

## Curriculum Vitae

*Name:* David Stephen Pisetsky, M.D., Ph.D.

*Date and Place of Birth:* December 6, 1945, Eugene, Oregon

*Citizenship:* United States

*Marital Status:* Married: 1970  
Spouse: Dr. Ingrid Buhler Pisetsky  
Children: Michael Andrew Buhler  
Emily Margot Noll

*Education:*

1967	B.A. <i>magna cum laude</i> , Harvard College, Cambridge, MA
1972	Ph.D. Albert Einstein College of Medicine, Bronx, NY
1973	M.D. Albert Einstein College of Medicine, Bronx, NY

*Brief Chronology of Employment:*

1973-1974	Intern, Medicine, Yale-New Haven Hospital, New Haven, CT
1974-1975	Resident, Medicine, Yale-New Haven Hospital, New Haven, CT
1975-1977	Clinical Associate, Immunology Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD
1977-1978	Investigator, Immunology Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD
1978-2018	Chief, Section of Rheumatology, Durham VA Hospital, Durham, NC
1978-1983	Assistant Professor of Medicine, Duke University Medical Center, Durham, NC
1980-1994	Assistant Professor of Immunology, Duke University Medical Center, Durham, NC
1984-1990	Associate Professor of Medicine, Duke University Medical Center, Durham, NC
1985-1991	Associate Chief of Staff for Education, Durham VA Hospital, Durham, NC
1990-present	Professor of Medicine, Duke University Medical Center, Durham, NC
1993-1998	Co-Director, Duke University Arthritis Center
1994-present	Professor of Immunology, Duke University Medical Center, Durham, NC
1996-2007	Chief, Division of Rheumatology and Immunology, Duke University Medical Center
2019-present	Associate Vice Chair of Academic Affairs, Department of Medicine, Duke University Medical Center, Durham, NC

*Accreditations and Societies:*

1976	Diplomat, American Board of Internal Medicine
1978	American Association of Immunology
1979	American Federation of Clinical Research
1979	American Rheumatism Association
1983	American Society of Clinical Investigation
1991	Association of American Physicians

*Medical Licensure:* North Carolina

*Editorial Boards:* Journal of Immunology, 1984-88  
Arthritis and Rheumatism, 1985-90  
EOS, Journal of Immunology and Immunopharmacology, 1986-  
Section Editor, Journal of Immunology, 1995-2000  
Clinical and Experimental Immunology, 1996-2000  
Clinical Immunology and Immunopathology, 1996-2001  
Yearbook of Rheumatology, 1997-2000  
Modern Rheumatology, 2005-  
Autoimmunity Reviews, 2005-  
Scandinavian Journal of Immunology, 2006-  
Autoantibody Editor, Arthritis Research and Therapy, 2006-  
Associate Editor, Annals of Rheumatic Diseases 2012-  
Member, Editorial Advisory Board, UpToDate 2019-

*Editorship:* Arthritis and Rheumatism, 2000-2005  
Jointandbone.org, 2005-2006  
The Rheumatologist, 2006-2011

*Committees:* Arthritis Foundation Research Grants Review Committee, 1981-83  
Program Committee, ARA Meeting, 1983-88  
Chairman, Cellular Immunology Section, ARA Meeting, 1988  
North Carolina State Arthritis Committee Advisor, 1980-81  
North Carolina Chapter Arthritis Foundation Medical Advisory  
Budget Committee, 1980-81  
VA Merit Review Board, Immunology Section, 1985-88  
Chairman, VA Merit Review Board, Immunology Board, 1987-88  
Member, Arthritis Foundation Fellowship Subcommittee, 1987-90  
Ad Hoc, Member, NIH IMS Study Section, 1988  
Member, NIH IMS Study Section, 1989-1992  
Member, Arthritis Foundation Research Committee, 1989-1995  
Chairman, Arthritis Foundation Fellowship Subcommittee, 1989-90  
Vice Chairman, Arthritis Foundation Research Committee, 1991-1992  
Member, Medical Planning Committee, Arthritis Society of Canada, 1990-92  
Member, Professional Meetings Committee, American College of  
Rheumatology, 1991-1994  
Member, House of Delegates, Arthritis Foundation, 1992-94  
Member, Arthritis Foundation Finance Committee, 1992-1993  
Trustee, Arthritis Foundation, 1992-1994  
Chairman, Arthritis Foundation Research Committee, 1993-1995  
Chairman, NIH SLE SCOR Grant Review, 1993  
Member, Planning Committee, NIAMS Workshop on Chronic Pain,  
Pain Control and Patient Outcomes in Rheumatoid Arthritis and  
Osteoarthritis, 1993  
ACR Council on Research, 1993-95  
ACR Organizational Review Committee, 1994-95  
Member, Arthritis Foundation Financial Development Committee, 1994-95  
Medical Advisor, Arthritis Foundation, 1993-

