

**Curriculum vitae**

**David William Scott, Ph.D.**

Professor of Surgery and of Microbiology and Immunology  
Associate Director, Center for Vascular and Inflammatory Diseases  
University of Maryland School of Medicine

*Formerly:*

Head, Immunology Department, Holland Lab  
Professor of Immunology and Chair, George Washington University

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websites: <http://microbiology.umaryland.edu/faculty/default.asp?ID=137>  
<http://mmp.planetary.org/scien/scott/scott70.htm>

**Education:**

Antioch College, Yellow Springs, Ohio, 45387  
September, 1960-September, 1963. Major: Biology  
(Left after three years without degree to begin graduate work).

University of Chicago, Chicago, Illinois, 60637  
September, 1963-December, 1964, M.S., Microbiology

Yale University, New Haven, Connecticut, 06510  
January, 1965-October, 1968. Ph.D. Microbiology, June, 1969

**Post-graduate Education:**

Yale University, Department of Pathology, January-July 1969  
Oxford University (England), Sir William Dunn School of Pathology,  
September, 1969-December, 1970, *Jane Coffin Childs Fellowship*

**Employment History:**

Duke University Medical Center, Department of Microbiology and Immunology  
Assistant Professor of Immunology, January 1971-October 1974.  
Associate Professor of Immunology, November 1974-February 1979 (*Tenured*)  
*Research Career Development Awardee*, N.I.H., May, 1975-May, 1980  
Member, Comprehensive Cancer Center, August, 1977-1983  
Professor of Immunology, March, 1979-July 1983  
Director, Immunology Study Program, 1981-1983

University of Rochester, Cancer Center and Department of Microbiology and Immunology.  
Dean's Professor of Immunology and Head, Immunology Unit, July 1983-November 1989  
Associate Director Cancer Center and Director, Immunology and Immunotherapy Division,  
November 1989-March 1994

Holland Laboratory of the American Red Cross  
Head, Immunology Department, April 1994-2004

Georgetown University  
Adjunct Professor of Microbiology and Immunology, 1996-2004

George Washington University  
Professor of Microbiology & Immunology, Professor of Anatomy and Cell Biology, 1996-2000  
Director, Immunology Program, G.W.I.B.S., 1999-2001  
Chair and Professor, Department of Immunology, 2000-2004

University of Maryland School of Medicine  
Professor of Surgery and Professor of Microbiology and Immunology, 2004-present  
Associate Director (Graduate Education), Center for Vascular & Inflammatory Diseases

