

CURRICULUM VITAE

John M. Kelso, M.D.

Division of Allergy, Asthma and Immunology
Scripps Clinic
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- Undergraduate Education: University of California at Irvine,
1975-1979 B.S. Degree (cum laude), Biology
- Medical Education: St. Louis University School of Medicine
St. Louis, Missouri, 1979-1983 M.D. Degree
- Residency Education: Naval Hospital, San Diego, California
Pediatric Residency, 1983-1986 Chief
Resident 1986
- Fellowship Education: Mayo Graduate School of Medicine, Rochester, Minnesota
Allergy/Immunology Fellowship, 1988-1990
- Academic Appointments: Clinical Professor of Pediatrics and Internal Medicine
University of California, San Diego
School of Medicine, 1993 to date
- Associate Clinical Professor of Health Care Sciences
George Washington University, 1993 to 1996
- Assistant Training Program Director for Resident Research
Department of Internal Medicine
Naval Medical Center, San Diego, California, 1996 to 1999
- Associate Professor of Medicine and Pediatrics
Uniformed Services University of the Health Sciences
F. Edward Hébert School of Medicine, 2001 to 2006
- Instructor in Pediatrics
Mayo Medical School, Rochester, Minnesota, 1989-1990
- Employment Experience: Research Associate, Pathology Department

University of California at Irvine, 1979

Head, Department of Pediatrics
Naval Hospital, 29 Palms, California, 1986-1988

Assistant Head, Allergy Division
Naval Medical Center, San Diego, California, 1990-1997

Head, Clinical Investigation Department
Naval Medical Center, San Diego CA 1999 to 2002

Head, Allergy Division
Naval Medical Center, San Diego CA 1997 to 2005

Staff Physician, Division of Allergy, Asthma and Immunology
Children's Hospital, San Diego CA 2005 to 2006

Staff Physician, Division of Allergy, Asthma and Immunology
Scripps Clinic, San Diego CA 2005 to date

Board Certification:

National Board of Medical Examiners
#284663, 7-2-84
American Board of Pediatrics
#35476, 4-26-87
American Board of Allergy and Immunology
#3331, 10-8-91, Recertified 8-9-99, 11-26-13

Licensure:

California #G54197, 1-14-85

Military Service:

Captain, Medical Corps, United States Navy, 1979 to 2005

Operations Desert Shield/Storm 9/90-4/91

Navy Specialty Leader for Allergy & Immunology, 2000 to 2005

Organizations:

American Academy of Pediatrics, Fellow
American College of Allergy, Asthma and Immunology, Fellow
American Academy of Allergy, Asthma and Immunology, Fellow
San Diego Allergy Society

Offices/Committees:

American College of Allergy and Immunology
Board of Regents (Fellow-in-Training Representative) 1988-90
San Diego Allergy Society,
Program Chairman 1995-97, Vice President 1997-99,
President 1999-2001
Association of Uniformed Services Allergists and Immunologists,
Secretary 1997-98, Vice President 1998-99, President 1999-2000
American Academy of Pediatrics, Section on Allergy Executive
Committee, 1999 to 2005
American Board of Allergy and Immunology
Board of Directors, 2006 to 2011
American Academy of Allergy, Asthma and Immunology
Board of Directors, 2013 to 2017
U.S. Food and Drug Administration, Allergenic Products Advisory
Committee, 2013 to 2017
National Institutes of Health, National Institute of Allergy and
Infectious Diseases. Consortium for Food Allergy Research:
Clinical Research Units Review Committee 11/16
U.S. Food and Drug Administration, Pulmonary-Allergy Drugs
Advisory Committee, 2018 to date

Editorial Activities:

Journal of Allergy and Clinical Immunology: In Practice
Editorial Board, 2016 to date
Journal of Allergy and Clinical Immunology
Editorial Board, 2005 to 2010
Reviewer Board, 2012 to date
Annals of Allergy, Asthma and Immunology
Editorial Board, 1989-93, 1995-99
New England Journal of Medicine, JAMA, Journal of Pediatrics,
Pediatrics, Clinical and Experimental Allergy, Vaccine, Clinical
Drug Investigation, Emerging Infectious Diseases, The Medical
Letter – Reviewer
UpToDate – Section Editor – Anaphylaxis 2014 to date

Publications:

1. Kelso JM, Tamai IY, Roth MD, Valdes I, Arquilla ER. Induction of hyperglycemia with insulin antibodies to B-chain determinants. Diabetes 1980;29:383-90.

