunology: Editors: Rose NR, Detrick B, **Hamilton RG**, American Association for Microbiology, Washington DC, 6th Ed, publication date 3-2002.
2. Manual of Molecular and Clinical Laboratory Immunology: Editors: Detrick B, Folds J **Hamilton RG**, American Association for Microbiology, Washington DC, 7th Ed, publication date 2006.

VII. Thesis and media (films videos, CDROMs, Slide Sets)

1. **Hamilton R.G.** Radioimmunoassay of human IgG and IgE antibodies, dissertation: Johns Hopkins University, Baltimore, MD, 1980.
2. American College of Allergy, Asthma and Immunology (slide set). Perspectives in Latex Allergy for Health Care Workers. Charous BL, Bardana EJ, Kelly K, Ownby D, Sussman G, Taylor JS, **Hamilton RG; 1994.**