Medical Advisory Board, *Arthritis Today*, 1995-  
 Co-organizer, CIS Symposium on Autoimmunity, 1995-96  
 Editorial Review Panel, *Time Life Medical*, 1995-96  
 Chairman, ACR Professional Meetings Committee, 1995-97  
 Vice Chairman, Arthritis Foundation Chapter Operations Committee, 1995-96  
 Member, Arthritis Foundation Blue Ribbon Committee on Research, 1996  
 Member, NIAMS Center Group II, 1996-97  
 Invited Participant. American Academy of Microbiology "Scientific  
 Future of Genetic Immunizations", 1996  
 Reviewer, NIAMS Sabbatical Program, 1996  
 Site visit, Laboratory of Immunoregulation CBER, FDA, 1996  
 Board of Directors, American College of Rheumatology, 1996-1999  
 Editorial Board, Arthritis Foundation, 1997-  
 Board of Directors, ACR Research and Education Foundation, 1997-98  
 Chairman, NIH SLE SCOR Review, 1997  
 Member, ACR Blue Ribbon Committee on Academic Rheumatology, 1997-98  
 Molecular Immunology Study Section, Arthritis Foundation, 1997-1998  
 Co-Chairman, NIH RA SCOR Review, 1998  
 Invited Participant, Lupus Summit, 1999  
 Chairman, NIAMS Special Emphasis Panel Meeting, 1999  
 Scientific Executive Committee, Alliance for Lupus Research, 2000-2001  
 Counselor, Clinical Immunology Society, 2000-2001  
 International Advisory Board, European Workshop for Rheumatology Research,  
 2001-2002  
 Organizer, Global Arthritis Research Network Meeting, 2002  
 Chairman, Protocol Evaluation Committee, LCTC, 2004-2005  
 Site Visit Review, Laboratory of Retroviral Research and Laboratory of Immuno-  
 Regulation, SBER, FDA, 2005  
 Site Visit Review, Experimental Immunology Branch, NCI, 2005  
 Committee on Nominations and Appointments, American College Rheumatology,  
 2005-2006  
 Steering Committee, 5<sup>th</sup> GARN Symposium, Vienna, 2005  
 Scientific Committee, European League Against Rheumatism, 2006-  
 Grant Review Committee, Lupus Research Institute, 2006-  
 Grant Review Committee, ALR Pilot Grant Program, 2006-  
 International Evaluation of Center for Gender Medicine, Karolinska Institutet,  
 Sweden, 2007  
 NIH ACTS Study Section Ad Hoc Member, 2008  
 Co-Chair Grant Review Lupus Research Institute, 2007  
 External Advisory Committee, Mary Kirkland Center for Lupus Research, 2009  
 Board of Directors, Lupus Clinical Trial Consortium, 2009-  
 Invited Speaker Bone and Joint Decade Global Network Conference, 2009  
 American College of Rheumatology, Pain Management Task Force, 2009-  
 International Advisory Board, 7<sup>th</sup> International Congress of Autoimmunity, 2010  
 Alliance for Lupus Research Functional Genomic and Molecular Pathways, Grant  
 Review, 2010  
 NIH ACTS Study Section, 2010-2014  
 Invited Participant at NIAMS Roundtable on Pre-Clinical Disease Phase of Skin &  
 Rheumatic Autoimmune Disease, 2010  
 Panel Member for FDA Gastrointestinal Drugs Advisory Committee, 2010  
 Panel Member for FDA Arthritis Drugs Advisory Committee, 2010

Co-Chair, US Bone and Joint Initiative Musculoskeletal Summit, 2011 and 2013  
Vice-President, US Bone and Joint Initiative, 2014-2015  
President, US Bone and Joint Initiative, 2015-2017

*Awards:*

Arthritis Foundation—Devil's Bag Research Award, 1985-88  
Philip Hench Award, 1994  
Finalist, Creative Writing Contest, *Journal of General Internal Medicine*, 1998  
Honorable Mention, Creative Writing Contest, *Journal of General Internal Medicine*, 2000  
GAMMA Silver Award, Magazine Association of Georgia, 2001  
Arthritis Foundation- Lee C. Howley Sr. Prize for Arthritis Research, 2001  
GAMMA Gold Award, Magazine Association of Georgia, 2005  
Bronze Award, American Society of Healthcare Publication Editors, 2010  
Master of American College of Rheumatology, 2011  
APEX Award, Magapaper & Newspaper Writing, 2012  
American College of Rheumatology, Presidential Gold Medal award, 2016