2. Weringer EJ, Kelso JM, Tamai IY, Arquilla ER. The effect of antisera to insulin, 2deoxyglucose induced hyperglycemia and starvation on wound healing in normal mice. *Diabetes* 1981;30:407-10.
3. Weringer EJ, Kelso JM, Tamai IY, Arquilla ER. Effects of insulin on wound healing in diabetic mice. *Acta Endocrinologica* 1982;99:101-8.
4. Harwood I, Rosas F, Edwards DK, Kelso JM, Nyhan WL. Cystic fibrosis. *West J Med* 1988;148:62-9.
5. Kelso JM, Keating MU, Squillace DL, O'Connell EJ, Yunginger JW, Sachs MI. Anaphylactoid reaction to ethanol. *Ann Allergy* 1990;64:452-4.
6. Kelso JM, Enright PL, Scanlon PD, O'Connell EJ, Sachs MI. Effect of inhaled methacholine on inspiratory flow. *Chest* 1990;98:1426-9.
7. Yocum MW, Kelso JM. Common variable immunodeficiency: the disorder and treatment. *Mayo Clin Proc* 1991;66:83-96.
8. Kelso, JM. House dust mite allergen and asthma. *N Engl J Med* 1991;324:338 (letter to the editor).
9. Kelso, JM. Delayed food reactions in atopic dermatitis. *J Allergy Clin Immunol* 1991;88:140. (letter to the editor)
10. Kelso JM, Yunginger JW. Laboratory tests for IgE-mediated diseases. In: Lockett RF, Bukantz SC, eds. *Allergen immunotherapy*. New York: Marcel Dekker, 1991; 145-60.
11. Kelso JM, Kerr DJ, Lie JT, Sachs MI, O'Connell EJ. Unusual diffuse pulmonary lymphatic proliferation in a young boy. *Chest* 1991;100:556-60.
12. Kelso, JM, Sodhi N, Gosselin VA, Yunginger JW. Diagnostic performance characteristics of the standard Phadebas RAST, modified RAST and Pharmacia CAP system vs. skin testing. *Ann Allergy* 1991;67:511-4.
13. Kelso JM, Keating MU, Squillace DL, O'Connell EJ, Yunginger JW, Sachs MI. Anaphylactoid reaction to ethanol. *Ann Allergy* 1992;69:463 (letter to the editor-reply).
14. Kelso JM, Jones RT, Yunginger JW. Anaphylaxis to measles, mumps and rubella vaccine mediated by IgE to gelatin. *J Allergy Clin Immunol* 1993;91:867-72.

15. Kelso JM, Sampson HA. Food protein-induced enterocolitis to casein hydrolysate formulas. *J Allergy Clin Immunol* 1993;92:909-10.
16. Kelso JM, Hugh MY, Lin FL. Recall urticaria. *J Allergy Clin Immunol* 1994;93:949-50.
17. Yunginger JW, Jones RT, Fransway AF, Kelso JM, Warner MA, Hunt LW. Extractable latex allergens and proteins in medical gloves and other rubber products. *J Allergy Clin Immunol* 1994;93:836-42.
18. Kelso JM, Jones RT, Tellez R, Yunginger JW. Oral allergy syndrome successfully treated with pollen immunotherapy. *Ann Allergy Asthma Immunol* 1995;74:391-6.
19. Kelso JM. Better drug trials. *J Allergy Clin Immunol* 1995;95:1063 (letter to the editor).
20. Kelso JM. Oral allergy syndrome? *J Allergy Clin Immunol* 1995;96:275 (letter to the editor).
21. Waecker NJ, Kelso J, Price B, Robb M. Rapid intravenous trimethoprim-sulfamethoxazole desensitization in and HIV infected infant with *Pneumocystis carinii* pneumonia. *Clin Infect Dis* 1995;21:750 (abstract).
22. Kelso JM. Allergy to penicillin and cephalosporins. *Ann Allergy Asthma Immunol* 1996;76:61 (letter to the editor).
23. Kelso JM, Keating RM. Successful desensitization for treatment of a fixed drug eruption to allopurinol. *J Allergy Clin Immunol* 1996;97:1171-2.
24. Kelso JM. Pollen-food allergy syndrome. *J Allergy Clin Immunol* 1996;98:239-40 (letter to the editor-reply).
25. Kelso JM. Skin test results in related and unrelated persons with allergic rhinitis. *Ann Allergy Asthma Immunol* 1996;77:43-6.
26. Kelso JM, Jones RT, Yunginger JW. Monospecific allergy to swordfish. *Ann Allergy Asthma Immunol* 1996;77:227-8.
27. Kelso JM. Fixed food eruption. *J Am Acad Dermatol* 1996;35:638-9.
28. Kelso JM. Study protocol on Azelastine. *Ann Allergy Asthma Immunol* 1997;78:244 (letter to the editor).

