

8 Literaturverzeichnis

1. Schramm B, Ehlken B, Smala A, Quednau K, Berger K, Nowak D. Cost of illness of atopic asthma and seasonal allergic rhinitis in Germany: 1-yr retrospective study. *Eur Respir J* 2003; 21 (1):116-22.
2. Statistisches-Bundesamt. Todesursachenstatistik 2003 Deutschland. Bonn: Statistisches Bundesamt Zweigstelle Bonn.
3. Skadhauge LR, Christensen K, Kyvik KO, Sigsbaard T. Genetic and environmental influence on asthma: a population-based study of 11,688 Danish twin pairs. *Eur Respir J* 1999; 13 (1):8-14.
4. A genome-wide search for asthma susceptibility loci in ethnically diverse populations. The Collaborative Study on the Genetics of Asthma (CSGA). *Nat Genet* 1997; 15 (4):389-92.
5. Ober C, Cox NJ, Abney M et al. Genome-wide search for asthma susceptibility loci in a founder population. The Collaborative Study on the Genetics of Asthma. *Hum Mol Genet* 1998; 7 (9):1393-8.
6. Yokouchi Y, Nukaga Y, Shibasaki M et al. Significant evidence for linkage of mite-sensitive childhood asthma to chromosome 5q31-q33 near the interleukin 12 B locus by a genome-wide search in Japanese families. *Genomics* 2000; 66 (2):152-60.
7. Holberg CJ, Halonen M, Solomon S et al. Factor analysis of asthma and atopy traits shows 2 major components, one of which is linked to markers on chromosome 5q. *J Allergy Clin Immunol* 2001; 108 (5):772-80.
8. Postma DS, Bleeker ER, Amelung PJ et al. Genetic susceptibility to asthma-bronchial hyperresponsiveness coinherited with a major gene for atopy. *N Engl J Med* 1995; 333 (14):894-900.
9. Liu X, Nickel R, Beyer K et al. An IL13 coding region variant is associated with a high total serum IgE level and atopic dermatitis in the German multicenter atopy study (MAS-90). *J Allergy Clin Immunol* 2000; 106 (1 Pt 1):167-70.
10. Graves PE, Siroux V, Guerra S, Klimecki WT, Martinez FD. Association of atopy and eczema with polymorphisms in T-cell immunoglobulin domain and mucin domain-IL-2-inducible T-cell kinase gene cluster in chromosome 5 q 33. *J Allergy Clin Immunol* 2005; 116 (3):650-6.
11. Gao PS, Mathias RA, Plunkett B et al. Genetic variants of the T-cell immunoglobulin mucin 1 but not the T-cell immunoglobulin mucin 3 gene are associated with asthma in an African American population. *J Allergy Clin Immunol* 2005; 115 (5):982-8.
12. Chae SC, Song JH, Lee YC, Kim JW, Chung HT. The association of the exon 4 variations of Tim-1 gene with allergic diseases in a Korean population. *Biochem Biophys Res Commun* 2003; 312 (2):346-50.
13. Immervoll T, Loesgen S, Dutsch G et al. Fine mapping and single nucleotide polymorphism association results of candidate genes for asthma and related phenotypes. *Hum Mutat* 2001; 18 (4):327-36.
14. Howard TD, Whittaker PA, Zaiman AL et al. Identification and association of polymorphisms in the interleukin-13 gene with asthma and atopy in a Dutch population. *Am J Respir Cell Mol Biol* 2001; 25 (3):377-84.

15. Chae SC, Park YR, Shim SC, Yoon KS, Chung HT. The polymorphisms of Th1 cell surface gene Tim-3 are associated in a Korean population with rheumatoid arthritis. *Immunol Lett* 2004; 95 (1):91-5.
16. Chae SC, Song JH, Heo JC, Lee YC, Kim JW, Chung HT. Molecular variations in the promoter and coding regions of human Tim-1 gene and their association in Koreans with asthma. *Hum Immunol* 2003; 64 (12):1177-82.
17. Chae SC, Song JH, Pounambath P et al. Molecular variations in Th1-specific cell surface gene Tim-3. *Exp Mol Med* 2004; 36 (3):274-8.
18. Kuchroo VK, Umetsu DT, DeKruyff RH, Freeman GJ. The TIM gene family: emerging roles in immunity and disease. *Nat Rev Immunol* 2003; 3 (6):454-62.
