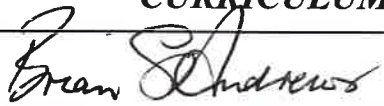


CURRICULUM VITAE			
SIGNATURE:		DATE:	11/13/24
NAME:	Brian S. Andrews, MB, BS, MD	DATE UPDATED:	November 2024
TITLE:	Sub - Investigator		

RESEARCH SITE ADDRESS & PHONE:

Main Office

Advanced Clinical Research Center, dba
TriWest Research Associates
296 H Street, Suite 302
Chula Vista, CA 91910

Contact Info:

Office: (619) 334-4735
Fax: (619) 334-4769
Email: drandrews@triwestresearch.com

EDUCATION/TRAINING:

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Scripps C & R Foundation La Jolla, California	Research Fellowship	1976-1977	Immunopathology
University of New South Wales Sydney, Australia	M.D., Immunology	1973-1975	Immunology
University of Sydney Sydney Hospital Sydney, Australia	M.B., B.S. (Honors) (MD equivalent)	1961-1968	Medicine
University of Sydney Sydney, Australia	B.Sc. (Med.) (Honors) Pathology	1990	Medicine

BOARD CERTIFIED:

BOARD CERTIFIED/ELIGIBLE	YEAR(s)	SPECIALTY
Board Certified	1992	Geriatrics
Board Certified	1983	Allergy and Immunology
Board Certified	1980	Rheumatology
Board Certified	1978	Internal Medicine

POSITIONS AND EMPLOYMENT:

2024	Sub-Investigator, Advanced Clinical Research Center, dba TriWest Research Associates LLC, Chula, CA
2024	Joint Assessor, Advanced Clinical Research Center, dba TriWest Research Associates LLC, Chula, CA
2009-Present	Professor Emeritus, UCI College of Medicine, Irvine, CA
2009-2020	Professor of Medicine, Associate Dean (Clinical), University of Notre Dame, Fremantle, Western Australia
1994-2009	Chief, Division of Rheumatology and Clinical Immunology, UCI College of Medicine, Irvine, CA
1990-2009	Professor, Department of Biological Chemistry, UCI College of Medicine, Irvine, CA
1988-1989	Sabbatical, Scripps C & R Foundation, San Diego, CA
1986-2009	Professor, UCI College of Medicine, Irvine, CA
1980-1986	Associate Professor, UCI College of Medicine, Irvine, CA
1977-1980	Assistant Professor, University of Virginia School of Medicine

CLINICAL RESEARCH EXPERIENCE:**PUBLICATIONS**

1. Andrews, B.S., Podolsky, S. and Posen, S. Thyrotrophin in Albright's syndrome with hyperthyroidism. *Ann. Intern. Med.*, 81:561, 1974.
2. Stokes, G.S., Andrews, B.S., Hagon, E., Thronell, I.R., Palmer, A. and Posen, S. Barter's syndrome presenting during pregnancy. Results of amiloride therapy. *Med. J. Aust.*, 2:360-365, 1974.
3. Andrews, B.S. and Penny, R. The role of immune complexes in the pathogenesis of disease. *Aust. N.Z.J. Med.*, 6:591-602, 1976.
4. Andrews, B.S., McIntosh, J., Petts, V. and Penny, R. Immune complexes in retinal vasculitis. *Clin. Exp. Immunol.*, 29:23-29, 1977.
5. Theofilopoulos, A.N., Andrews, B.S., Urist, M.M., Morton, D.S. and Dixon, F.J. The nature of immune complexes in human cancer sera. *J. Immunol.*, 119:657-663, 1977.
6. Andrews, B.S., Eisenberg, R.A., Theofilopoulos, A.N., Izui, S., Wilson, C.B., McConahey, P.J., Murphy, D.E., Roths, J.B. and Dixon, F.J. Spontaneous murine lupus-like syndromes. Clinical and immunopathological manifestations in several strains. *J. Exp. Med.*, 148:1198-1215, 1978.