*Lectures:*

Simon Dworkin Lecture, 1994  
Ogryzlo Day Lectureship, 1998  
Erlangen Rheumatology Day Lectureship, 2001  
Merrill Lectureship, Tufts University, 2001  
Christian and Klemperer Lectureships, Hospital for Special Surgery, 2003  
Goldstein Lectureship, NYU, 2004  
Thomas Lectureship, VCU, 2005  
Visiting Professor, Karolinska Institutet, 2006  
Visiting Professor and Hartl Symposium Lecturer, University of Regensburg, 2007  
Visiting Professor, UniversitätsSpital Zürich, 2007  
Knowles Lecture, Arthritis Foundation of North California, 2008  
Wallace Epstein Visiting Professor, University of California, San Francisco, 2009  
Visiting Professor, University of California, San Diego, 2009  
Invited Speaker Bone and Joint Decade Global Network Conference, 2009  
Walter Bauer Visiting Professor, Massachusetts General Hospital, 2010  
Invited Speaker, Anti-dsDNA Antibody Workshop, Norway, 2010  
Visiting Professor, Brown University Medical School, 2010  
Invited Speaker at NIH Pain & Musculoskeletal Disease Disorders Symposium, 2010  
Invited Speaker and Session Chair, 9<sup>th</sup> International Congress on Systemic Lupus Erythematosus, 2010  
Visiting Professor, University of Texas at Houston, 2011  
Visiting Professor, Center for Gender Medicine, Karolinska Insitutet, 2011  
Invited Speaker, University of Tromso, Norway, 2011  
Invited Speaker, ACR Rheumatology Research Conference, 2011  
Invited Speaker, 2012 Autoimmunity Congress, Granada, Spain, 2012  
Invited Speaker, Temple University School of Medicine, Philadelphia, PA, 2012  
Invited Speaker, 4<sup>th</sup> International Forum on RA, Beijing, China, 2012  
Distinguished Lectureship, Florida Hospital, Orlando, FL, 2012  
Invited Speaker, Mayo Clinic Department of Immunology, 2012  
Invited Speaker, University of Pittsburgh Division of Rheumatology, 2012  
Visiting Professor, University of Colorado, 2012

Visiting Professor, Northwestern University, 2012  
Invited Speaker, Advances in Targeted Therapies, France, 2013  
Invited Speaker, 10<sup>th</sup> International Congress on SLE, Argentina, 2013  
Invited Speaker, EULAR, Madrid, 2013  
Invited Speaker, Merinoff World Congress, Feinstein Institute for Medical Research, 2013  
Invited Speaker, American College of Rheumatology, San Diego, CA, 2013  
Invited Speaker, 2013 Semmelweiss Symposium, Budapest, Hungary, 2013  
Invited Speaker for DIA/FDA Oligonucleotide-Based Therapeutic Conference, Washington, DC, 2013  
Visiting Professor, Ohio State University School of Medicine, Ohio, 2013  
Visiting Professor, University of Massachusetts, 2014  
Visiting Professor, University of Virginia, 2014  
David Trentham Visiting Professor in Rheumatology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, 2015.  
Invited Speaker, BJD World Summit, Oslo, Norway, 2015.  
Invited Speaker, Georgia Institute of Technology, 2016  
Kroc Visiting Professor, Washington University, 2016  
Invited Speaker, Peter Schur Symposium, Boston, 2016  
Invited Speaker, Beth Israel Deaconess Medical Center, Boston, 2016  
Invited Speaker, NYU Langone Seminar in Advanced Rheumatology, 2017  
Invited Speaker, Workshop-Autoimmunity to Chromatin, Tromso, Norway, 2017  
Invited Speaker, Lupus Academy, Lisbon, Portugal, 2017  
Invited Speaker/Visiting Professor, 4<sup>th</sup> Annual Graciela S. Alarcon MD, MPH Lecture, University of Alabama, Birmingham, AL, 2017  
Invited Speaker, Washington DC Rheumatology Fellows Forum, 2017  
Invited Speaker, EULAR, Madrid, 2017  
Invited Speaker/Visiting Professor, University of Texas Health Science Center, San Antonio, March 2018  
Invited Speaker/Visiting Professor, Medical University of South Carolina, Charleston, April 2018  
Invited Speaker/Visiting Professor, University of North Carolina, Chapel Hill, April 2018  
Invited Speaker, Association of Medical Laboratory Immunologist, Scottsdale, Arizona, August 2018  
Invited Speaker, American College of Clinical Pharmacology, Bethesda, Maryland, September 2018  
Invited speaker, NIEHS, Research Triangle Park, NC, September 2018  
Invited Speaker, American College of Rheumatology, Aspen, Colorado, February 2019  
Invited Speaker, Congress on Controversies in Rheumatology, Florence, Italy, March 2019  
Invited Speaker, Advances in Targeted Therapies, Palma, Spain, March 2019