**Examples of Administrative Experience** (listed separately below):

- **Head, Department of Immunology, Holland Laboratory for the Biomedical Sciences, American Red Cross (1994-2004):** Recruitment and development of junior faculty; Department had a maximum of 7 faculty with over \$2M in grants. Steering committee for the George Washington University Institute of Biomedical Sciences (1994). Remodeled new interactive Immunology labs under budget and fiscal constraints.
- **Chair, Department of Immunology, George Washington University School of Medicine (2000-2004):** First chair of newly established basic science department at GW. Recruited two new junior faculty on tenure track, as well as research track faculty and integrated faculty from Holland Lab into department. Co-organized medical school immunology course. Completed renovation of labs for new faculty with significant budget constraints.
- **"Institute without Walls" Committee, George Washington University Institute of Biomedical Sciences (1994-1996):** Operations Committee. Represented Holland Laboratory in structuring new Institute of Biomedical Sciences of George Washington (GWIBS) University, a new "institute without walls", which partners GW's Medical School, the Columbian Graduate School, the Children's Hospital Research Institute and the Holland Lab of the Red Cross for graduate training and interdisciplinary research. Served on the GWIBS Executive and Operating Committees.
- **Director, Immunology Program, G.W.I.B.S. (1999-2001):** Designed and developed new Ph.D. training program in Immunology as part of G.W.I.B.S. Three students joined in year 1.
- **Director, Immunology and Immunotherapy Division, University of Rochester Cancer Center (1983-1994):** Recruited and supervised development of junior faculty; successfully secured construction grant for new Immunology wing and new Microbiology development space; obtained first Immunology Training Grant at the University of Rochester (now renewed). Overall direct costs (extramural grants) budget ~ \$1.6 million annually for six primary faculty.
- **Appointed Director, Immunology, Allergic and Immunologic Diseases Program, National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (1988):** Responsibilities included planning of overall direction of NIAID funding priorities; developed guidelines for increased funding of basic immunology via AIDS program. *Returned to University of Rochester after three months due to family illness.*
- **Director of Graduate Studies, U. of Rochester Dept. of Microbiology and Immunology:** Revised graduate handbook for departmental study programs; chaired graduate admissions and Ph.D. qualifying examinations. Chaired numerous university-wide Ph.D. examination committees and served on the Executive Committee for the M.D.-Ph.D. program (two three-year terms).
- **Executive Committee, U. of Rochester Cancer Center:** Review of programs, budget and CORE grant for Cancer Center; review of faculty promotions for Cancer Center (and Microbiol. Dept.).
- **Dean's Committee on Graduate Education:** Select committee of senior, recently recruited U. of Rochester faculty, who reviewed all graduate programs and produced a policy statement for the Dean for action. Elected to the University Committee on Tenure and Privileges.
- **Education Committees, AAI, FASEB and ASM:** As member and subsequent *chairs* of these national committees for 14 yr, organized summer courses and established liaison leading to the formation of the Coalition for Education in Life Sciences, whose goal is to provide an umbrella to promote life science education in grades K-16 through the national societies. Devised programs to bring secondary science teachers to labs in summers and ran Student Science Days at national meetings. (*see Honors*)
- **Rochester Alliance Promoting Science (RAPS):** Co-founded University-wide alliance with local schools and industry. RAPS provides programs for pre-college education in Rochester and surrounding area. Designed the Saturday Morning Lecture series and mentoring program for children beginning in 5th grade, a Teacher-for-a-Day Contest and providing teacher-scientist advisory relationships.
- **American Cancer Society, MS Society and NIH:** Reviewer of grants during past 25 years. Chaired the Immunology and Immunotherapy Advisory Committee of the ACS, which reviewed ~ 100 grants each cycle. Served on and chaired numerous Site Visit teams for the NIH. Organized workshops on grantsmanship at FASEB and other national meetings with participation by NIH, NSF and ACS staff.
- **Director of 3rd Year Research for Medical Students:** Chaired committee overseeing year of independent research for Duke medical students (late 1970's).

**Other Professional Appointments:**

- Visiting scientist, University of Alberta, Department of Immunology, Edmonton, Alberta, Canada, June-August, 1975  
*Eleanor Roosevelt Fellow of International Union Against Cancer*,  
Sabbatical from Duke University, at Walter and Eliza Hall Institute, Melbourne, Australia, August, 1976-August, 1977 (Dr. G.J.V. Nossal)  
Visiting scientist, Scripps Clinic & Research Foundation, La Jolla, California, June-August, 1981  
Visiting scientist, Basel Institute for Immunology, Basel, Switzerland, June-August, 1983  
*Eleanor Roosevelt Fellow of the International Union Against Cancer*,  
Sabbatical from University of Rochester, at National Institute for Medical Research, London, May, 1986-December 1986  
Acting Director, Immunology, Allergic and Immunologic Diseases Program, NIAID, National Institutes of Health, July-September, 1988  
Visiting scientist, Lineberger Cancer Center, UNC, July-August, 1991  
Visiting scientist, Max-Planck Institute für Immunobiologie, Freiburg, Germany June-August, 1993  
Distinguished Visiting Professor, *Boerhaave Chair*, Leiden Univ. Medical Center, April-May 2006.

**Professional Memberships:**

- Sigma Xi (1966)  
New York Academy of Sciences; American Association for the Advancement of Science  
The British Society for Immunology (1970)  
American Association of Immunologists (1973)  
American Society for Experimental Pathology (1974)  
American Society for Microbiology (1990)  
American Society for Hematology (2001)  
Transplantation Society (2001)  
International Society for Thrombosis and Hemostasis (2004)