29. Kelso JM. Astemizole use in pregnancy. *J Allergy Clin Immunol* 1998;101:144(letter to the editor).
30. Kelso JM. RANTES. *J Allergy Clin Immunol* 1998;101:432 (letter to the editor).
31. Kelso JM, Jones RT, Yunginger JW. Anaphylaxis after initial ingestion of rambutan, a tropical fruit. *J Allergy Clin Immunol* 1998;102:145-6.
32. Kelso JM. Latex allergy. *Pediatric Annals* 1998;27:736-9.
33. Kelso JM. The gelatin story. *J Allergy Clin Immunol* 1999;103:200-2 (editorial).
34. Kelso JM, Mootrey GT, Tsai TF. Anaphylaxis from yellow fever vaccine. *J Allergy Clin Immunol* 1999;103:698-701.
35. Kelso JM, Cockrell G, Helm RM, Burks AW. Common allergens in avian meats. *J Allergy Clin Immunol* 1999;104:202-4.
36. Lin FL, Kelso JM. Pulmonary function studies in healthy Filipinos residing in the United States. *J Allergy Clin Immunol* 1999;104:338-40.
37. Kelso JM. Pollen-food allergy syndrome. *Clin Exp Allergy* 2000;30:905-7 (editorial).
38. Kelso JM, Fox RW, Jones RT, Yunginger JW. Allergy to iguana. *J Allergy Clin Immunol* 2000;106:369-72.
39. Kelso JM. Resolution of peanut allergy. *J Allergy Clin Immunol* 2000;106:777.
40. Kelso JM. Raw egg allergy – a potential issue in vaccine allergy. *J Allergy Clin Immunol* 2000;106:990 (letter to the editor).
41. Kelso JM, Jones RT, Yunginger JW. Immediate and delayed-type hypersensitivity reactions to Etanercept (Enbrel™). *J Allergy Clin Immunol* 2001;107:S135 (abstract).
42. Kelso JM, Jones RT, Yunginger JW. Allergy to chinchilla. *J Allergy Clin Immunol* 2002;109:S342 (abstract).
43. Kelso JM. Recurrence of allergic rhinitis, previously alleviated with allergen immunotherapy, after autologous bone marrow transplant. *Ann Allergy Asthma Immunol* 2002;89:316-8.
44. Pool V, Braun MM, Kelso JM, Mootrey G, Chen RT, Yunginger JW, Jacobson RM, Gargiullo PM, VAERS team. Prevalence of anti-gelatin IgE antibodies in persons with

- anaphylaxis following Measles-Mumps-Rubella vaccine in the U.S. *Pediatrics* 2002;110:e71.
45. Kelso JM. Psychosomatic peanut allergy. *J Allergy Clin Immunol* 2003;111:650-1.
 46. Kelso JM, Bardina L, Beyer K. Allergy to canned tuna. *J Allergy Clin Immunol* 2003;111:901.
 47. Kelso JM. Recognizing allergic reactions to routine-and not routine-vaccines. *J Respir Dis* 2003;24:409-16.
 48. Kelso JM. Adverse Reactions to Vaccines. In: Adkinson NF, Yunginger JW, Busse W, Bochner BS, Holgate ST, Simons FER, eds. *Middleton's Allergy: Principles & Practice*. Philadelphia: Mosby, 2003; 1665-1678.
 49. Kelso JM, Yunginger JW. Immunization of egg-allergic individuals with egg- or chickenderived vaccines. *Immunol Allergy Clin N Am* 2003;23:635-48.
 50. Kelso JM. Antibody Products and Vaccines. In: Honsinger RW, Green GR, eds. *Handbook of Drug Allergy*. Philadelphia: Lippincott Williams & Wilkins, 2004; 186-200.
 51. Pool V, Mootrey G, Chen RT, Gargiullo PM, Braun MM, Kelso JM, Yunginger JW, Jacobson RM. Gelatin Allergy. *Pediatrics* 2004;113:170-171 (reply to letter to the editor).
 52. Kelso JM. The rate of systemic reactions to immunotherapy injections is the same whether or not the dose is reduced after a local reaction. *Ann Allergy Asthma Immunol* 2004;92:225227.
 53. Kelso, JM. Allergic reactions to vaccines. Post TW, ed. *UpToDate*. Waltham, MA: UpToDate Inc: 2004 to date.
 54. Kelso JM. The interpretation of isolated positive skin test results to mesquite tree pollen. *J Allergy Clin Immunol* 2004;114:452-453.
 55. Russell M, Pool V, Kelso JM, Tomazic-Jezic VJ. Vaccination of persons allergic to latex: a review of safety data in the Vaccine Adverse Event Reporting System (VAERS). *Vaccine* 2004;23:664-7.
 56. Kelso JM, Kuhn KM, Newman FK, Kennedy JS, Frey SE. Immune status in a primary smallpox vaccinee who failed to develop an immunization site reaction. *JAMA* 2005; 293:677-8.