19. McIntire JJ, Umetsu SE, Akbari O et al. Identification of Tapr (an airway hyperreactivity regulatory locus) and the linked Tim gene family. *Nat Immunol* 2001; 2 (12):1109-16.
20. Tantisira KG, Lake S, Silverman ES et al. Corticosteroid pharmacogenetics: association of sequence variants in CRHR1 with improved lung function in asthmatics treated with inhaled corticosteroids. *Hum Mol Genet* 2004; 13 (13):1353-9.
21. Pirquet Fv. Klinische Studien über Vakzination und vakzinale Allergie. *Muenchener medizinische Wochenschrift* 1906; 53:1457-8.
22. Cohen SG. Pioneers and milestones. Clemens von Pirquet, MD (1874-1929). *J Allergy Clin Immunol* 2002; 109 (4):722-4.
23. Silverstein AM. Clemens Freiherr von Pirquet: explaining immune complex disease in 1906. *Nat Immunol* 2000; 1 (6):453-5.
24. Charles A. Janeway PT, Mark Walport, Mark Shlomchik. Immunologie. 5. Auflage ed: Spektrum Akademischer Verlag 2002; 2002.
25. Ring J. [1st description of an "atopic family anamnesis" in the Julio-Claudian imperial house: Augustus, Claudius, Britannicus]. *Hautarzt* 1985; 36 (8):470-1.
26. Wahn U. What drives the allergic march? *Allergy* 2000; 55 (7):591-9.
27. Gore C, Custovic A. Can we prevent allergy? *Allergy* 2004; 59 (2):151-61.
28. Iikura Y, Naspritz CK, Mikawa H et al. Prevention of asthma by ketotifen in infants with atopic dermatitis. *Ann Allergy* 1992; 68 (3):233-6.
29. Diepgen TL. Long-term treatment with cetirizine of infants with atopic dermatitis: a multi-country, double-blind, randomized, placebo-controlled trial (the ETAC trial) over 18 months. *Pediatr Allergy Immunol* 2002; 13 (4):278-86.
30. Warner JO. A double-blinded, randomized, placebo-controlled trial of cetirizine in preventing the onset of asthma in children with atopic dermatitis: 18 months' treatment and 18 months' posttreatment follow-up. *J Allergy Clin Immunol* 2001; 108 (6):929-37.
31. Wills-Karp M, Santeliz J, Karp CL. The germless theory of allergic disease: revisiting the hygiene hypothesis. *Nat Rev Immunol* 2001; 1 (1):69-75.
32. Yang WC, Ghiotto M, Castellano R et al. Role of Tec kinase in nuclear factor of activated T cells signaling. *Int Immunol* 2000; 12 (11):1547-52.
33. Vihtinen M, Mattsson PT, Smith CI. Bruton tyrosine kinase (BTK) in X-linked agammaglobulinemia (XLA). *Front Biosci* 2000; 5:D917-28.
34. Schwartzberg PL, Finkelstein LD, Readinger JA. TEC-family kinases: regulators of T-helper-cell differentiation. *Nat Rev Immunol* 2005; 5 (4):284-95.

35. Meyers JH, Sabatos CA, Chakravarti S, Kuchroo VK. The TIM gene family regulates autoimmune and allergic diseases. *Trends Mol Med* 2005; 11 (8):362-9.
36. Feigelstock D, Thompson P, Mattoo P, Zhang Y, Kaplan GG. The human homolog of HAVcr-1 codes for a hepatitis A virus cellular receptor. *J Virol* 1998; 72 (8):6621-8.
37. Matricardi PM, Rosmini F, Ferrigno L et al. Cross sectional retrospective study of prevalence of atopy among Italian military students with antibodies against hepatitis A virus. *Bmj* 1997; 314 (7086):999-1003.
38. Matricardi PM, Rosmini F, Panetta V, Ferrigno L, Bonini S. Hay fever and asthma in relation to markers of infection in the United States. *J Allergy Clin Immunol* 2002; 110 (3):381-7.
39. McIntire JJ, Umetsu DT, DeKruyff RH. TIM-1, a novel allergy and asthma susceptibility gene. *Springer Semin Immunopathol* 2004; 25 (3-4):335-48.
40. McIntire JJ, Umetsu SE, Macaubas C et al. Immunology: hepatitis A virus link to atopic disease. *Nature* 2003; 425 (6958):576.
