

Dr. Frederick Miller is Acting Clinical Director and Chief of the Environmental Autoimmunity Group in the National Institute of Environmental Health Sciences at the NIH Clinical Center in Bethesda, MD. He oversees investigators in his group as well as others in national and international consortia that evaluate and conduct a wide range of basic and clinical studies on adult and juvenile autoimmune diseases.

He obtained his M.D. and Ph.D. from Case Western Reserve University, went on to medical residencies at Emory and Stanford, and then did rheumatology and immunology training in NIAMS. His work in the field of autoimmune diseases spans three decades and involves many aspects of the environmental risk factors, epidemiology, immunology, genetics, pathogenesis, evaluation and treatment of immune-mediated diseases. He has focused much of his work on autoimmune muscle diseases known as the myositis syndromes. He has received a number of awards of distinction and has authored or co-authored over 200 research publications, reviews, books and book chapters. He co-established and is co-chair of the International Myositis Assessment and Clinical Studies Group (IMACS). He has recently established the Myositis Genetics Consortium (MYOGEN) to define new genetic risk and protective factors for myositis, and is leading a number of studies to identify environmental risk factors for autoimmunity and systemic autoimmune diseases.