57. DiMiceli L, Pool V, Kelso JM, Shadomy SV, Iskander J. Vaccination of yeast sensitive individuals: review of safety data in the US vaccine adverse event reporting system (VAERS). *Vaccine* 2006;24:703-7.
58. Kelso JM. A second dose of epinephrine for anaphylaxis: how often needed and how to carry. *J Allergy Clin Immunol* 2006;117:464-5.
59. Kelso JM, Lin FL, Jones RT, Yunginger JW. Apparent sensitization to latex through a swim cap. *J Allergy Clin Immunol* 2006;118:524-5.
60. Kelso JM. Allergic contact stomatitis from orthodontic rubber bands. *Ann Allergy Asthma Immunol* 2007;98:99-100.
61. Kelso JM. Application of topical corticosteroids to sites of positive immediate-type allergy skin tests to relieve itching: results of a double-blind, placebo-controlled trial. *Ann Allergy Asthma Immunol* 2007;98:182-84.
62. Williams AN, Kelso JM. Radiocontrast-induced anaphylaxis despite pretreatment and use of iso-osmolar contrast. *Ann Allergy Asthma Immunol* 2007; 99:467-8.
63. Kelso JM. Racemic vs. single isomer drugs: additional considerations. *Ann Allergy Asthma Immunol* 2008;101:110 (correspondence).
64. Kelso JM. Combination therapy with azelastine and fluticasone nasal sprays. *Ann Allergy Asthma Immunol* 2008;101;111 (correspondence).
65. Kelso JM. Adverse Reactions to Vaccines for Infectious Diseases. In: Adkinson NF, Bochner BS, Busse WW, Holgate ST, Lemanske RF, Simons FER, eds. *Middleton's Allergy: Principles & Practice*. 7th edition. Philadelphia: Mosby, 2009; 1189-1204.
66. Kelso JM. Evaluation of Adverse Reactions to Vaccines. *Current Views in Allergy Asthma and Immunology* 2009;37:4.
67. Kelso JM, Li JT. Practice Parameter: Adverse reactions to vaccines. *Ann Allergy Asthma Immunol* 2009;103:S1-14.
68. Kelso JM. Update on vaccination guidelines for allergic children. *Expert Rev Vaccines* 2009; 8:1541-6.
69. Kelso JM, Lin FL. Skin testing for scombroid poisoning. *Ann Allergy Asthma Immunol* 2009;103:447.

70. Kelso, JM, Wang, J. Influenza vaccination in individuals with egg allergy. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc: 2009 to date.
71. Kelso JM. How allergic are "allergic shiners"? *J Allergy Clin Immunol* 2010;125:276.
72. Kelso JM. Administration of influenza vaccines to patients with egg allergy. *J Allergy Clin Immunol* 2010;125:800-2.
73. Farrahi F, Kelso JM. Systemic contact dermatitis secondary to systemic corticosteroid exposure. *Ann Allergy Asthma Immunol* 2010;105:A64 (abstract).
74. Kelso JM. Administration of influenza vaccines to patients with egg allergy: Update for the 2010-2011 season. *J Allergy Clin Immunol* 2010;126:1302-4.
75. Farrahi F, von Tiehl KF, Simon RA, Kelso JM. Skin testing to clopidogrel and radiocontrast media (RCM) to investigate the mechanism(s) of post-percutaneous coronary intervention (PCI) rashes. *J Allergy Clin Immunol* 2011;127:AB195. (abstract)
76. Kelso JM. How to Interpret Office Spirometry (Part I): 5 Criteria for Interpreting FlowVolume Curves. *PediatricsConsultantLive*. January 12, 2012
77. Clinical Overview of Adverse Reactions to Foods. In: James JM, Burks W, Eigenmann P, eds. *Food Allergy*. London: Elsevier Saunders, 2012.
78. Kelso JM. Adverse Responses to Vaccines. In: Adelman DC, Casale TB, Corren J eds. *Manual of Allergy and Immunology*. Philadelphia: Lippincott Williams & Wilkins, 2012.
79. Kelso JM, Greenhawt MJ, Li JT, Nicklas RA, Bernstein DI, Blessing-Moore J, et al. Adverse reactions to vaccines practice parameter 2012 update. *J Allergy Clin Immunol* 2012;130:2543.
80. Kelso JM. Contributor. *American Academy of Pediatrics. Red Book: 2012 Report of the Committee on Infectious Diseases*. Pickering LK, ed. 29th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2012.
81. Kelso JM. Safety of influenza vaccines. *Curr Opin Allergy Clin Immunol* 2012; 12:383-8.
82. Greenhawt MJ, Spengel JM, Rank MA, Green TD, Masnoor D, Sharma H, Bird JA, Chang JE, Sinh D, Teich E, Kelso JM, Sanders G M. Safe administration of the seasonal trivalent influenza vaccine to children with severe egg allergy. *Ann Allergy Asthma Immunol* 2012; 109:426-30.

