

LICENSES

1995-Pres Louisiana State Laboratory Specialist

INVITED LECTURESHIPS

1984: American Academy of Allergy and Immunology, Chicago, IL.
Crossed Immunoelectrophoresis (CIE): A wet workshop.

1985: American Academy of Allergy and Immunology, New York, NY.
Crossed Immunoelectrophoresis (CIE): A wet workshop.

1986: American Academy of Allergy and Immunology, New Orleans, LA.
Crossed Immunoelectrophoresis (CIE): A wet workshop.

1987: Department of Medicine, Tulane University, New Orleans, LA.
Practical Statistics for Physicians.

1987: American Academy of Allergy and Immunology, Washington, DC.
Crossed Immunoelectrophoresis (CIE): A wet workshop.

1988: American Academy of Allergy and Immunology, Anaheim, CA.
Crossed Immunoelectrophoresis (CIE): A wet workshop.

1993: Department of Allergy, Medical College of Georgia, August GA. Fire Ant Allergy: Past, Present and Future

TECHNICAL SPECIALITIES

1991-1999 Scientific/Technical Assistant, Peer Review Study Section and Chapter Grant critique editing, Arthritis Foundation, Atlanta, GA

1994-1998 Certified Histocompatibility Technologist

1998 - Pres Certified Histocompatibility Specialist

PRESENTATIONS

- 1979: British Clinical Pharmacology Society. London, England.
The effect of timolol on isoprenaline induced cyclic adenosine monophosphate production in human isolated lymphocytes.
- 1984: New Orleans Conference on Agricultural Dusts: 1984. New Orleans, LA.
Is there an allergic component to cotton dust induced respiratory disease?
- 1984: American Academy of Allergy and Immunology. Chicago, IL.
The effect of non-specific binding by total IgE on the radioallergosorbent test (RAST).
- 1986: American Academy of Allergy and Immunology. New Orleans, LA.
Antigenic/allergenic relationships among the fungi imperfecti.
- 1987: American Academy of Allergy and Immunology. Washington, DC.
Comparison between RAST with imported fire ant (IFA) whole body extracts (IFAWBE) and venom (IFAV).
- 1987: American Academy of Allergy and Immunology. Washington, DC.
Crossed immunoelectrophoretic studies of imported fire ant (IFA) whole body extracts (IFAWBE) and venom (IFAV).
- 1988: American Academy of Allergy and Immunology. Anaheim, CA.
Imported fire ant (IFA) specific IgG and IgG₄ antibodies in IFA-allergic patients and controls.
- 1988: American Academy of Allergy and Immunology. Anaheim, CA.
Lack of cross-reactivity between imported fire ant venom (IFAV) and other Hymenoptera venoms.
- 1995: American Society for Histocompatibility and Immunogenetics. Dallas, TX.
Recombination between HLA-DR and HLA-DQ within a family.

PUBLICATIONS (Journals, Books, Chapters)

1. Sander, G.E., Allen, R.C., Mansell, P.A., Reed, M.A., Carter, K.J., Steele, R.H., Carter, R.D., and Kremetz, E.T.: Polymorphonuclear leukocyte chemiluminescence: Decreased activity in terminal stages of malignant melanoma. (Short Communication), *IRCS Med. Sci.*, 4:116, 1976.
2. Allen, R.C., Stjernholm, R.L., Reed, M.A., Gupta, S., Harper, T.B., Steele, R.H., and Waring, W.W.: Correlation of metabolic and chemiluminescent responses of granulocytes from three female siblings with chronic granulomatous disease. *J. Infect. Dis.*, 136:510-518, 1977.
3. Butcher, B.T., O'Neil, C.E., Reed, M.A., and Salvaggio, J.E.: Radioallergosorbent testing of toluene diisocyanate-reactive individuals using *p*-tolyl isocyanate antigen. *J. Allergy Clin. Immunol.*, 66:213-216, 1980.
4. Butcher, B.T., O'Neil, C.E., and Reed, M.A.: Immunopharmacologic studies during cotton dust exposure in a model cardroom. Proceedings of the Fifth Cotton Dust Research Conference, pp. 9-11, 1981.
5. Butcher, B.T., O'Neil, C.E., Reed, M.A., Salvaggio, J.E., and Weill, H.: Development and loss of toluene diisocyanate (TDI) reactivity: Immunologic, pharmacologic and provocative inhalation challenge studies. *J. Allergy Clin. Immunol.*, 70:231-235, 1982.
6. O'Neil, C.E., Butcher, B.T. and Reed, M.A.: Biochemical and biological characterization of aqueous cotton dust extracts. Proceedings of the Sixth Cotton Dust Research Conference. Ed. Wakelyn, P.J., pp. 9-11, 1982.
7. Butcher, B.T., O'Neil, C.E., Reed, M.A., and Salvaggio, J.E.: Radioallergosorbent testing with *p*-tolyl monoisocyanate in toluene diisocyanate workers. *Clin. Allergy*, 13:31-34, 1983.
8. O'Neil, C.E., Reed, M.A., Aukrust, L., and Butcher, B.T.: Studies on the antigenic composition of aqueous cotton dust extracts. *Int. Archs. Allergy appl. Immunol.*, 72:294-298, 1983.
9. Butcher, B.T., O'Neil, C.E., Reed, M.A., Diem J.E., and Sharon, G.: Humoral antibody response to cotton dusts. Proceedings of the Seventh Cotton Dust Research Conference. Ed. Wakelyn, P.J., pp. 19-21, 1983.