41. Umetsu DT, McIntire JJ, DeKruyff RH. TIM-1, hepatitis A virus and the hygiene theory of atopy: association of TIM-1 with atopy. *J Pediatr Gastroenterol Nutr* 2005; 40 Suppl 1:S43.
42. Sanchez-Fueyo A, Tian J, Picarella D et al. Tim-3 inhibits T helper type 1-mediated auto- and alloimmune responses and promotes immunological tolerance. *Nat Immunol* 2003; 4 (11):1093-101.
43. Lack G, Renz H, Saloga J et al. Nebulized but not parenteral IFN-gamma decreases IgE production and normalizes airways function in a murine model of allergen sensitization. *J Immunol* 1994; 152 (5):2546-54.
44. Hofstra CL, Van Ark I, Hofman G, Kool M, Nijkamp FP, Van Oosterhout AJ. Prevention of Th2-like cell responses by coadministration of IL-12 and IL-18 is associated with inhibition of antigen-induced airway hyperresponsiveness, eosinophilia, and serum IgE levels. *J Immunol* 1998; 161 (9):5054-60.
45. Sabatos CA, Chakravarti S, Cha E et al. Interaction of Tim-3 and Tim-3 ligand regulates T helper type 1 responses and induction of peripheral tolerance. *Nat Immunol* 2003; 4 (11):1102-10.
46. Haaksma EE, Leurs R, Timmerman H. Histamine receptors: subclasses and specific ligands. *Pharmacol Ther* 1990; 47 (1):73-104.
47. Howarth PH. Histamine and asthma: an appraisal based on specific H1-receptor antagonism. *Clin Exp Allergy* 1990; 20 Suppl 2:31-41.
48. Knight DA, Stewart GA, Thompson PJ. Histamine tachyphylaxis in human airway smooth muscle. The role of H2-receptors and the bronchial epithelium. *Am Rev Respir Dis* 1992; 146 (1):137-40.
49. Ichinose M, Belvisi MG, Barnes PJ. Histamine H3-receptors inhibit neurogenic microvascular leakage in airways. *J Appl Physiol* 1990; 68 (1):21-5.
50. Panula P, Airaksinen MS, Pirvola U, Kotilainen E. A histamine-containing neuronal system in human brain. *Neuroscience* 1990; 34 (1):127-32.
51. Horton JR, Sawada K, Nishibori M, Zhang X, Cheng X. Two polymorphic forms of human histamine methyltransferase: structural, thermal, and kinetic comparisons. *Structure* 2001; 9 (9):837-49.

52. Okinaga S, Ohru T, Nakazawa H et al. The role of HMT (histamine N-methyltransferase) in airways: a review. *Methods Find Exp Clin Pharmacol* 1995; 17 Suppl C:16-20.
53. Bachert C. Histamine--a major role in allergy? *Clin Exp Allergy* 1998; 28 Suppl 6:15-9.
54. Banu Y, Watanabe T. Augmentation of antigen receptor-mediated responses by histamine H1 receptor signaling. *J Exp Med* 1999; 189 (4):673-82.
55. White MV, Slater JE, Kaliner MA. Histamine and asthma. *Am Rev Respir Dis* 1987; 135 (5):1165-76.
56. Coca AF CR. On the classification of the phenomena of hypersensitiveness. *J Immunol* 1923; 8:163.
57. Cooke RA vdVA. Human sensitization. *J Immunol* 1916; 1:201-5.
58. Hopp RJ, Bewtra AK, Watt GD, Nair NM, Townley RG. Genetic analysis of allergic disease in twins. *J Allergy Clin Immunol* 1984; 73 (2):265-70.
59. Lander ES, Schork NJ. Genetic dissection of complex traits. *Science* 1994; 265 (5181):2037-48.
60. Marsh DG, Neely JD, Breazeale DR et al. Linkage analysis of IL4 and other chromosome 5q31.1 markers and total serum immunoglobulin E concentrations. *Science* 1994; 264 (5162):1152-6.
61. Marsh DG, Neely JD, Breazeale DR et al. Total serum IgE levels and chromosome 5q. *Clin Exp Allergy* 1995; 25 Suppl 2:79-83; discussion 95-6.
62. Meyers DA, Postma DS, Panhuysen CI et al. Evidence for a locus regulating total serum IgE levels mapping to chromosome 5. *Genomics* 1994; 23 (2):464-70.