*University and Medical Center Committees:*

Faculty Hearing Committee 1992-  
Medical Center Awards Committee, 1997-  
Medical Center APT Committee, 2003-2010  
Standing Committee Scientific Misconduct, 2005-  
Chair, Department of Medicine APT Committee, 2010-

Publications 1972-Present

1. Pisetsky DS, Terry TM. Are mycoplasma membrane proteins affected by variations in membrane fatty acid composition? *Biochem Biophys Acta* 274:95-104, 1972. PMID: 5044067.
2. Abramson MB, Pisetsky DS. Thermal-turbidimetric studies of membranes from *Acholeplasma laidlawii*. *Biochem Biophys Acta* 282:80-84, 1972. PMID: 5070088.
3. Pisetsky DS, Berkower I., Wickner R., Hurwitz J. Role of ATP in DNA synthesis in *Escherichia coli*. *J Mol Biol* 71:557-71, 1972. PMID: 4567466.
4. Sachs DH, Berzofsky JA, Fathman, CG, Pisetsky DS, Schechter AN, Schwartz RH. The immune response to staphylococcal nuclease: a probe of cellular and humoral antigen specific receptors. *Cold Spring Symp Quant Biol* XLI:295-306, 1977. PMID: 70312.
5. Fathman CG, Pisetsky DS, Sachs DH. Genetic control of the immune response to nuclease. V. Genetic linkage and strain distribution of anti-nuclease idiotypes. *J Exp Med* 145:569-77, 1977. PMID: 233902. PMCID: PMC2180713.
6. Pisetsky DS, Sachs DH. The genetic control of the immune response to staphylococcal nuclease. VI. Recombination between genes determining the A/J anti-nuclease idiomorph and the heavy chain allotype locus. *J Exp Med* 146:1603-12, 1977. PMID: 411875. PMCID: PMC2181916.
7. Sachs DH, Berzofsky JA, Pisetsky DS, Schwartz RH. Genetic control of the immune response to staphylococcal nuclease. *Springer Sem Immunopathol* 1:51-83, 1978.
8. Pisetsky DS, Berzofsky JA, Sachs DH. The genetic control of the immune response to staphylococcal nuclease. VII. Role of non-H-2-linked genes in the control of the anti-nuclease antibody response. *J Exp Med* 147:396-408, 1978.
9. Berzofsky JA, Pisetsky DS, Schwartz RH, Schechter AN, Sachs DH. 1978. Genetic control of the immune response to staphylococcal nuclease in mice. In *Immunobiology of Protein and Peptides I*. M.Z. Atassi and A.B. Stavitsky, eds. Plenum Publishing Corp.
10. Pisetsky DS, Sachs DH. The genetic control of the immune response to staphylococcal nuclease. VIII. Mapping of genes for antibodies to different antigenic regions of nuclease. *J Exp Med* 147:1517-25, 1978. PMID: 77307. PMCID: PMC2184273.
11. Pisetsky DS, Riordan SE, Sachs DH. The genetic control of the immune response to staphylococcal nuclease. IX. Recombination between genes determining BALB/c antinuclease idiotypes and the heavy chain allotype locus. *J Immunol* 122:842-46, 1979. PMID: 109505.