7. Dixon, F.J., Andrews, B.S., Eisenberg, R.A., et al. The etiology and pathogenesis of a spontaneous lupus-like syndrome of mice. *Arthritis Rheum.*, 21:S64-S67, 1978.
8. Andrews, B.S., Theofilopoulos, A.N., Brandt, W.E., Loskutoff, D., Peters, C.J. and Dixon, F.J. Replication of dengue and Junin virus in endothelial cells. *Infect. Immun.*, 20:776-781, 1978.
9. Andrews, B.S. and Theofilopoulos, A.N. A microassay for the determination of hemolytic complement activity in mouse serum. *J. Immunol. Methods*, 22:273-281, 1978.
10. Andrews, B.S. and Penny, R. Immune complexes and human disease. Historical aspects. *Illinois Med. J.*, 154:85-89, 1978.
11. Andrews, B.S. and Penny, R. Immune complexes and human disease. Clinical expression and methods of detection. *Illinois Med. J.*, 154:146-153, 1978.
12. Andrews, B.S. and Penny, R. Immune complexes and human disease. General management. *Illinois Med. J.*, 154:366-368, 1978.
13. Andrews, B.S., Petts, V., McIntosh, J. and Penny, R. Circulating immune complexes in acute uveitis. *Int. Arch. All. Appl. Immunol.*, 58:313-321, 1979.
14. Zager, R.A., Couser, W.G., Andrews, B.S., Bolton, W.K. and Pohl, M.A. Membranous nephropathy: A radioimmunologic search for anti-renal tubular epithelial antibodies and circulating immune complexes. *Nephron*, 24:1016, 1979.
15. Andrews, B.S., Cains, G., McIntosh, J., Petts, V. and Penny, R. Circulating immune complexes in human neutrophilic and lymphocytic vasculitis. *J. Clin. Lab. Immunol.* 1:311-320, 1979.
16. Eisenberg, R.A., Theofilopoulos, A.N., Andrews, B.S., Peters, C.J., Thor, L. and Dixon, F.J. Natural thymocytotoxic antibodies in autoimmune and normal mice. *J. Immunol.*, 122:2272-2278, 1979.
17. Waller, S.J., Taylor, R.P. and Andrews, B.S. A polyethylene glycol radioimmunoprecipitation assay for human immunoglobulin G. *J. Immunol. Methods*, 30:171-177, 1979.
18. Cunningham, P.H., Andrews, B.S. and Davis, J.S., IV. Immune complexes in progressive systemic sclerosis and mixed connective tissue disease. *J. Rheumatol.*, 7:301-308, 1980.
19. Cunningham, P.H., Andrews, B.S. and Davis, J.S., IV. Scleroderma. Developments from Osler to the present. *South Med. J.*, 73:770-774, 1980.
20. Abel, T., Andrews, B.S., Cunningham, P.H., Brunner, C., Horwitz, D.A. and Davis J.S., IV. Rheumatoid vasculitis: The effect of cyclophosphamide on the clinical course and levels of circulating immune complexes. *Ann. Intern. Med.*, 93:407-413, 1980.
21. Beacham, B.E., Greep, K.E., Andrews, B.S. and Cooper, P.H. Bullous amyloidosis. *J. Amer. Acad. Dermatol.*, 3:506-510, 1980.