**Honors and Awards:**

- Jane Coffin Childs Post-doctoral Fellowship* (Oxford)  
*Research Career Development Award*, N.I.H., 1975-1980  
*Dean's Professorship* (Endowed Chair, University of Rochester), 1983-1994  
*Eleanor Roosevelt IUIC Fellow* (twice), 1976 and 1986.  
*William Pyle Philips Visiting Professor*, Haverford College, 1990  
*University Visiting Professor*, Lehigh University, 1996  
*Visiting Professor*, Medical College of Wisconsin, 2001.  
*Distinguished Service Award*, American Association of Immunologists, April, 2004  
*Boerhaave Professor*, Leiden University Medical School, The Netherlands (April-May 2006)

**Professional Service:**

National:

- Section Editor, 1993-2000; Associate Editor, Journal of Immunology, 1980-1984;  
Editorial Board, Cellular Immunology, 1994-  
Editorial Board, Cancer Immunol. and Immunotherapy, 1985-1990  
Education Committee, American Association of Immunologists, 1980-1990  
*Chairman*, AAI Education Committee, 1981-1984; reappointed, 1993  
Member, FASEB Education Committee, 1981-1990; *Chairman*, 1987-1990  
Member, IUIS Education Committee, 1986-1990  
Member, Board of Education and Technology, American Society for Microbiology, 1990-1994  
*Chairman*, Pre-college Education Committee, ASM, 1990-1994  
Review committee, Pre-college Education Initiative, Howard Hughes Medical Institute, 1993-1994.  
NIH Review panels: Member, Exptl. Therapeutics, NIH, 1982; *Chairman*, National Cancer Institute Site Visit team (Program Projects), 1990, 1991; NCI Site Visitor, 1996, 1998; Immunobiology Study Section, 1989, 1995, 1997, 1998; AIDS Research Committee (ARR-1), 1990; Site visit team member (NIDDK), 1991, 1992, 2001-2003; Ad hoc grant review (Mucosal immunity and oral

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tolerance), 1993; *Chairman*, NIAID/NIDDK Cooperative Grants Review in Autoimmunity, 2001; Immunological Sciences, 2004; Hypersensitivity, Autoimmune, and Immune-mediated Diseases Study Section 2005, 2006; 2007; Transplantation, Tolerance and Tumor Immunology Study Section, 2005, 2006.

National Multiple Sclerosis Society, Scientific Peer Review Committee B, Member 2006-Member, American Cancer Society, Scientific Advisory Committee on Immunology and Immunotherapy, 1982-1986, Vice-chairman, 1984; *Chairman*, 1985-1986; Council, 9/90. Member, NSF Advisory Panel for Cellular Physiology, May 1988  
Member, Advisory Committee, Ernest Witebsky Center of Immunology, Buffalo, 1990-1994  
*Chairman*, American Association of Immunologists Travel Awards Committee, 1991.  
Council member, Midwinter Conference of Immunologists, 1997-present.  
Scientific Advisory Board, CMVB, Katholic University, Leuven, Belgium, 2003; 2007.

Community Service:

*Co-Director*, Rochester Alliance Promoting Science, 1990-1994  
Member, Planning Committee, Rochester City Schools' Partnership for Minority Science Achievement (NSF-funded program), 1992-1994  
Board Member, Triangle Coalition for Science and Technology Education, 1994-1997.

Teaching and Institutional Service:

Duke University-

Primarily responsible (1971-1979) for Microbiology 291, Basic Immunology, given to all graduate students in Microbiology/Immunology.  
MIC 201 1st year Med. Micro., co-director with Dr. J. R. Dawson, 1980-1983.  
MIC330 Medical Immunology, a 3rd year medical elective course.  
*Director, Immunology Study Program for 3rd year med. students (1979-1983)*

University of Rochester-

Medical Microbiology MBI 510 (second year medical students), 1983-1994  
Immunology MBI 473 and MBI 474 (Basic immunology and advanced co-seminar for graduate and undergraduate students), 1984-1988  
Advanced Immunology Seminar, MBI 540 (B cells) 1988, 1992  
M.D.-Ph.D. (MSTP) Advisory Committee, 1986-1994. Selection Subcommittee, 1986-1989  
*Director of Graduate Studies and Admissions, Dept of Microbiol. and Immunology, 1990-1991*  
*Chairman, Promotions and Tenure Committee, Microbiology and Immunology, 1992-1994*  
*University Senate Subcommittee on Academic Affairs, 1992-1994*  
*University Committee on Tenure and Privileges, 1993-1994*