83. Kelso JM. Allergic reactions after immunization. *Ann Allergy Asthma Immunol* 2013; 110:397-401.
84. Kelso JM, Greenhawt MJ, Li JT. Update on influenza vaccination of egg allergic patients. *Ann Allergy Asthma Immunol* 2013;111:301-2.
85. Halsey NA, Griffioen M, Dreskin SC, Dekker CL, Wood R, Sharma D, Jones JF, LaRussa PS, Garner J, Berger M, Proveaux T, Vellozzi C, The Hypersensitivity Working Group of the Clinical Immunization Safety Assessment Network, Broder K, Setse R, Pahud B, Hrnecir D, Choi H, Sparks R, Williams SE, Engler RJ, Gidudu J, Baxter R, Klein N, Edwards K, Cano M, Kelso JM. Immediate hypersensitivity reactions following monovalent 2009 pandemic influenza A (H1N1) vaccines: Reports to VAERS. *Vaccine* 2013; 31:6107-12.
86. Kelso JM, Greenhawt MJ. Adverse Reactions to Vaccines for Infectious Diseases. In: Adkinson NF, Bochner BS, Burks AW, Busse WW, Holgate ST, Lemanske RF, O’Hehir RE, eds. *Middleton's Allergy: Principles & Practice*. 8th edition. Philadelphia: Saunders, 2014; 1384-1403.
87. Kelso JM. Potential food allergens in medications. *J Allergy Clin Immunol* 2014; 133:1509-18.
88. Kelso JM. Administering influenza vaccine to egg-allergic persons. *Expert Rev Vaccines* 2014;13:1049-57.
89. Kelso JM. Drug and Vaccine Allergy. *Immunol Allergy Clin North Am* 2015; 35:221-30.
90. Kelso JM. Influenza Vaccine and Egg Allergy: Nearing the End of an Evidence-based Journey. (Editorial) *J Allergy Clin Immunol Pract* 2015;3:140-1.
91. Kelso JM. Use of Live Attenuated Influenza Vaccine in Children With Egg Allergy and Asthma. (Letter to the Editor) *J Ped Infect Dis* 2015; 4: 81-82.
92. Ta V, Scott DR, Chin WK, Wineinger NE, Kelso JM, White AA. Differential skin test reactivity to pollens in pollen food allergy syndrome versus allergic rhinitis. *Allergy Asthma Proc* 2015; 36:379-85.
93. Campbell RL, Kelso JM. Anaphylaxis: Acute diagnosis. Post TW, ed. *UpToDate*. Waltham, MA: UpToDate Inc. 2016 to date.

94. Campbell RL, Kelso JM. Anaphylaxis: Emergency treatment. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. 2016 to date.
95. Kelso JM, Campbell RL. Differential diagnosis of anaphylaxis in children and adults. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. 2016 to date.
96. Kelso JM. Long-term management of patients with anaphylaxis. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. 2016 to date.
97. Kelso JM. Large local reactions to mosquito bites. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. 2016 to date.
98. Kelso JM. How to apply the LEAP study. *J Allergy Clin Immunol* 2016;137:332-4.
99. Kelso JM. Following total IgE concentration in ABPA patients on omalizumab. *J Allergy Clin Immunol Pract* 2016;4:364-5.
100. Kelso JM. Do written asthma action plans improve outcomes? *Pediatric Allergy, Immunology, and Pulmonology* 2016;29:2-5.
101. Kelso JM. Provocation challenges to evaluate amoxicillin allergy in children. *JAMA Pediatr.* 2016;170:e160282.
102. Dreskin SC, Halsey NA, Kelso JM, et al. International Consensus (ICON): allergic reactions to vaccines. *World Allergy Organization Journal* 2016;9:32.
103. Kelso JM. Omalizumab anaphylaxis occurring outside the recommended observation times. *J Allergy Clin Immunol* 2017;139:1718.
104. Cook KA, Kelso JM. Surgery-Related Contact Dermatitis: A Review of Potential Irritants and Allergens. *J Allergy Clin Immunol Pract* 2017;5:1234-40.
105. Reddy AP, Kelso JM. Vaccine Reactions. *J Allergy Clin Immunol Pract* 2017;5:1463-4.
106. Cook KA, Kelso JM, White AA. Increased risk of systemic reactions extends beyond completion of rush immunotherapy. *J Allergy Clin Immunol Pract* 2017;5:1773-1775.
107. Greenhawt M, Turner PJ, Kelso JM. Administration of influenza vaccines to egg allergic recipients: A practice parameter update 2017. *Ann Allergy Asthma Immunol* 2018;120:4952.