12. Pisetsky DS, McCarty GA, Peters DV. Mechanisms of autoantibody production in autoimmune MRL mice. *J Exp Med* 152:1302-10, 1980. PMID: 7430950. PMCID: PMC2185992.
13. Pisetsky DS, Peters DV. A simple enzyme-linked immunosorbent assay for antibodies to native DNA. *J Immunol Methods* 41:187-200, 1981. PMID: 7021686.
14. Santoro TJ, Scott DW, Pisetsky DS. The induction of tolerance and suppression in autoimmune MRL mice using hapten-modified self. *J Immunol* 127:690-93, 1981. PMID: 7252156.
15. Berzofsky JA, Pisetsky DS, Killion DJ, Hicks G, Sachs DH. Ir genes of different high responder haplotypes for staphylococcal nuclease are not allelic. *J Immunol* 127:2453-55, 1981. PMID: 6795275.
16. McCarty GA, Rice JR, Fetter BF, Pisetsky DS. Lymphocytic lymphoma and systemic lupus erythematosus. Their coexistence with antibody to the Sm antigen. *Arch Pathol Lab Med* 106:196-99, 1982. PMID: 6175291.
17. Pisetsky DS, Caster SA. Binding specificity of a monoclonal anti-DNA antibody. *Mol Immunol* 19:645-50, 1982. PMID: 7110140.
18. Pisetsky DS, Caster SA, Roths JB, Murphy ED. Lpr gene control of the anti-DNA antibody response. *J Immunol* 128:2322-25, 1982. PMID: 6801136.
19. McCarty GA, Bembe MB, Rice JR, Pisetsky DS. Independent expression of autoantibodies in systemic lupus erythematosus. *J Rheumatol* 9:691-95, 1982. PMID: 6983576.
20. Pisetsky DS, Lerner EA. Idiotypic analysis of a monoclonal anti-Sm antibody. *J Immunol* 129:1489-92, 1982. PMID: 6180012.
21. Pisetsky DS, Caster SA. B cell repertoire for autoantibodies: Frequency of precursors for anti-DNA antibodies. *Cell Immunol* 72:294-305, 1982. PMID: 6983913.
22. Pisetsky DS, Rice JR. 1982. Clinical Immunology and Rheumatology. In *Review of Internal Medicine*. L.H. Smith, Jr. and J.B. Wyngarrden, eds. 2nd Ed., W.B. Saunders Co, Philadelphia, 241-258.
23. Pisetsky DS. Specificity and idiotype analysis of a monoclonal anti-DNA antibody. *Clin Immunol Immunopathol* 27:348-56, 1983. PMID: 6191903.
24. Pisetsky DS, Lerner EA, Caster SA. Idiotypic crossreaction between MRL autoantibodies and a BALB/c myeloma. *Mol Immunol* 70:615-21, 1983. PMID: 6877245.
25. Pisetsky DS, Caster SA, Steinberg AD. Influence of *xid* on anti-DNA precursors. *Cell Immunol* 78:326-32, 1983. PMID: 6602656.
26. Pisetsky DS. 1983. Murine hybridomas producing autoantibodies from MRL mice. In *Autoimmunity probed by monoclonal antibodies*. G.S. Eisenbarth and B. F. Haynes, eds. Academic Press 153-72.

27. Pisetsky DS. Treatment of arthritis in the elderly. *Drug Therapy* 13:47-56, 1983.
28. Pisetsky DS, Caster SA, Piper M, Scott DS, Steinberg AD. Cloning of B cells from autoimmune MRL mice. *Cell Immunol* 84:32-40, 1984. PMID: 6607779.
29. Warren RW, Roths JB, Murphy ED, Pisetsky DS. Mechanisms of polyclonal B cell activation in autoimmune B6-*lpr/lpr* mice. *Cell Immunol* 84:22-31, 1984. PMID: 6199122.
30. Pisetsky DS, Caster SA. Idiotypic crossreaction between MRL monoclonal antibodies of different autoantibody specificity. *Clin Immunol Immunopath* 30:461-68, 1984. PMID: 6199145.
31. Warren RW, Caster SA, Roths JB, Murphy ED, Pisetsky DS. The influence of the *lpr* gene on B cell activation: differential antibody expression in *lpr* congenic mouse strains. *Clin Immunol Immunopath* 31:65-77, 1984. PMID: 6607806.
32. Warren RW, Sailstad DM, Caster SA, Pisetsky DS. Specificity analysis of monoclonal anti-DNA antibodies from B6-*lpr/lpr* mice. *Arthritis Rheum* 27:545-51, 1984. PMID: 6721887.
33. Pisetsky DS, Sailstad DM, Chambers J. Characterization and idiotypic analysis of a monoclonal anti-RNP antibody. *Clin Exp Immunol* 56:593-600, 1984. PMID: 6744662. PMCID: PMC1536011.
34. Warren RW, Pisetsky DS. Monoclonal rheumatoid factors from B6-*lpr/lpr* mice. *Clin Exp Immunol* 58:731-36, 1984. PMID: 6509801.
35. Pisetsky DS, Semper KF, Eisenberg RA. Idiotypic analysis of a monoclonal anti-Sm antibody II. Strain distribution of a common idiotypic determinant and its relationship to anti-Sm expression. *J Immunol* 133:2085-89, 1984. PMID: 6206150.
36. Pisetsky DS, Semper KF. The influence of assay conditions on ELISA determinations of anti-DNA antibodies. *J Immunol Methods* 74:217-27, 1984. PMID: 6209337.
37. Pisetsky DS, Henderson A, Hudson N, Velez R. Remittive care for rheumatoid arthritis in the V.A.: Challenges and problems. *VA Practitioner* 1 46-9, 1984.
38. Pisetsky DS. Hybridoma SLE autoantibodies: Insights for the pathogenesis of autoimmune disease. *Clin Immunol Rev* 3:169-239, 1984. PMID: 6084573.
39. Mayus JL, Pisetsky DS. Expression of a highly conserved anti-DNA idotype in normal and autoimmune mice. *Clin Immunol Immunopathol* 34:366-78, 1985. PMID: 2578910.
40. Monroe JG, Cambier JC, Mody EA, Pisetsky DS. Hyper-Ia antigen expression on B cells from B6-*lpr/lpr* mice correlates with manifestations of the autoimmune state. *Clin Immunol Immunopath* 34:124-29, 1985. PMID: 2578910.



