

Charlotte Cunningham-Rundles, MD, Ph.D.

BIOGRAPHICAL SKETCH

NAME		POSITION TITLE	
Cunningham-Rundles, Charlotte		Professor of Medicine/Pediatrics/Biochemistry	
EDUCATION (<i>Begin with baccaulaureate or other initial professional education, such as nursing, and include postdoctoral training.</i>)			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Duke University, North Carolina	B.D.	1965	Zoology-Chemistry
Columbia University	M.D.	1969	Medicine
New York University	Ph.D.	1974	Immunology

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Key personnel include the principal investigator and any other individuals who participate in the scientific development or execution of the project. Key personnel typically will include all individuals with doctoral or other professional degrees, but in some projects will include individuals at the masters or baccalaureate level provided they contribute in a substantive way to the scientific development or execution of the project. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and the representative earlier publications pertinent to this application.

PROFESSIONAL EXPERIENCE :

1969-1972	Intern and Resident, Medicine, New York University, Bellevue Med. Ctr., NYC
1979-1986	Director, Biochemical Immunology and Immunodeficiency, Sloan Kettering Institute, NYC
1986-1993	Associate Professor, Dept. of Medicine Mt. Sinai Med. Ctr., NYC
1986-1993	Associate Professor, Dept. of Pediatrics, Mt. Sinai Med. Ctr., NYC
1986-1994	Associate Professor, Immunobiology Institute, Mt. Sinai Med. Ctr., NYC
1986-present	Director of Immunodeficiency Clinic Mount Sinai Medical Center, NYC
1991-present	Director, Jeffrey Modell Laboratory for Immunodeficiency Research
1992-1994	Associate Professor of Biochemistry
1994-1998	Member, Allergy Immunology and Transplantation NIH Grant Review Committee
1996-1998	Chairman, Allergy Immunology and Transplantation NIH Grant Review Committee
1994-present	Professor of Medicine, Biochemistry and Pediatrics
1998-present	Professor of Immunobiology

CERTIFICATIONS, MEDICAL SOCIETIES, RESEARCH SOCIETIES:

American Board of Internal Medicine ; American Federation for Clinical Research; Fellow, American College of Physicians; American Association of Immunologists; Fellow of the American Association of Asthma, Allergy and Immunology (Chair Research Committee), Clinical Immunology Society, (Secretary Treasurer, 1994-1999, Elected Councilor, 1999;

Publications Chair; President, 2003-2004, PAGID, European Society for Immune Deficiency; The Mucosal Immune Society, The Harvey Society, The Henry Kunkel Society.

CONDENSED BIBLIOGRAPHY: (Taken from total of 150 Reviewed Articles)

30. CUNNINGHAM-RUNDLES, S., CUNNINGHAM-RUNDLES, C., MA, D.I., SIEGAL, F.P., KOSLOFF, C.L., AND GOOD, R.A. Impaired proliferative responses to B lymphocyte activators in common variable immunodeficiency. *J. Clin. Immunol.* 1:65-72, 1981.
36. CUNNINGHAM-RUNDLES, C. Naturally occurring autologous anti-idiotypic antibodies: Participation in immune complex formation in selective IgA deficiency. *J. Exp. Med.* 155:711-719, 1982
48. CUNNINGHAM-RUNDLES, C., MAYER, L., FU, S.M., AND KUNKEL, H.G. Polyclonal immunoglobulin secretion in patients with common variable immunodeficiency using monoclonal B cell differentiation factors. *J. Clin. Invest.* 74:2115-2120, 1984.
51. CUNNINGHAM-RUNDLES, C., KOISTINEN, J., AND CHEUNG, M.K.L. Cross reactive anti-idiotypic antibodies in human sera. *J. Clin. Invest.* 75:1722-1728, 1985.
64. CUNNINGHAM-RUNDLES, C., CARR, R.I. Dietary bovine and immune complex formation after intravenous immunoglobulin in common varied immunodeficiency. *J. Clin. Immunol.* 6:381-388, 1986.
75. CUNNINGHAM-RUNDLES, C. Clinical and immunologic analyses of 103 patients with Common Variable immunodeficiency. *J. Clin. Immunol.* 9, 1989.
69. CUNNINGHAM-RUNDLES, C., AND FENG, Z.K. Analysis of a common inheritable idiotypic in IgA-deficient sera using monoclonal antibodies. *Journal of Immunology.* 140:3880-3886, 1988.