22. Taylor, R.P., Andrews, B.S., Morles, K.W. and Conlon, T. Quantitative studies of the interaction of 3H-ds DNA/anti-DNA immune complexes with complement. Comparison and evaluation of the Raji cell, the solution phase C1q, and the red blood cell linked complement fixation radioimmunoassays. *Int. J. Rheumatol.*, 1:29-34, 1981.
23. Andrews, B.S., Arora, N., Shadforth, M.F., Goldberg, S.K. and Davis, J.S., IV. The role of immune complexes in the pathogenesis of pleural effusions. *Amer. Rev. Resp. Dis.*, 124:115-120, 1981.
24. Boyd, R.E. and Andrews, B.S. Sarcoidosis presenting as cutaneous ulceration, subcutaneous nodules and chronic arthritis. *J. Rheumatol.*, 8:311-316, 1981.
25. Barada, F.A., Jr., Andrews, B.S., Davis, J.S., IV and Taylor, R.P. Antibodies to Sm in patients with systemic lupus Erythematosus: Correlation of Sm antibody titers with disease activity and other laboratory parameters. *Arthritis Rheum.*, 24:1236-1244, 1981.
26. Andrews, B.S., Cunningham, P.H., Shadforth, M.F. and Davis, J.S., IV. Demonstration of a C1q receptor on the surface of human endothelial cells. *J. Immunol.*, 127:1075-1244, 1981.
27. Carvalho, E.M., Andrews, B.S., Martinelli, R., Dutra, M. and Rocha, H. Circulating immune complexes and rheumatoid factor in schistosomiasis and visceral leishmaniasis. *Amer. J. Trop. Med. Hyg.*, 32:61-68, 1983.
28. Wilson, H.A., Askari, A.D., Neiderhiser, D.H., Johnson, A.M., Andrews, B.S. and Hoskins, L.C. The syndrome of pancreatitis with arthropathy and subcutaneous fat necrosis: Evidence for the pathogenicity of lipolytic enzymes. *Arthritis Rheum.*, 26:121-126, 1983.
29. Cesario, T.C., Andrews, B.S., Martin, D.A., Jason, M. Treadwell, T., Friou, G.J. and Tilles, J.G. Interferon in synovial fluid and serum of patients with rheumatic diseases. *J. Rheumatol.*, 10:647-650, 1983.
30. Cesario, T.C., Jason, M., Andrews, B.S., Shanbron, E., Juranas, D., Katz, L. and Friou, G.J. Limulus assay for bacterial endotoxin in synovial fluid. *Ann. Rheum. Dis.*, 42:571-574, 1983.
31. Allen, B.J. and Andrews, B.S. Bilateral aseptic necrosis of calcanei in an adult male with sickle cell disease treated by a surgical coring procedure. *J. Rheumatol.* 10:294-296, 1983.
32. Jason, M., Andrews, B.S., Colvin, M. and Friou, G.J. The in-vitro effects of 4-hydroperoxycyclophosphamide (4-HPCY) on the morphology and function of human peripheral blood mononuclear phagocytic cells (macrophages). *Cancer Res.*, 44:3936-3941, 1984.
33. Sandborg, C.I., Berman, M.A., Andrews, B.S. and Friou, G.J. Interleukin-1 production by mononuclear cells from patients with scleroderma syndromes. *Clin. Exp. Immunol.*, 60:294-302, 1985.
34. Zilberfarb, J.L., Andrews, B.S., Young, A.C. and Davis, J.S., IV. Enhancement of C1q binding activity by IgM-rheumatoid factor (IgM-RF). *J. Rheumatol.*, 12:444-448, 1985.

35. Andrews, B.S., Ascher, M.S., Barada, F.A., Jr. and Davis, J.S., IV. The Raji cell radioimmunoassay (Raji RIA) in patients with systemic lupus erythematosus (SLE): Clinical significance and relationship to other serologic parameters assessed by discriminant analysis. *J. Rheumatol.*, 12:718-723, 1985.
36. Shiel, W.C., Jr., Prete, P.E., Jason, M. and Andrews, B.S. Palmar fasciitis and arthritis associated with ovarian and non-ovarian carcinomas: A new syndrome. *Amer. J. Med.*, 79:640-644, 1985.
37. Andrews, B.S., Friou, G.J., Barr, R.J., Mirick, G.R., Ross, P.A., Sandborg, C.I. and Berman, M.A. Loss of epidermal Langerhans cells and endothelial cell HLA-DR antigens in the skin in progressive systemic sclerosis (PSS). *J. Rheumatol.*, 13:341-348, 1986
38. Berman, M.A., Sandborg, C.I., Calabia, B.S., Andrews, B.S. and Friou, G.J. Studies of an interleukin-1 inhibitor: Characterization and clinical significance. *Clin. Exp. Immunol.*, 64:136-145, 1986.
39. Andrews, B.S., Schenk, A.R., Mirick, G.R., Ross, P.A., Barr, R.J. and Friou, G.J. Immunopathology of cutaneous lupus erythematosus (LE) defined by murine monoclonal antibodies. *J. Amer. Acad. Dermatol.*, 16:474-481, 1986.
40. Shiel, W.C., Andrews, B.S., Friou, G.J., Martin, D.A., Scopelitis, E. and Barada, F.A. Immune complexes in synovial fluid and serum from patients with disseminated gonococcal infections: Evidence for local immune complex formation within the joint space. *Ann. Rheum. Dis.*, 4:816-820, 1986.
41. Sandborg, C.I., Berman, M.A., Andrews, B.S., Mirick, G.R. and Friou, G.J. Increased production of an interleukin-1 (IL-1) inhibitor with fibroblast stimulating activity by mononuclear cells from patients with scleroderma. *Clin. Exp. Immunol.*, 66:312-319, 1986.
42. Berman, M.A., Sandborg, C.I., Andrews, B.S. and Friou, G.J. Interleukin 1 inhibitor masks high interleukin-1 production in AIDS. *Clin. Immunol. Immunopathol.*, 42:133-140, 1987.
43. Palmer, K.D., O'Day, K., Wener, M.H., Andrews, B.S. and Margolis, R.L. A 17-kDa centromere protein (CENP-A) co-purifies with nucleosome core particles and with histones. *J. Cell Biol.*, 104:805-815, 1987.
44. Andrews, B.S., Mirick, G.R., Friou, G.J., Berman, M.A., Sandborg, C.I. and Cesario, T.C. Changes in circulating monocytes in patients with progressive systemic sclerosis. *J. Rheumatol.*, 14:930-935, 1987
45. Schatten, G., Simerly, C., Palmer, D.K., Margolis, R.L., Maul, G., Andrews, B.S. and Schatten, H. Kinetochore appearance during meiosis, fertilization and mitosis in mouse oocytes and zygotes. *Chromosoma*, 96:341-352, 1988.
46. Marks, R.M., Czerniecki, M., Andrews, B.S. and Penny, R. The effects of scleroderma serum on human microvascular endothelial cells. Induction of antibody dependent cellular cytotoxicity. *Arthritis Rheum.*, 31:1524-1534, 1988.