41. Eisenberg RA, Pisetsky DS, Cohen PL. Antinuclear antibodies and nuclear antigens in NZB myeloma ascitic fluids. *Clin Immunol Immunopathol* 35:337-45, 1985. PMID: 3872756.
42. Jones FS, Pisetsky DS, Kurlander RJ. Defects in mononuclear phagocytic system (MPS) function in autoimmune MRL-*lpr/lpr* mice. *Clin Immunol Immunopathol* 36:30-9, 1985. PMID: 3874027.
43. Mayus JL, Semper KF, Pisetsky DS. Inhibition of *in vitro* anti-DNA B cell responses by cyclosporine. *Cell Immunol* 94:195-204, 1985. PMID: 3874703.
44. Pisetsky DS, Klatt C, Dawson D, Roths JB. The influence of *Yaa* on anti-DNA responses of B6-*lpr* mice. *Clin Immunol Immunopathol* 37:369-76, 1985. PMID: 3931946.
45. Pisetsky DS, Hoch SO, Klatt CL, O'Donnell MA, Keene JD. Specificity and idiotypic relationships of a monoclonal anti-Sm antibody with anti-DNA activity. *J Immunol* 135:4080-85, 1985. PMID: 3877763.
46. Cohen PL, Shores EW, Eisenberg RA, Pisetsky DS. Anti-Sm autoantibodies in MRL mice: Analysis of precursors. *Cell Immunol* 96:448-54, 1985. PMID: 3879807.
47. Pisetsky DS. Systemic lupus erythematosus. *Med Clin N America* 70:337-53, 1986. PMID: 3512930.
48. Pisetsky DS, Haughton G. Cyclosporine inhibition of a murine B cell tumor. *Clin Exp Immunol* 63:549-554, 1986. PMID: 3486733. PMCID: PMC1577546.
49. Jones FS, Pisetsky DS, Kurlander RJ. Clearance of a monoclonal anti-DNA antibody following administration of DNA in normal and autoimmune mice. *Clin. Immunol Immunopathol* 39:44-60, 1986. PMID: 3948437.
50. Lucas KJ, Karounos DG, Ellis GJ, Morris MA, Pisetsky DS, Feinglos MN. The intravenous insulin tolerance test in Type I diabetes. *Res Comm Chem Path Pharm* 53:331-45, 1986. PMID: 3534980.
51. Pisetsky DS, O'Donnell MA. 1986 Idiotypic analysis of murine monoclonal anti-Sm antibodies. In *Idiotypes*. M. Reichlin and J.D. Capra, eds. Academic Press 289-300.
52. Emlen, W, Pisetsky DS, Taylor RP. Antibodies to DNA: a perspective. *Arthritis Rheum* 29:1417-26, 1986. PMID: 3541943.
53. Pisetsky DS. 1986 The influence of cyclosporine on murine anti-DNA B cells. In *Biologically Based Immunomodulators in the Therapy of Rheumatic Diseases*. S.H. Pincus, D.S. Pisetsky and L.J. Rosenwasser, eds. Elsevier 153-59.
54. Pisetsky DS. Prospects for antibody therapy of rheumatologic disease. *Ibid.* 171-6, 1986.
55. Monestier M, Manheimer-Lory A, Bellon B, Painter C, Dang H, Talal N, Zanetti M, Schwartz R, Pisetsky DS, Kuppers R, Rose N, Brochier J, Klareskog L, Holmdahl R,