Holland Laboratory and George Washington University-

*Committee for the Study and Recommendation for the Institute Without Walls (IBS), 1994-1996.*  
*Graduate Student Operating Committee, 1996-1999*  
*Vivarium and Seminar Committees, 1995-1999*  
*Director, Immunology Program, G.W.I.B.S., 1999-2001.*  
Teaching in CORE Immunology (213); Molecular Imm. (230) and Medical Immunol.(2001-2004)

**Supervision of Graduate Students (and their current position):**

**\*=M.D.-Ph.D**

*Duke:*

- A. Chauvenet, Ph.D., 1974, "A Mitogen Model for Immunologic Unresponsiveness" (Prof. Pediatrics, Bowman-Grey Medical School)
- E. Greeley, Ph.D., 1974, "Receptors for Antigen on Lymphoid Cells: A Study of the Nature of Antigen Recognition by Plaque-forming Cells" (Res. Prof., Vet. School, U. Illinois)
- A. Sanfilippo\* Ph.D., 1975, "Study of the Effects of Carrier Specific Helper T Cell Tolerance" (Dean, Ohio State Medical School)
- C. Long, Ph.D., 1976, "A Study of the Role of Isologous Lymphocytes as Carriers for Hapten-Specific Tolerance and Immunity" (Ortho Clinical Trials)
- R.R. Bollinger, M.D., Ph.D., 1977, "Model Systems of Tolerance: A Study of the Immunological Properties of Isolated Histocompatibility Antigens" (Prof. Surgery, Duke)

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- J. R. Thistlethwaite\* Ph.D. (co-advisor with D. B. Amos) 1977, "A Study of Naturally Occurring Thymocytolytic Autoantibodies in the Rat as a Model for Immunological Self Recognition in Normal Animals" (Prof. Surgery, U. Chicago)
- M. L. Cohn, Ph.D., 1979, "Analysis of Tolerance in Lymphoid Precursors" (*J. Immunology* staff)
- J.T.C. Li\* Ph.D., 1980, "Role of Self-Carriers in the in Vitro Tolerance and Suppression" (Prof. Med., Mayo Medical School)
- S. J. Anderson\* Ph.D., 1981, "Cloned Hapten-specific B-cell Hybrids and Tumor Lines" (private practice)
- M. Piper, Ph.D., 1982, "Role of Cell Surface Isotypes in Triggering & Tolerance" (Scientist, Smith-Kline)
- M. Ling\* Ph.D., 1984, "NBL, A Lymphoma Model for B-cell Activation" (Prof. Emory Med. School)
- J. P. Cogswell, Ph.D., 1986, "Accessory Cell Antigen Presentation" (Scientist, Glaxo)

*Rochester:*

- J. Chace, Ph.D., 1988, "Functional Defects in Tolerant B Cells" (U. Iowa, Res. Assoc.)
- L-B. Liou, Ph.D., 1994. "Regulation and Properties of Murine CD5 B Cells" (Rheumatol., Med. School, Taiwan)
- L. Joseph\*, Ph.D., 1994. "Role of Tyrosine Phosphorylation and the Retinoblastoma Gene Product in Anti-IgM Regulation of B-lymphoma Growth" (Fellow, Harvard)
- I. Zambidis\*, Ph.D., 1996. "A Novel Transgenic Model for Tolerance" (Assistant Professor, Johns Hopkins Kimmel Cancer Center)

*George Washington:*

- D. Donjerkovic, Ph.D., 1999. "Role of p27 in cell cycle control and apoptosis" (Novartis Pharmaceuticals)
- J. Hinshaw, Ph.D., 2003. "Induced Fas-resistance in B-lymphoma cell lines (U. Vermont, Post-doc)
- M. Litzinger, Ph.D., 2004. "Mechanism of tolerance induced via gene therapy", 1999-2004 (Post-doc, NCI, NIH)
- Yan Su, "Gene therapy delivered via bone marrow-derived cells", 2003-2007 (PhD expected 8/07)

*University of Maryland:*

- Jonathan Skupsky\*, "Gene and protein therapy for hemophilia inhibitor formation", 2005-