63. Noguchi E, Shibasaki M, Arinami T et al. Evidence for linkage between asthma/atopy in childhood and chromosome 5q31-q33 in a Japanese population. *Am J Respir Crit Care Med* 1997; 156 (5):1390-3.
64. Walley AJ, Chavanas S, Moffatt MF et al. Gene polymorphism in Netherton and common atopic disease. *Nat Genet* 2001; 29 (2):175-8.
65. Simpson A, John SL, Jury F et al. Endotoxin Exposure, CD14, and Allergic Disease: An Interaction between Genes and the Environment. *Am J Respir Crit Care Med* 2006; 174 (4):386-92.
66. Sengler C, Haider A, Sommerfeld C et al. Evaluation of the CD14 C-159 T polymorphism in the German Multicenter Allergy Study cohort. *Clin Exp Allergy* 2003; 33 (2):166-9.
67. Baldini M, Lohman IC, Halonen M, Erickson RP, Holt PG, Martinez FD. A Polymorphism* in the 5' flanking region of the CD14 gene is associated with circulating soluble CD14 levels and with total serum immunoglobulin E. *Am J Respir Cell Mol Biol* 1999; 20 (5):976-83.
68. Gibson S, Leung B, Squire JA et al. Identification, cloning, and characterization of a novel human T-cell-specific tyrosine kinase located at the hematopoietin complex on chromosome 5q. *Blood* 1993; 82 (5):1561-72.
69. Fowell DJ, Shinkai K, Liao XC et al. Impaired NFATc translocation and failure of Th2 development in Itk-deficient CD4+ T cells. *Immunity* 1999; 11 (4):399-409.
70. Yamauchi K, Sekizawa K, Suzuki H et al. Structure and function of human histamine N-methyltransferase: critical enzyme in histamine metabolism in airway. *Am J Physiol* 1994; 267 (3 Pt 1):L342-9.

71. Preuss CV, Wood TC, Szumlanski CL et al. Human histamine N-methyltransferase pharmacogenetics: common genetic polymorphisms that alter activity. *Mol Pharmacol* 1998; 53 (4):708-17.
72. Yan L, Galinsky RE, Bernstein JA, Liggett SB, Weinshilboum RM. Histamine N-methyltransferase pharmacogenetics: association of a common functional polymorphism with asthma. *Pharmacogenetics* 2000; 10 (3):261-6.
73. Deindl P, Peri-Jerkan S, Deichmann K et al. No association of histamine- N-methyltransferase polymorphism with asthma or bronchial hyperresponsiveness in two German pediatric populations. *Pediatr Allergy Immunol* 2005; 16 (1):40-2.
74. Le Coniat M, Traiffort E, Ruat M, Arrang JM, Berger R. Chromosomal localization of the human histamine H1-receptor gene. *Hum Genet* 1994; 94 (2):186-8.
75. Lee YA, Wahn U, Kehrt R et al. A major susceptibility locus for atopic dermatitis maps to chromosome 3q21. *Nat Genet* 2000; 26 (4):470-3.
76. Sasaki Y, Ihara K, Ahmed S et al. Lack of association between atopic asthma and polymorphisms of the histamine H1 receptor, histamine H2 receptor, and histamine N-methyltransferase genes. *Immunogenetics* 2000; 51 (3):238-40.
77. Jutel M, Klunker S, Akdis M et al. Histamine upregulates Th1 and downregulates Th2 responses due to different patterns of surface histamine 1 and 2 receptor expression. *Int Arch Allergy Immunol* 2001; 124 (1-3):190-2.
78. Jutel M, Watanabe T, Klunker S et al. Histamine regulates T-cell and antibody responses by differential expression of H1 and H2 receptors. *Nature* 2001; 413 (6854):420-5.
79. Kalow W. The distribution, destruction and elimination of muscle relaxants. *Anesthesiology* 1959; 20 (4):505-18.
80. Kalow W, Gunn DR. Some statistical data on atypical cholinesterase of human serum. *Ann Hum Genet* 1959; 23:239-50.
81. Drysdale CM, McGraw DW, Stack CB et al. Complex promoter and coding region beta 2-adrenergic receptor haplotypes alter receptor expression and predict in vivo responsiveness. *Proc Natl Acad Sci U S A* 2000; 97 (19):10483-8.