108. Davis CM, Kelso JM. Food Allergy Management. *Immunol Allergy Clin North Am* 2018;38:53-64.
109. Kelso JM. Unproven Diagnostic Tests for Adverse Reactions to Foods. *J Allergy Clin Immunol Pract* 2018;6:362-365.
110. Kelso JM. Drug and Vaccine Allergy. In: Kline MW, editor. *Rudolph's Pediatrics, 23e*. New York, NY: McGraw-Hill Education; 2018.

Invited Presentations/Lectures

Grand Rounds, Mayo Clinic Scottsdale, "Latex Allergy" 8/94

Grand Rounds, Loma Linda University, "Latex Allergy" 7/95

Workshop, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, "Hot Topics in Pediatric Allergy and Immunology" 3/96, 3/98, 3/99, 3/00, 3/03, 3/04, 2/15

Workshop, Annual Meeting of the American Academy of Pediatrics, "Hot Topics in Pediatric Allergy and Immunology" 10/96, 10/97, 10/98, 10/00, 10/01, 10/02, 11/03, 10/04

Workshop, Annual Meeting of the American College of Allergy, Asthma and Immunology, "Hot Topics in Pediatric Allergy and Immunology" 11/96, 10/97, 11/08, 11/09

Pediatrics Review and Education Program (PREP-The Course), American Academy of Pediatrics 2/97, 8/97, 9/03, 6/04, 6/06, 3/07, 6/07, 9/07, 9/09, 6/11, 3/12

Course Faculty, Pediatric Allergy and Asthma: The Complete Course for Primary Care Providers sponsored by the American Academy of Pediatrics 3/99, 3/01, 10/03

Seminar, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, "Allergic Reactions to Vaccines" 3/00, 3/01, 3/02, 3/03, 3/04, 3/05, 3/06, 2/07, 3/08, 3/09, 3/10, 3/11, 3/12, 2/13

Seminar, Annual Meeting of the American Academy of Pediatrics, "Drug, Vaccine and Latex Allergies" 10/01, 11/03

Seminar, Annual Meeting of the American Academy of Pediatrics, "Spirometry In Practice: What Do Those Curves and Numbers Mean Anyway?" 10/02, 11/03, 10/05, 10/06, 10/09, 11/11, 10/12, 10/13, 10/14, 10/15, 10/16

Annual Meeting of the Association of Uniformed Services Allergists and Immunologists,
“Adverse Reactions to Vaccines” 3/03

Workshop, Annual Meeting of the American Academy of Allergy, Asthma and Immunology,
“Vaccine Safety Concerns and the Allergist” 3/03

Annual Meeting, Allergy, Asthma & Immunology Foundation of Northern California, “Adverse
Reactions to Vaccines” 2/04

Course Faculty, Practical Pediatrics Course, American Academy of Pediatrics 5/04, 4/05, 1/06,
11/07, 3/08, 5/09, 12/10, 5/11, 5/12, 6/13, 2/14, 9/15, 5/16, 4/17, 2/18, 5/18, 3/19

Literature Review, Annual Meeting of the American College of Allergy, Asthma and
Immunology, "Update in Pediatric Allergy" 11/04, 11/05, 11/06, 11/07, 11/08, 11/09, 11/10,
11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 10/17, 11/18

Plenary Session, Annual Meeting of the American College of Allergy, Asthma and Immunology,
“The Risk for Systemic Reactions to Allergen Immunotherapy is Not Predictable by Large Local
Reactions” 11/05

Workshop, Advanced Practice Healthcare Providers Course, Meeting of the American College of
Allergy, Asthma and Immunology, “Allergic Reactions to Drugs and Vaccines” 11/05, 11/06

Workshop, Current Concepts in Pediatric Allergy and Otolaryngology sponsored by Children’s
Hospital San Diego, “Vaccines and Vaccine Reactions” 5/06

Course Faculty, Annual Meeting of the Alabama Chapter of the American Academy of
Pediatrics, 9/06

Plenary Session, 2nd annual Tri-National Symposium of the Asociación Mexicana de Pediatría,
“New concepts on the diagnosis and treatment of asthma” 2/07

Pro/Con Debate, Annual Meeting of the American Academy of Allergy, Asthma and
Immunology, “Local Reactions Do Not Predict Systemic Reactions” 2/07, 3/11