10. O'Neil, C.E., Reed, M.A., and Butcher, B.T.: *In vitro* effects of aqueous cotton dust extract on mononuclear leukocyte cyclic adenosine monophosphate levels. Proceedings of the Seventh Cotton Dust Research Conference. Ed. Wakelyn, P.J., pp. 97-100, 1983.
11. O'Neil, C.E., Butcher, B.T., Reed, M.A., and Salvaggio, J.E.: *In vitro* effects of aqueous cotton dust extract on leukocyte cyclic adenosine monophosphate levels. Agents and Actions, 14:210-215, 1984.
12. Butcher, B.T., Reed, M.A., O'Neil, C.E., Leech, S. and Pearson, F.C.: Immunologic studies of hollow fiber dialyzer extracts. J. Int. Soc. Artific. Organs, 8:318-324, 1984.
13. O'Neil, C.E., Reed, M.A., and Butcher, B.T.: Is there an immune component to byssinosis? Proceedings of the Eighth Cotton Dust Research Conference. Eds. P.J. Wakelyn and R. Jacobs, pp. 140-142, 1984.
14. Lopez, M., Butcher, B.T., Salvaggio, J.E., Olson, J.A., Reed, M.A., McCants, M.L., and Lehrer, S.B.: Basidiomycete allergy: What is the best source of antigen? Int. Arch. Allergy appl. Immunol., 77:169-170, 1985.
15. Lehrer, S.B., Lopez, M., Butcher, B.T., Olson, J., Reed, M.A., and Salvaggio, J.E.: Basidiomycete mycelia and spore allergen extracts: skin test reactivity in adults with symptoms of respiratory allergy. J. Allergy Clin. Immunol., 78:478-485, 1986.
16. O'Neil, C.E., Reed, M.A., and Butcher, B.T.: The effect of non-specific binding by IgE on the radioallergosorbent test (RAST). Diagnost. Immunol., 4:253-256, 1986.
17. O'Neil, C.E., Reed, M.A., and Butcher, B.T.: Biochemical and immunologic characterization of cotton bract extract and its effect on *in vitro* cyclic AMP production. I. Field Dried Bract. Environ. Res., 39:104-114, 1986.
18. Butcher, B.T., Reed, M.A., and O'Neil, C.E.: Biochemical and immunologic characterization of cotton bract extract and its effect on *in vitro* cyclic AMP production. II. Green Bract. Environ. Res., 39:115-123, 1986.
19. O'Neil, C.E., Reed, M.A., Hughes, J.M. Butcher, B.T., and Lehrer, S.B.: *Fusarium solani*: Evidence for common antigenic/allergenic determinants with other Fungi imperfecti. Clin. Allergy, 17:127-133, 1987.
20. Butcher, B.T., O'Neil, C.E., Reed, M.A., Altman L.C., Lopez, M., and Lehrer, S.B.: Basidiomycete allergy: Measurement of spore specific IgE antibodies. J. Allergy Clin. Immunol., 80:803-809, 1987.