47. Watrous, D.A. and Andrews, B.S. The Metabolism and Immunology of Bone. *Sem. Arthritis. Rheum.*, 19:45-65, 1989.
48. Watrous, D., Andrews, B.S., Levonian, P. and Friou, G.J. Effects of 17 kDa human interleukin-1 (IL-1), 25-31 kDa thymocyte stimulating activity and the 6-9 kDa IL-1 inhibitor on calcium release in the newborn murine calvarial assay. *J. Rheumatol.*, 17:1142-1147, 1990.
49. Andrews, B.S., Mackman, N., Rehemtulla, A., Fowler, B.J. and Edgington, T.S. Conservation of tissue factor primary sequence among three mammalian species. *Gene*, 98:265-269, 1991.
50. Andrews, B.S. Is the tryptophan-lysine-serine (WKS) motif the tissue factor binding site for coagulation factor VII? *TIBS*, 16:31-36, 1991.
51. Lehmer, R.R., Andrews, B.S., Robertson, J.A., Stanbridge, E.J., delaMaza, L. and Friou, G.J. Clinical and biological characteristics of *Ureaplasma urealyticum*-induced polyarthritis in a patient with common variable immunodeficiency (CVID). *Ann. Rheum. Dis.*, 50:574-576, 1991.
52. Clements, P.J. et al. Skin thickness score in systemic sclerosis: An assessment of interobserver variability in 3 independent studies. *J. Rheumatol.*, 20:1892-1896, 1993.
53. Clements, P.J., Furst, D.E., Wong, W-K., et al.: High-Dose (HI-DPA) vs Low-Dose (LO-DPA) Penicillamine in Early Diffuse Systemic Sclerosis (SSc) Trial: Analysis of Trial. *Arthritis Rheum.* 42:1194-1203, 1999
54. Clements PJ, Wong WK, Hurwitz EL, Furst DE, Mayes M, White B, Wigley F, Weisman M, Barr W, Moreland L, Medsger TA Jr, Steen V, Martin R, Collier D, Weinstein A, Lally E, Varga J, Weiner S, Andrews B, Abeles M, Seibold J. Correlates of the disability index of the health assessment questionnaire. A measure of functional impairment in systemic sclerosis (SSc). *Arthritis Rheum.* 42:2372-2380, 1999
55. Clements PJ, Hurwitz EL, Wong WK, Seibold JR, Mayes M, White B, Wigley F, Weisman M, Barr W, Moreland L, Medsger TA Jr, Steen VD, Martin RW, Collier D, Weinstein A, Lally E, Varga J, Weiner SR, Andrews B, Abeles M, Furst DE.: Skin score as a predictor and correlate of outcome: High-dose vs Low-dose penicillamine in systemic sclerosis trial. *Arthritis Rheum.*, 43: 2445-2454, 2000
56. Clements PJ, Wong WK, Hurwitz EL, Furst DE, Mayes M, White B, Wigley F, Weisman M, Barr W, Moreland L, Medsger TA Jr, Steen V, Martin RW, Collier D, Weinstein A, Lally E, Varga J, Weiner SR, Andrews B, Abeles M, Seibold JR. The Disability Index of the Health Assessment Questionnaire is a predictor and correlation of outcome in the high-dose versus low-dose penicillamine in systemic sclerosis trial. *Arthritis Rheum.* 44: 653-661, 2001
57. Furst DE, Clements PJ, Wong WK, Mayes MD, Wigley F, White B, Weisman M, Barr, W, Moreland L, Martin R, Medsger TA Jr, Steen V, Collier D, Weinstein A, Lally, E, Varga J, Weiner SR, Andrews B, Abeles M, Peter JB, Seibold JR. Effects of the American College of Rheumatology systemic sclerosis trial guidelines on the nature of systemic sclerosis patients entering a clinical trial. *Rheumatology (Oxford)*. Jun;40 :615-22, 2001