Course Faculty, Contemporary Forums, Clinical Issues in Pediatrics 10/07, 10/08, 10/09

Seminar, Annual Meeting of the American Academy of Pediatrics, “What Determines Asthma
Control?” 10/07, 10/12

Seminar, Annual Meeting of the American Academy of Pediatrics, "Recent Advances in Allergy, Asthma and Immunology for Pediatricians: Anaphylaxis, Drug and Insect Allergy" 10/07, 10/09, 10/12

Practical Pediatrics Course, Wake Forest University School of Medicine 3/08

Course Faculty, Pediatric Update, Phoenix Children's Hospital 3/09, 2/11, 3/17

Grand Rounds, Kaiser Oakland 9/09

Seminar, Annual Meeting of the American Academy of Pediatrics, "Allergy in the Office: Mastering Common Conundrums" 10/09, 11/11, 10/12, 10/13, 10/14, 10/15, 10/16

Symposium, Annual Meeting of the American College of Allergy, Asthma and Immunology, "Adverse Reactions to Vaccinations: The Role of the Allergist" 11/09

Adolescent Medicine Pediatrics Review and Education Program (AM:PREP), American Academy of Pediatrics 2/10

Charles E. Reed Visiting Professorship, Mayo Clinic, Rochester MN 5/10

Seminar, Annual Meeting of the American Academy of Pediatrics, "Singing Insect Allergy" 10/10

Symposium, Annual Meeting of the American Academy of Pediatrics, "Pediatric Anaphylaxis: Recognition, Prevention, Diagnosis and Treatment" 10/10

Workshop, Annual Meeting of the American College of Allergy, Asthma and Immunology, "Vaccines in Practice: Ins & Outs" 11/10

International Symposium, 60th annual meeting of the Japanese Society of Allergology, "Defining the Allergy Specialist in the USA" 11/10

Visiting Professor, Tallahassee Memorial Hospital, 5/11

Seminar, Annual Meeting of the American Academy of Pediatrics, "Influenza Vaccination of Egg-Allergic Patients" 11/11

Seminar, Annual Meeting of the American College of Allergy, Asthma and Immunology, "How Smart is SMART?" 11/11

Seminar, Annual Meeting of the World Allergy Organization, "Update on Vaccinations: Adverse

Reactions” 12/11

Seminar, Annual Meeting of the American College of Physicians, “Food Allergy” 4/12

Greater Washington Area Allergy and Immunology Society, “Adverse Reactions to Vaccines: The Role of the Allergist” 5/12

Visiting Professor, Walter Reed National Military Medical Center, 5/12

Course Faculty, Symposia Medicus, 14th Annual Summer Conference on Pediatrics 7/12

Visiting Professor, AAP speaking tour in China, “Pediatric Asthma” 9/12

Workshop, Annual Meeting of the American College of Allergy, Asthma and Immunology, "Anaphylaxis Review" 11/12

Course Faculty, 45th Annual Clinical Advances in Pediatrics Symposium, Children’s Mercy Hospital, Kansas City 11/12

Workshop, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, “Vaccines 101: Expanding the Role of the Allergist/Immunologist” 2/13

Faculty, Canadian Special Immunization Clinic network meeting, 2/13

Seminar, Annual Meeting of the American College of Physicians, “An Allergy Primer for the Internist” 4/13

Grand Rounds, Mayo Clinic Scottsdale, "Adverse Reactions to Vaccines" 5/13

Allergy and Asthma Society of Virginia, “Giving Flu Shots to Egg Allergic Patients” and “What's Inside the New Adverse Reactions to Vaccines Practice Parameter” 6/13

Course Faculty, Symposia Medicus, 18th Annual Summer Conference on Primary Care 7/13

Meet the Professor Session, Annual Meeting of the American College of Allergy, Asthma and Immunology, " Food Allergy: Controversies in Diagnosis" 11/13

Symposium, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, “Vaccine Responses in the Elderly” 2/14

Workshop, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, “Influenza and Pneumococcal Vaccines in Asthmatic Patients: Benefits and Risks”, “New

Influenza Vaccines for the 21st Century” 2/14

Course Faculty, Symposia Medicus, 25th Annual Spring Conference on Pediatrics 3/14

Seminar, Annual Meeting of the American Academy of Pediatrics, “Evaluation and Management of Allergies to Antimicrobials” 10/14

Visiting Professor, AAP, University of California San Francisco Fresno campus Pediatrics and Valley Children's Hospital 4/15

Seminar, Annual Meeting of the American College of Physicians, “Cases from the Allergy Clinic” 5/15, 3/17

Course Faculty, 18th Annual Scientific Session of the Intermountain West Allergy Association 7/15