21. Butcher, B.T., and Reed, M.A.: Crossed immunoelectrophoretic studies of whole body extracts and venom from the imported fire ant *Solenopsis invicta*. J. Allergy Clin. Immunol., 81:33-40, 1988.
22. Butcher, B.T., deShazo, R.D., Ortiz, A., and Reed, M.A.: RAST-inhibition studies of the imported fire ant *Solenopsis invicta* with whole body extracts and venom preparations. J. Allergy Clin. Immunol., 81:1096-1100, 1988.
23. Butcher, B.T., deShazo, R.D., Ortiz, A., and Reed, M.A.: Superiority of *Solenopsis invicta* venom to whole body extract in RAST for diagnosis of imported fire ant allergy. Int. Arch. Allergy appl. Immunol., 85:458-461, 1988.
24. Bahna, S., Strimas, J., Reed, M.A., and Butcher, B.T.: Comparison of venom and whole body extract RAST in infants allergic to imported fire ant (*Solenopsis invicta*). J. Allergy Clin. Immunol., 82:419-424, 1988.
25. Butcher, B.T., and Reed, M.A.: Evaluation of commercial imported fire ant preparations by crossed immunoelectrophoresis and radioallergosorbent test. J. Allergy Clin. Immunol., 82:770-777, 1988.
26. Reed, M.A. and Butcher, B.T.: Imported fire ant (IFA) sensitivity: IFA specific levels of serum IgG and IgG₄. J. Allergy Clin. Immunol., 85:737-742, 1990.
27. O'Neil, C.E., Horner, W.E., Reed, M.A., Lopez, M., and Lehrer, S.B.: Evaluation of Basidiomycete and Deuteromycete "Fungi Imperfecti" extracts for common allergenic determinants. Clin. Exper. Allergy, 20:533-538, 1990.
28. O'Neil, C.E., Reed, M.A., Horner, W.E., Lehrer, S.B.: Quantitation of specific IgG, IgA, and IgM antibodies directed against four species of Basidiomycetes. Grana, 30:142-146, 1991.
29. O'Neil, C.E., Reed, M.A., Lopez, M., Hyslop, N., Gutierrez, E., Salvaggio, J.: Evaluation of immune parameters in HIV⁺ subjects reporting adverse reactions to sulfamethoxazole. Int. Arch. Allergy appl. Immunol., 94:246-247, 1991.
30. Jaspan, J., Bryer-Ash, M., Sullivan, K.A., Lopez, M., Wolfe, M.A., Clejan, S., Yan, C., Ahmed, B. and Garry, R.F.: The Interaction of a Type-A Retroviral Particle and Class II HLA Susceptibility Genes in the Pathogenesis of Graves' Disease. Jour. Clin. Endocrin. Metab., 1996.

31. Sullivan, K.A., Wolfe, M.A., Lopez, M., Jaspan, J.B. and Bryer-Ash, M.: First Report of Recombination Between the HLA-DR and HLA-DQ Loci Within a Family. *Human Immunol.*, 57:37-43, 1995.

PUBLICATIONS (Abstracts, Letters, Etc.)

1. Steele, R.H., Allen, R.C., and Reed, M.A.: Estimation of the spectra of chemiluminescence from polymorphonuclear leukocytes. (Abstr.), *J. Reticuloendothelial Soc.*, 19-20:25A, 1976.
2. Reed, M.A., Davy, C., Greenacre, J.K., Davies, R.J., and Turner, P.: The effect of timolol on isoprenaline induced cyclic adenosine monophosphate production in human isolated lymphocytes. (Abstr.), *Brit. J. Clin. Pharmacol.*, 7:433P, 1979.
3. Butcher, B.T., Mapp, C., Reed, M.A., O'Neil, C.E., and Salvaggio, J.E.: Evidence for carrier specificity of IgE antibodies detected in sera of isocyanate workers. (Abstr.), *J. Allergy Clin. Immunol.*, 69(Suppl.):123, 1982.
4. Butcher, B.T., Mapp, C., Reed, M.A., and O'Neil, C.E.: Evidence against hapten specificity of IgE antibodies to isocyanate protein conjugates. (Abstr.), *In: Occupational Lung Disease*, Eds. Gee B.L., Morgan W.K., and Brooks S.M., p. 184, 1982.
5. Butcher, B.T., O'Neil, C.E., Reed, M.A., and Salvaggio, J.E.: Antigenicity and allergenicity of cotton extracts. (Abstr.), *J. Allergy Clin. Immunol.*, 71:95, 1983.
6. O'Neil, C.E., Butcher, B.T., Reed, M.A., and Salvaggio, J.E.: *In vitro* effects of aqueous field dried cotton bract extract on leukocyte cyclic AMP levels. (Abstr.), *J. Allergy Clin. Immunol.*, 71:106, 1983.
7. O'Neil, C.E., Butcher, B.T., Reed, M.A., Diem, J.E., and Weill, H.: The prevalence of atopy and cotton specific IgE antibodies in textile mill workers. (Abstr.), *Clin. Research*, 31:847A, 1984.
8. O'Neil, C.E., Reed, M.A., and Butcher, B.T.: The effect of non-specific binding by total IgE on the radioallergosorbent test (RAST). (Abstr.), *J. Allergy Clin. Immunol.*, 73 (Part 2): 152, 1984.
9. Carrington, D.M., Reed, M.A., O'Neil, C.E., deShazo, R.D., Paull, B.R., and Butcher, B.T.: Analysis of fire ant extract by crossed immunoelectrophoresis. (Abstr.), *Clin. Res.* 32:826A, (1984).