**Post-doctoral Fellows:** (current or last known address)

- Dr. E. P. Ornellas, 1972-1974 (VA Hosp., Mass.)
- Dr. E. Greeley, 1975-1977 (Univ. Illinois Sch. Vet. Med.)
- Dr. M. Venkataraman, 1975-1979 (Mt. Sinai Hosp., Rush Med. School)
- Dr. J. J. Jandinski, 1977-1979 (New Jersey Medical School)
- Dr. Eric Ceithaml, 1978-1979 (Private practice)
- Dr. P. Subramonia Pillai, 1979-1983 (Praxis Biologicals and Univ. Rochester)
- Dr. Dena Toffaletti, 1979-1981 (Duke Med. Center)
- Dr. Timothy Darrow, 1979-1981 (Duke Med. Center)
- Dr. Brigitte Grouix, 1981-1983 (Inst. Armand Frappier, Montreal)
- Dr. Richard Phipps, 1981-1983 (University of Rochester)
- Dr. Juliet Melzer, 1982-1983 (Univ. Calif. Med. Ctr., San Francisco)
- Dr. Bonita Rup, 1983-1985 (Genetics Institute, Boston, MA)
- Dr. Rick L. Tarleton, 1983-1984 (University of Georgia)
- Dr. C. A. Pennell, 1984-1986 (Univ. Minnesota)
- Dr. William L. Scott, 1985-1986 (Private practice)
- Dr. Garvin Warner, 1986-1991 (Genetics Institute, Andover, MA.)
- Dr. José E. Alés-Martínez, 1986-1989 (University of Madrid, Spain)
- Dr. Louise Silver-Morse, 1986-1990 (University of Rochester)
- Dr. Nicola LoCascio, 1987-1988 (Huntington Museum, W. Va.)
- Dr. Sally Kent, 1991-1994 (Harvard Medical School)
- Dr. Yao Xiao-rui, 1990-1995 (Schering Plough Pharmaceutical Co.)
- Dr. Sergei Ezhevsky, 1992-1995 (UCSD, HHMI)
- Dr. Yubin Kang, 1996-1999 (Res. Asst. Prof., University of Iowa)
- Dr. Marco Melo, 1996-2002 (Resident, University Minnesota)
- Dr. Carolyn Mueller, 1996-2000 (USDOD)
- Dr. Moustapha El-Amine, 1997-2001 (Iomai, Inc.)
- Dr. Gregory Carey, 1998-2002 (Assistant Professor, University of Maryland School of Medicine)
- Dr. Laura Tonnetti, 1999-2002 (Res. Assoc., Holland Lab, American Red Cross)
- Dr. Jiahua Qian, 1999-2000 (NCI, NIH)

Dr. Biying Xu, 2002-2005 (NIDDK, NIH)  
Dr. Tie-Chi Lei, 2002-2005 (Assistant Professor, Wuhan University, China)  
Dr. Yufei Jiang, 2004-2006 (NCI, NIH)  
Dr. Ai-Hong Zhang, 2007-

**Active Grant Support:**

- R01 DK068342-02 (Scott, D. PI) 03/01/06 – 02/28/10  
*Mechanisms of B-cell Delivered Tolerance in Murine Diabetes*  
Based on the preliminary work supported by R21 DK61327, the goals of this proposal are to determine the cellular targets of B-cell delivered gene therapy for tolerance, examine the role of regulatory T cells in this process and *finally to establish the efficacy of this gene therapy in an islet transplant model* (with Dr. Donna Farber)
- R01 AI35622-09 (Scott, D. PI) 07/01/97 – 06/30/08 20%  
NIH \$200,000  
Novel Gene Therapy for Tolerance Induction  
The major goal of this project are to establish a bone marrow retroviral transmission approach to auto-antigenic epitopes and apply this to a model (EAE) for MS. *To be resubmitted July '07*
- R01 HL61883-08 (Scott, D. PI) 09/01/98 – 08/31/07 20%  
NIH \$200,000  
Induction of Tolerance to Factor VIII in Hemophilic Mice  
The major goals of this project are to modulate the immune response to FVIII via gene therapy with B-cell expression of fVIII domains. *Resubmitted March '07.*