58. Mouradi, B. and Andrews, B.S. Usefulness of Online Mendelian Inheritance in Man in Clinical Practice. *Ann. Intern. Med.* 135:70, 2001
59. DeMarco PJ, Weisman MH, Seibold JR, Furst DE, Wong WK, Hurwitz EL, Mayes M, White B, Wigley F, Barr W, Moreland L, Medsger TA Jr, Steen V, Martin RW, Collier D, Weinstein A, Lally E, Varga J, Weiner SR, Andrews B, Abeles M, Clements PJ. Predictors and outcomes of scleroderma renal crisis: the high-dose versus low-dose D-penicillamine in early diffuse systemic sclerosis trial. *Arthritis Rheum.* 46 :2983-9, 2002
60. Clements, PJ, Seibold, JR, Furst DE, Wong, WK, Mayes, M, White, B, Wigley, F, Weisman, MD, Barr, W, Moreland, L, Medsger, TA, Jr, Steen, V, Martin, RW, Collier, D, Weinstein, A, Lally, E, Varga, J, Weiner, SR, Andrews, B, Abeles, M.: High-dose vs Low-dose Penicillamine in Early Diffuse Systemic Sclerosis Trial: Lessons Learned. *Sem. Arthritis Rheum.* 33:249-623, 2004
61. Khanna D, Furst DE, Hays RD, Park GS, Wong WK, Seibold JR, Mayes MD, White B, Wigley FF, Weisman M, Barr W, Moreland L, Medsger Jr TA, Steen VD, Martin RW, Collier D, Weinstein A, Lally EV, Weiner SR, Andrews B, Abeles M, Clements PJ: Minimally important difference in diffuse systemic sclerosis: results from the D-penicillamine study. *Ann. Rheum. Dis.*, 65:1325-1329, 2006
62. Beeton C, Wulff H, Standifer N, Mullen KM, Counts DR, Wang PH, LeeHealey CJ, Andrews BS, Pennington MW, Knaus H-G, Gutman GA, Nepom GT, Calabresi, PA and Chandy GK. Kv1.3 channels: therapeutic target for type-1 diabetes mellitus, rheumatoid arthritis and multiple sclerosis. *Proc. Natl. Acad. Sci.* 103:17414-17419, 2006
63. Mehdi, S., Prete, P.E., Hashimzadeh, M., Hou, A., Le, T., and Andrew, B.S.. A study of musculoskeletal disease in two haemodialysis populations and its impact on quality of life. *J. Clin. Rheumatol.* 15: 405-407, 2009
64. Tiwari, N., Chabra, S., Meddi, S., Sweet, P., Krasieva, TB., Pool, R., Andrews, B. and Peavy, GM. Imaging of normal and pathologic joint synovium using nonlinear optical microscopy as a potential diagnostic tool. *J. Biomed. Optics.* 15: 056001, 2010