10. Butcher, B.T., Reed, M.A., deShazo, R.D., Paull, B.R., Carrington, D.M., and O'Neil, C.E.: Imported fire ant hypersensitivity: Antigenic analysis of whole body extracts and venom. (Abstr.), *J. Allergy Clin. Immunol.*, 75(2):147, 1985.
11. Lopez, M., Butcher, B., Salvaggio, J., Olson, J., Reed, M., McCants, M., and Lehrer, S.: Comparison of antigens in basidiomycete spores and mycelia. (Abstr.), *J. Allergy Clin. Immunol.*, 75(2):175, 1985.
12. Lehrer, S.B., Olson, J., Butcher, B.T., Reed, P., Lopez, M., and Salvaggio, J.: Skin test reactivity to basidiospores (BS) in an adult population with symptoms of respiratory allergy. (Abstr.), *Ann. Allergy*, 55(2):374, 1985.
13. Hughes, J.M., Reed, M.A., Butcher, B.T., Lehrer, S.B., and O'Neil, C.E.: Antigenic/allergenic relationships among the fungi imperfecti. (Abstr.), *J. Allergy Clin. Immunol.*, 77(2):201, 1986.
14. Lehrer, S.B., Olson, J., Butcher, B.T., Reed, M.A., Lopez, M., and Salvaggio, J.E.: Allergen extracts from basidiomycete mycelia or spores: Skin test reactivity in adults with symptoms of respiratory allergy. (Abstr.), *J. Allergy Clin. Immunol.*, 77(2):243, 1986.
15. Reed, M.A., deShazo, R.D., Ortiz, A.A., Dalton, C.A., Doll, J.N., Guralnick, M.W., and Butcher, B.T.: Comparison between RAST with imported fire ant (IFA) whole body extracts (IFAWBE) and venom (IFAV). (Abstr.), *J. Allergy Clin. Immunol.*, 79:217, 1987.
16. Butcher, B.T., deShazo, R.D., Guralnick, M.W., Jones, T., Ortiz, A.A., Dalton, C.A., Doll, J.N., and Reed, M.A.: RAST inhibition studies of imported fire ant (IFA) whole body extracts (IFAWBE) and venom (IFAV). (Abstr.), *J. Allergy Clin. Immunol.*, 79:233, 1987.
17. Watkins, D.J., Reed, M.A., Jones, T., Guralnick, M.W., and Butcher, B.T.: Crossed immunoelectrophoretic studies of imported fire ant (IFA) whole body extracts (IFAWBE) and venom (IFAV). (Abstr.), *J. Allergy Clin. Immunol.*, 79:217, 1987.
18. Lehrer, S.B., Reed, M.A., O'Neil, C.E., Altman, L.C., Lopez, M.L., Salvaggio, J.E., and Butcher B.T.: Presence of basidiospore (BS) specific IgE in skin test positive adults with respiratory allergy. (Abstr.), *J. Allergy Clin. Immunol.*, 79:207, 1987.

31. Escobar, M.A., Lehrer, S.B., McCants, M.L., Wolfe, M.A., Reyes, M., O'Neil, C.E.: Comparison of prevalence of cockroach sensitivity in subjects from Cali, Colombia and New Orleans, LA. (Abstr.) *J. Allergy Clin. Immunol.*, 89(2):314, 1992.
32. Sullivan, K.A., Wolfe, P.A., Lopez, M., Jaspan, J. and Bryer-Ash, M.: Recombination between HLA-DR and HLA-DQ within a family. (Abstr.) *Human Immunol.*, 44(Suppl. 1):56, 1995.
33. Sullivan, K.A., Lopez, M., Jaspan, J., Bryer-Ash, M. and Wolfe, P.A.: HLA and Susceptibility to Graves' Disease. (Abstr.) *Human Immunol.*, 44(Suppl.1):85, 1995.