81. CUNNINGHAM-RUNDLES, C., LIEBERMAN, P., HELLMAN, G., AND CHAGANTI, R.S. Non-Hodgkins lymphoma in common variable immunodeficiency. *Am. J. Hematology.* 37:69-74, 1991.
83. CUNNINGHAM-RUNDLES, C., FENG, Z.K., AND WOODS, K.R. Relationship between naturally occurring human antibodies to casein and auto anti-idiotypic antibodies: Implications for the network theory. *J. Clin. Immunol.* 11:279-290, 1991.
77. CUNNINGHAM-RUNDLES, C., MAYER, L.M., SAPIRA, E., MENDELSON, L. Restoration of immunoglobulin secretion in common variable immunodeficiency by *in vitro* treatment with polyethylene glycol conjugated human recombinant interleukin-2. *Clin. Immunol. Immunopathol.* 60:46-56, 1992.
89. SNELLER, M.C., STROBER, W., EISENSTEIN, E., JAFFE, J.S., CUNNINGHAM-RUNDLES, C. NIH Conference: New Insights into Common Variable Immunodeficiency. *Annals Int. Med.* 118:720-730, 1993.
91. CUNNINGHAM-RUNDLES, C., KAZBAY, K., MAYER, L. Potential uses of polyethylene glycol conjugated recombinant IL-2 in common variable immunodeficiency. *Immunodeficiency* 4:31-36, 1993.
93. CUNNINGHAM-RUNDLES, KAZBAY, K., HASSETT, J., ZHOU, Z., MAYER, L. Enhanced humoral immunity *in vivo* in common variable immunodeficiency after long term subcutaneous polyethylene glycol conjugated IL-2. *New Engl J Med.* 331:918-921, 1994.
99. BRANDA, F., MOORE, AL., MC.CORMACK, J.J., ZON, G. AND CUNNINGHAM-RUNDLES, C. B cell proliferation and differentiation in common variable immunodeficiency patients produced by an anti sense oligomer to the rev gene of HIV-1. *Clinical Immunol Immunopathol.* 79:115-121. 1996.
100. MECHANIC, L., DICKMAN, S., AST, F., CUNNINGHAM-RUNDLES, C. Granulomatous Disease in Common Variable Immunodeficiency. *Annals Int. Med.* 127:613-617, 1997.
102. C. CUNNINGHAM-RUNDLES and BODIAN, C. Common Variable Immunodeficiency: Clinical and Immunologic analyses of 248 patients. *Clinical Immunology,*

92:34-48,1999.

98. CUNNINGHAM-RUNDLES, C. Update in Allergy and Immunology. JAMA, 273:1659-1660, 1995.

103. STADTMADTMAUER, G., and CUNNINGHAM-RUNDLES, C. Outcome analysis and cost assessment in immunologic disorders. JAMA, 278:2018-23, 1997.

108. CUNNINGHAM-RUNDLES, C., MURRAY, H.W., and SMITH, J.P. Treatment of idiopathic CD4 T lymphocytopenia with IL-2. Clin Exp Immunol, 116:322-325, 1999.

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CUNNINGHAM-RUNDLES C, COOPER DL, DUFFY TP, STRAUCHEN J. Lymphomas of mucosal-associated lymphoid tissue in common variable immunodeficiency. Am J Hematol. 69:171-8, 2002