Course Faculty, Symposia Medicus, 20th Annual Summer Conference on Emergencies & Challenges in Primary Care 7/15

Seminar, 2015 Annual National Conference of the Chinese Pediatric Society (NCCPS), “Food Allergy: Recognition, Treatment and Prevention” 9/15

Seminar, Annual Meeting of the American Academy of Pediatrics, “Assessment and Management of Vaccine Reactions” 10/15

Course Faculty, Symposia Medicus, 31st Annual Fall Conference on Pediatric Emergencies 10/15

Workshop, Annual Meeting of the American College of Allergy, Asthma and Immunology, " All About Vaccines: Diagnosis, Management and Adverse Events" 11/15

Course Faculty, 37th Annual Las Vegas Seminars Pediatric Update 11/15

Course Faculty, California Chapter 1, American Academy of Pediatrics Winter CME Conference Pediatric Therapies 12/15

Course Faculty, Big Sky Pulmonary Conference, 2/16

Seminar, Annual Meeting of the American College of Physicians, “Common Allergic Problems: An Update” 5/16

Course Faculty, Symposia Medicus, 18th Annual Summer Conference on Pediatrics 7/16

Course Faculty, California Society of Allergy, Asthma and Immunology Annual Meeting 7/16

Course Faculty, The Life Spectrum of Asthma 7/16

Course Faculty, 11th Annual Alaska Asthma & Allergy Conference 9/16

Course Faculty, Mayo Clinic Pediatric Days 2016 9/16

Seminar, Annual Meeting of the American Academy of Pediatrics, "Clinical Applications of Recent Literature: Drugs, Bugs and Eczema" 10/16

New York Allergy and Asthma Society, "Potential food allergens in medications" 10/16

Seminar, Annual Meeting of the American College of Allergy, Asthma and Immunology, "Office Evaluation of Drug Allergies: How to Test Beyond Pen G and Prepen" 11/16

Course Faculty, Pediatric Potpourri: State of the Art 2017 Children's Hospital Los Angeles Medical Group 2/17

Symposium, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, "Clinical Implications of Changes in Immune Function on Older Adults: Response to Vaccines and Infections" 3/17

Symposium, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, "Difficult cases: Vaccine reactions" 3/17

Course Faculty, Symposia Medicus, Hot Topics in Pediatric Emergencies 9/17

Course Faculty, New England Society of Allergy Fall Meeting 10/17

Grand Rounds, University of California Davis Medical Center, "Drug and Vaccine Allergy" 12/17

Symposium, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, "2018 Literature Review: ABAI Continuous Assessment Study Course: Food Allergy/Allergic & Immunologic Skin Disorders/Urticaria-Angioedema" 3/18, 2/19

Symposium, Annual Meeting of the American Academy of Allergy, Asthma and Immunology, "Food Allergens in Medications and Vaccines" 3/18

Course Faculty, Symposia Medicus, 29th Annual Spring Conference on Pediatrics 3/18 Meet the Professor, Annual Meeting of the American College of Physicians, "Common Allergic Conditions" 4/18

Meet the Professor, Annual Meeting of the American College of Physicians, "Immunization Update for Adolescents and Adults" 4/18

Grand Rounds, University of California Davis Medical Center, "Food Allergy: Recognition, Treatment and Prevention" 10/18

Seminar, Annual Meeting of the American Academy of Pediatrics, "Asthma and Respiratory Allergies" 11/18

Symposium, Annual Meeting of the American College of Allergy, Asthma and Immunology, "Latest Issues and Controversies in Food Allergy: Controversial Testing" 11/18

Course Faculty, Symposia Medicus, 19th Annual Winter Conference on Pediatric Emergencies 3/19

Meet the Professor, Annual Meeting of the American College of Physicians, "Drug Allergies: Predicting, Desensitizing, and Managing Them" 4/19

Meet the Professor, Annual Meeting of the American College of Physicians, "Commonly Missed Diagnoses in Allergy and Immunology" 4/19

Teaching Activities

Naval Medical Center San Diego Internal Medicine and Pediatric residents:

- Month-long rotations in Allergy, 1990 to 2005
- Noon conference lectures, 1990 to 2005

University of California San Diego Medical Students:

- Weekly sessions in Allergy as part of Medicine Clerkship, 1993 to 2005 - Award for Outstanding Clinician Educator, 2003-2004 academic year

University of California San Diego Pediatric Residents and Allergy Fellows:

- Proctoring in Allergy Clinic at Children's Hospital San Diego, 2005 to 2006

Scripps Clinic and University of California San Diego Allergy Fellows and Internal Medicine Residents:

- Proctoring in Allergy Clinic at Scripps Clinic, 2005 to date