**Completed:**

- RG 3277A1/1 (Scott, D. PI) 10/01/02 – 09/30/05 5%  
NMSS  
*Gene Therapy for Tolerance Induction in EAE as a Model for MS*  
This project is focused on the use of immunodominant PLP peptide-IgG constructs in gene therapy for relapsing EAE and tracking the tolerized T cells. This grant supplements AI35622 and an NMSS post-doctoral fellowship to Dr. Biying Xu.
- R21 DK069281-01 (for TolerGenics) (Scott, D. PI) 04/01/04 – 03/31/06  
*Novel Methods for B-cell Delivery of Tolerogenic Epitopes*  
The goals of this award is to determine the efficacy of transient expression of tolerogenic vectors in the induction of tolerance in human T-cells in vitro and the efficacy of TAT-fusion proteins for transient B cell presentation of B9-23-IgG on the development of diabetes in NOD mice.
- R21 DK61327 (Scott, D. PI) 09/01/01 – 08/31/05  
NIH \$150,000  
Designing IgG Constructs for Tolerance to Diabetogenic Epitopes  
The major goals of this project are to establish the use of B-cell antigen presentation of GAD and insulin and apply this to therapy in NOD mice as a model of diabetes.

**Pending:**

NIH R01 HL61883-09 and R01 AI035622-10 (Scott, D. PI) Renewal

*Previous support from NIAID (AI10716; AI29691) and NCI (CA55644), during the period from 1972-99, as well as from Juvenile Diabetes Foundation and American Cancer Society (1990's).*

**Patents:**

U.S. patent #5,817,308 'Tolerogenic fusion proteins of immunoglobulins and methods for inducing and maintaining tolerance', issued 10/6/98 [European patent number EP0741788-B1]  
U.S. patent #6,838,281div, 'Cells Expressing Fusion Proteins of Immunoglobulins' issued 1/1/05 (assigned to University of Maryland and licensed to TolerGenics, Inc.)

**PUBLICATIONS**

*Peer-reviewed Journals:*

1. Scott, D.W. Serological cross-reactions among the RNA coliphages. *Virology*, 26: 1965.
2. Scott, D.W. and Waksman, B.H. Tolerance in vitro: Suppression of immune responsiveness to bovine gamma globulin after injection of antigen into intact lymphoid organs. *J. Immunol.* 100: 312, 1968.
3. Scott, D. W. and Waksman B. H. Mechanism of immunologic tolerance. I. induction of tolerance to bovine gamma globulin by injection of antigen into intact organs in vitro. *J. Immunol.* 102: 347, 1969.
4. Scott, D.W., Bauminger, S., Sela, M. and Waksman, B.H. Induction of tolerance to polyalanyl ribonuclease in adult rats. *Immunochemistry* 7: 357, 1970.
5. Scott, D.W. and Gershon, R.K. Determination of total and mercaptoethanol resistant antibody on the same serum sample. *Clin. Exp. Immunol.* 6: 313, 1970.
6. Howard, J.C. and Scott, D.W. The role of recirculating lymphocytes in the immunological competence of rat bone marrow cells. *Cell. Immunol.* 3: 421, 1972.
7. Scott, D.W. and Howard J.C. Collaboration between thymus-derived and marrow-derived thoracic duct lymphocytes in the hemolysin response of the rat. *Cell. Immunol.* 3: 430, 1972.
8. Levy, N.L., Scott, D.W. and Snyderman, R. Bone-marrow derived lymphoid cell (B cells): Functional depletion with cobra factor and fresh serum. *Science* 178: 866, 1972.
9. Scott, D.W. Cellular events in tolerance. I. Failure to demonstrate activation of lymphocyte, blocking factors or suppressor cells during the induction of tolerance to a soluble protein. *J. Immunol.* 111: 789, 1973.
10. Ornellas, E.P. and Scott, D.W. Allogeneic interactions in the immune response and tolerance. I. The allogeneic effect in unprimed rats and mice. *Cell. Immunol.* 11: 108, 1974.
11. Scott, D.W. and Ornellas, E.P. Allogeneic interactions in the immune response and tolerance. II. Mechanism of stimulation of TNP plaque forming cells in normal rats. *Cell. Immunol.* 11: 116, 1974.
12. Scott, D.W. and McKenzie, G.: Rat B cells. Identity of immunoglobulin-bearing cells with a population of lightly uridine-labeled cells. *Cell. Immunol.* 12: 61, 1974.
13. Scott, D.W. Cellular events in tolerance. II. Similar specificity of carrier cross-tolerance in vivo and cross-stimulation in vitro. *J. Immunol.* 112: 1354, 1974.
14. Sanfilippo, F. and Scott, D.W. Cellular events in tolerance. III. Carrier tolerance as a model for T cell unresponsiveness. *J. Immunol.* 113: 1661, 1974.
15. Ornellas, E.P., Sanfilippo, F., and Scott, D.W. Cellular events in tolerance. IV. Effect of a graft-versus-host reaction and endotoxin on hapten and carrier-specific tolerance. *Eur. J. Immunol.* 4: 587, 1974.
16. Howard, J.C. and Scott, D.W. The identification of sera distinguishing marrow-derived and thymus-derived lymphocytes in the rat thoracic duct. *Immunology (UK)* 27: 903, 1974.
17. Greeley, E.A., Berke, G. and Scott, D.W. Receptors for antigen on lymphoid cells. I. Immunoabsorption of plaque-forming cells to poly-L-lysine-fixed antigen monolayers. *J. Immunol.* 113: 1883, 1974.
18. Chauvenet, A.R. and Scott, D.W. A lectin model for unresponsiveness. I. Reversible effects of high doses of concanavalin A on spontaneous and induced DNA synthesis. *J. Immunol.* 114: 470, 1975.
19. Greeley, E.A. and Scott, D.W. Receptors for antigen on lymphoid cells. II. Nature of the molecule responsible for plaque-forming cell adherence. *J. Immunol.* 115: 409, 1975.