82. Asano K, Shiomi T, Hasegawa N et al. Leukotriene C4 synthase gene A(-444)C polymorphism and clinical response to a CYS-LT(1) antagonist, pranlukast, in Japanese patients with moderate asthma. *Pharmacogenetics* 2002; 12 (7):565-70.
83. Novak NB, Thomas. Pathophysiologie der atopischen Dermatitis: Neue Erkenntnisse und der Nutzen für die Praxis. *Deutsches Ärzteblatt* 2004; 3 (101):A-108 B-94 C-92.
84. Diepgen TL, Sauerbrei W, Fartasch M. Development and validation of diagnostic scores for atopic dermatitis incorporating criteria of data quality and practical usefulness. *J Clin Epidemiol* 1996; 49 (9):1031-8.
85. Johansson SG, Hourihane JO, Bousquet J et al. A revised nomenclature for allergy. An EAACI position statement from the EAACI nomenclature task force. *Allergy* 2001; 56 (9):813-24.
86. Hanifin JM RG. Diagnostic features of atopic dermatitis. *Acta Derm Venerol* 1980; 92:44.
87. Schafer T, Vieluf D, Behrendt H, Kramer U, Ring J. Atopic eczema and other manifestations of atopy: results of a study in East and West Germany. *Allergy* 1996; 51 (8):532-9.

88. Schafer T, Kramer U, Dockery D, Vieluf D, Behrendt H, Ring J. What makes a child allergic? Analysis of risk factors for allergic sensitization in preschool children from East and West Germany. *Allergy Asthma Proc* 1999; 20 (1):23-7.
89. Aberg N. Familial occurrence of atopic disease: genetic versus environmental factors. *Clin Exp Allergy* 1993; 23 (10):829-34.
90. Severity scoring of atopic dermatitis: the SCORAD index. Consensus Report of the European Task Force on Atopic Dermatitis. *Dermatology* 1993; 186 (1):23-31.
91. Wood R. Pediatric asthma. *JAMA* 2002;745-7.
92. Skoner DP. Allergic rhinitis: definition, epidemiology, pathophysiology, detection, and diagnosis. *J Allergy Clin Immunol* 2001; 108 (1 Suppl):S2-8.
93. Meltzer EO. The prevalence and medical and economic impact of allergic rhinitis in the United States. *J Allergy Clin Immunol* 1997; 99 (6 Pt 2):S805-28.
94. Wright AL, Holberg CJ, Martinez FD, Halonen M, Morgan W, Taussig LM. Epidemiology of physician-diagnosed allergic rhinitis in childhood. *Pediatrics* 1994; 94 (6 Pt 1):895-901.
95. Rimpela AH, Savonius B, Rimpela MK, Haahtela T. Asthma and allergic rhinitis among Finnish adolescents in 1977-1991. *Scand J Soc Med* 1995; 23 (1):60-5.
96. Bousquet J, Van Cauwenberge P, Khaltaev N. Allergic rhinitis and its impact on asthma. *J Allergy Clin Immunol* 2001; 108 (5 Suppl):S147-334.
97. Shimizu T, Nishihira J, Watanabe H, Abe R, Ishibashi T, Shimizu H. Cetirizine, an H1-receptor antagonist, suppresses the expression of macrophage migration inhibitory factor: its potential anti-inflammatory action. *Clin Exp Allergy* 2004; 34 (1):103-9.
98. Bergmann RL, Edenharter G, Bergmann KE et al. Atopic dermatitis in early infancy predicts allergic airway disease at 5 years. *Clin Exp Allergy* 1998; 28 (8):965-70.
99. Saiki RK, Scharf S, Faloona F et al. Enzymatic amplification of beta-globin genomic sequences and restriction site analysis for diagnosis of sickle cell anemia. *Science* 1985; 230 (4732):1350-4.
100. Bierbaum S, Nickel R, Zitnik S et al. Confirmation of association of IL-15 with pediatric asthma and comparison of different controls. *Allergy* 2006; 61 (5):576-80.
101. Graves PE, Kabesch M, Halonen M et al. A cluster of seven tightly linked polymorphisms in the IL-13 gene is associated with total serum IgE levels in three populations of white children. *J Allergy Clin Immunol* 2000; 105 (3):506-13.
102. Kanner SB, Perez-Villar JJ. Altering T-cell activation by targeting the multidomain tyrosine kinase Itk. *Trends Immunol* 2003; 24 (5):249-53.