- Erlanger B, Alt F, Bona C. Shared idiotypes and restricted VH genes characterize murine autoantibodies of various specificities. *J Clin Invest* 78:753-59, 1986. PMID: 2427543. PMCID: PMC423668.
56. Darwin BS, Grudier JP, Klatt CL, Pisetsky DS. IgG antinuclear autoantibodies with crossreactive rheumatoid factor activity. *J Immunol* 137:3796-3801, 1986. PMID: 3782796.
57. Karounos DG, Pisetsky DS. Specificity analysis of monoclonal anti-DNA antibodies. *Immunol* 60:497-501, 1987. PMID: 3495481. PMCID: PMC1453275.
58. Pisetsky DS. Mechanisms of autoantibody production. *EOS* 7:53-9, 1987.
59. Gorelick MH, Bishop GA, Haughton G, Pisetsky DS. Cyclosporine inhibition of CH series murine B cell lymphomas. *Cell Immunol* 107:219-26, 1987. PMID: 3495347.
60. Pisetsky DS, Klatt C, Pincus S. Characterization of monoclonal antibodies with specificity for DNA and the synthetic polypeptide antigen (T,G)-A--L. *Mol Immunol* 24:365-69, 1987. PMID: 3498882.
61. Dang-Vu AP, Pisetsky DS, Weinberg JB. Functional alterations of macrophages in autoimmune MRL-*lpr/lpr* mice. *J Immunol* 138:1757-61, 1987. PMID: 3102599.
62. Laster AJ, Pisetsky DS, Haynes BF. Polyspecific reactivity of a murine monoclonal antibody that binds to nuclear matrix-associated, chromatin-bound antigens. *Clin Immunol Immunopathol* 44:187-205, 1987. PMID: 3301102.
63. Dresser M, Pisetsky DS, Warren R, McCarty G, Moses M. A new method for the cytological analysis of autoantibody specificities using whole-mount, surface-spread meiotic nuclei. *J Immunol Meth* 104:111-21, 1987. PMID: 3316391.
64. Shlomchik MJ, Aucoin AH, Pisetsky DS, Weigert MG. The structure and function of anti-DNA autoantibodies derived from a single autoimmune mouse. *Proc Natl Acad Sci U S A* 84:9150-54, 1987. PMID: 3480535. PMCID: PMC299710.
65. Pisetsky DS. Mechanisms of antinuclear antibody production in the rheumatic diseases. *Rheum Dis Clin N Amer* 13:569-81, 1987. PMID: 3324206.
66. Pisetsky DS. Inhibition of *in vitro* NZB antibody responses by cyclosporine. *Clin Exp Immunol* 71:155-58, 1988. PMID: 3258202. PMCID: PMC1541629.
67. Karounos DG, Grudier JP, Pisetsky DS. Spontaneous expression of antibodies to DNA of various species origin in sera of normals and patients with SLE. *J Immunol* 140:451-55, 1988. PMID: 3257238.
68. Shores EW, Pisetsky DS, Grudier JP, Eisenberg RA, Cohen PL. Immunization with the Sm nuclear antigen induces anti-Sm antibodies in normal and MRL mice. *Immunol* 65:473-78, 1988. PMID: 3264813. PMCID: PMC1385489.

69. Shergy WJ, Polisson RP, Caldwell DS, Rice JR, Pisetsky DS, Allen NB. Methotrexate-associated hepatotoxicity: Retrospective analysis of 210 patients with rheumatoid arthritis. *Am J Med* 85:771-74, 1988. PMID: 3195601.
70. St. Clair EW, Pisetsky DS, Reich CF, Chambers JC, Keene JD. Quantitative immunoassay of anti-La antibodies using purified recombinant La antigen. *Arthritis Rheum* 31:506-14, 1988. PMID: 3128988.
71. Pisetsky DS. Mechanisms of anti-DNA production in human and murine SLE. *In Vivo* 2:31-4, 1988. PMID: 2979813.
72. Shergy WJ, Kredich DW, Pisetsky DS. The relationship of anticardiolipin antibodies to disease manifestations in pediatric systemic lupus erythematosus. *J Rheum* 15:1389-94, 1988. PMID: 3264338.
73. St. Clair EW, Pisetsky DS, Reich CF, Keene JD. Analysis of autoantibody binding to different regions of the human La antigen expressed in recombinant fusion proteins. *J Immunol* 141:4173-80, 1988. PMID: 2461985.
74. Pisetsky DS. The role of anti-DNA antibodies in systemic lupus erythematosus. *Clin Aspects Autoimmun* 2:8-15, 1988.
75. Gilkeson GS, Grudier JP, Karounos DG, Pisetsky DS. Induction of anti-dsDNA antibodies in normal mice by immunization with bacterial DNA. *J Immunol* 142:1482-86, 1989. PMID: 2645362.
76. Gilkeson GS, Grudier JP, Pisetsky DS. The antibody response of normal mice to immunization with single-stranded DNA of various species origin. *Clin Immunol Immunopathol* 51:362-71, 1989. PMID: 2785884.
77. Ward MM, Pisetsky DS, Christenson VD. Anti-double stranded DNA antibody assays in systemic lupus erythematosus: correlations of longitudinal antibody measurements. *J Rheum* 16:609-613, 1989. PMID: 2666655.
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 Sponsor: NIH – 5T32AI007217  
 Dates: 1982 - present  
 Award: N/A

2. Title: SCOR in Rheumatoid Arthritis: Small Molecule Inhibitors in RA  
Sponsor: NIH – 5P50AR39162  
Dates: 09/01/1998 – 08/31/2003  
Award: \$1,134,882
3. Title: Genetic Analysis of Rheumatoid Arthritis Sibling Pairs  
Sponsor: North Shore University Hospital Agreement  
Dates: 09/01/1998 – 10/31/2000  
Award: 143,811
4. Title: Mechanisms of Anti-DNA Production in Autoimmune Mice  
Sponsor: VA Merit Review Grant  
Dates: 04/01/1999 – 03/31/2002  
Award: \$324,191
5. Title: Target Identification in Lupus  
Sponsor: Arthritis Foundation Biomedical Science  
Dates: 07/01/1999 – 06/30/2002  
Award: \$245,000
6. Title: Mechanisms of Anti-DNA Production in Autoimmune Mice  
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Dates: 09/30/2000 – 09/29/2001  
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7. Title: Immune Modulation by DNA in SLE  
Sponsor: Arthritis Foundation Grant  
Dates: 02/01/2001 – 06/30/2004  
Award: \$490,880
8. Title: The Immunomodulatory Effects of DNA in SLE  
Sponsor: NIH – 5R01AI044808  
Dates: 04/15/2001 – 3/31/2007  
Award: \$1,289,345
9. Title: Mechanisms of Anti-DNA Production in SLE  
Sponsor: VA Merit Review Grant  
Dates: 04/01/2002 – 03/31/2005  
Award: \$402,600
10. Title: Strategies for Evaluating and Treating Early Synovitis  
Sponsor: NIH – 5R21AR050880  
Dates: 09/25/2003 – 06/30/2006  
Award: \$86,760
11. Title: Prospective Registry to Study the Course of SLE in Patients  
Sponsor: Lupus Clinical Trials Consortium Agreement  
Dates: 01/01/2004 – 12/31/2008  
Award: \$430,670

12. Title: The Role of HMGB1 in the Pathogenesis of SLE  
Sponsor: Lupus Research Institute Grant  
Dates: 04/01/2004 – 03/31/2009  
Award: \$229,112
13. Title: Nitric Oxide, Oxygen and Mechanical Stress in Cartilage  
Sponsor: NIH – 5R01AR049790  
Dates: 08/01/2004 – 07/31/2009  
Award: \$197,909
14. Title: Planning an Early RA Prevention Trial  
Sponsor: NIH – 1R34AR052465  
Dates: 08/01/2005 – 07/31/2006  
Award: \$29,865
15. Title: Microparticles in the Pathogenesis of SLE  
Sponsor: Lupus Foundation of America Grant  
Dates: 10/01/2007 – 09/30/2009  
Award: \$60,000
16. Title: Mechanisms of Autoimmunity in SLE  
Sponsor: VA Merit Review Grant  
Dates: 10/01/2007 – 09/30/2010  
Award: \$460,000
17. Title: Biomechanics and Inflammation in Cartilage  
Sponsor: NIH – 5P01AR050245  
Dates: 09/01/2008 – 08/31/2013  
Award: \$511,676
18. Title: Idera/Duke Research Agreement  
Sponsor: Idera Pharmaceuticals  
Dates: 10/01/2008 – 09/31/2012  
Award: \$60,000
19. Title: Immune Tolerance Network: Start Up Phase for Study Initiation  
Sponsor: UCSF Agreement  
Dates: 02/01/2009 – 12/31/2009  
Award: \$15,610
20. Title: The Role of Microparticles in the Pathogenesis of SLE  
Sponsor: Alliance for Lupus Research  
Dates: 02/01/2009 – 01/31/2010  
Award: \$121,099
21. Title: Microparticles as a Source of Nuclear Antigens in SLE  
Sponsor: NIH – 5R21AI082402  
Dates: 05/22/2009 – 03/31/2012  
Award: \$353,375

22. Title: The Role of Sex in Self-Antigen Generation in SLE  
Sponsor: NIH – 5R21AI083923  
Dates: 07/17/2009 – 6/30/2012  
Award: \$353,375
23. Title: Kirkland Scholar Award  
Sponsor: Hospital for Special Surgery  
Dates: 07/01/2010 – 06/30/2013  
Award: \$180,000
24. Title: Pilot Study: Nucleic Acid Binding Polymers as a Novel Therapy for Autoimmune Disease  
Sponsor: Autoimmune Center for Excellence  
Date: 05/01/2011 – 04/30/2014  
Award: \$275,000
25. Title: Mechanisms of Autoimmunity in SLE  
Sponsor: VA Merit Review Grant  
Dates: 07/01/2011 – 06/30/2015  
Award: \$600,000
26. Title: Nucleic Acid Binding Polymers in the Treatment for SLE  
Sponsor: Alliance for Lupus Research Grant  
Dates: 08/01/2011 – 07/31/2014  
Award: \$552,459
27. Title: Nucleic Acid Binding Polymers as Anti-Inflammatory Agents  
Sponsor: NIH – 1R56AI093960  
Dates: 09/01/2011 – 08/31/2012  
Award: \$250,000
28. Title: Obesity, Biomechanics and Inflammation in Osteoarthritis  
Sponsor: NIH – 1R01AG046927  
Dates: 09/30/13 – 07/31/18  
Award: \$317,416