103. Encinas JA, Janssen EM, Weiner DB et al. Anti-T-cell Ig and mucin domain-containing protein 1 antibody decreases TH2 airway inflammation in a mouse model of asthma. *J Allergy Clin Immunol* 2005; 116 (6):1343-9.
104. Shek LP, Tay AH, Chew FT, Goh DL, Lee BW. Genetic susceptibility to asthma and atopy among Chinese in Singapore--linkage to markers on chromosome 5q31-33. *Allergy* 2001; 56 (8):749-53.
105. Noguchi E, Nakayama J, Kamioka M, Ichikawa K, Shibusaki M, Arinami T. Insertion/deletion coding polymorphisms in hHAVcr-1 are not associated with atopic asthma in the Japanese population. *Genes Immun* 2003; 4 (2):170-3.

106. Wills-Karp M, Belkaid Y, Karp CL. I-Tim-ing the pathways of counter-regulation. *Nat Immunol* 2003; 4 (11):1050-2.
107. Monney L, Sabatos CA, Gaglia JL et al. Th1-specific cell surface protein Tim-3 regulates macrophage activation and severity of an autoimmune disease. *Nature* 2002; 415 (6871):536-41.
108. Chae SC, Park YR, Lee YC, Lee JH, Chung HT. The association of TIM-3 gene polymorphism with atopic disease in Korean population. *Hum Immunol* 2004; 65 (12):1427-31.
109. Standards for the diagnosis and care of patients with chronic obstructive pulmonary disease (COPD) and asthma. This official statement of the American Thoracic Society was adopted by the ATS Board of Directors, November 1986. *Am Rev Respir Dis* 1987; 136 (1):225-44.
110. Hoffjan S, Nicolae D, Ostrovnaya I et al. Gene-environment interaction effects on the development of immune responses in the 1st year of life. *Am J Hum Genet* 2005; 76 (4):696-704.
111. Sengler C, Lau S, Wahn U, Nickel R. Interactions between genes and environmental factors in asthma and atopy: new developments. *Respir Res* 2002; 3:7.
112. Zambelli-Weiner A, Ehrlich E, Stockton ML et al. Evaluation of the CD14/-260 polymorphism and house dust endotoxin exposure in the Barbados Asthma Genetics Study. *J Allergy Clin Immunol* 2005; 115 (6):1203-9.
113. Eder W, Klimecki W, Yu L et al. Opposite effects of CD 14/-260 on serum IgE levels in children raised in different environments. *J Allergy Clin Immunol* 2005; 116 (3):601-7.
114. Mueller C, August A. Attenuation of immunological symptoms of allergic asthma in mice lacking the tyrosine kinase ITK. *J Immunol* 2003; 170 (10):5056-63.
115. Wong WS. Inhibitors of the tyrosine kinase signaling cascade for asthma. *Curr Opin Pharmacol* 2005; 5 (3):264-71.
116. Wong WS, Leong KP. Tyrosine kinase inhibitors: a new approach for asthma. *Biochim Biophys Acta* 2004; 1697 (1-2):53-69.
117. Matsumoto Y, Oshida T, Obayashi I et al. Identification of highly expressed genes in peripheral blood T cells from patients with atopic dermatitis. *Int Arch Allergy Immunol* 2002; 129 (4):327-40.
118. Eder W, Klimecki W, Yu L et al. Toll-like receptor 2 as a major gene for asthma in children of European farmers. *J Allergy Clin Immunol* 2004; 113 (3):482-8.
119. Eder W, Klimecki W, Yu L et al. Association between exposure to farming, allergies and genetic variation in CARD4/NOD1. *Allergy* 2006; 61 (9):1117-24.
120. Ege MJ, Bieli C, Frei R et al. Prenatal farm exposure is related to the expression of receptors of the innate immunity and to atopic sensitization in school-age children. *J Allergy Clin Immunol* 2006; 117 (4):817-23.
121. Ober C, Hoffjan S. Asthma genetics 2006: the long and winding road to gene discovery. *Genes Immun* 2006; 7 (2):95-100.
122. Kabesch M, Schedel M, Carr D et al. IL-4/IL-13 pathway genetics strongly influence serum IgE levels and childhood asthma. *J Allergy Clin Immunol* 2006; 117 (2):269-74.