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20. Scott, D.W. and Josephs, S. Uridine labeling of human lymphocytes: Differential uptake by T and B cells. *Cell. Immunol.* 20: 64, 1975.
21. Sanfilippo, F. and Scott, D.W. The effect of carrier specific helper T cell tolerance on antibody avidity in the anti-hapten response. *Cell. Immunol.* 21: 112, 1976.
22. Scott, D.W. Cellular events in tolerance. V. Detection, isolation and fate of lymphoid cells which bind fluoresceinated antigen in vivo. *Cell. Immunol.* 22: 311, 1976.
23. Scott, D.W. Anti-fluorescein affinity columns. Isolation and immunocompetence of lymphocytes which bind fluoresceinated antigens in vivo and in vitro. *J. Exp. Med.* 144: 69, 1976.
24. Scott, D.W. and Diener, E. Effects of lipopolysaccharide on the induction of tolerance to polymerized flagellin. *J. Immunol.* 116: 1220, 1976.
25. Bollinger, R.R. and Scott, D.W. Isolation and biological characterization of rat histocompatibility antigens. *Surgical Forum XXVII*: 325, 1976.
26. Scott, D.W. and Long, C.A. Role of self carriers in the immune response and tolerance. I. B cell unresponsiveness and cytotoxic T cell immunity induced by haptenated syngeneic lymphoid cells. *J. Exp. Med.* 144: 1369, 1976.
27. Sanfilippo, F., Cohn, M.L. and Scott, D.W. Effect of carrier-specific tolerance on the generation of helper cell function. *Eur. J. Immunol.* 6: 742, 1976.
28. Moorhead, J.W. and Scott, D.W. Tolerance and contact sensitivity to DNFB in mice. VII. Functional demonstration of cell-associated tolerogen in lymph node cell populations containing specific suppressor cells. *Cell. Immunol.* 28: 443, 1977.
29. Sanfilippo, F. and Scott, D.W. Carrier specific unresponsiveness in reaginic antibody formation. I. Induction of helper cell tolerance in rats. *Cell. Immunol.* 28: 427, 1977.
30. Sanfilippo, F. and Scott, D.W. Carrier specific unresponsiveness in reagenic antibody formation. II. Suppression of hapten and carrier responsiveness in presensitized rats. *Cell. Immunol.* 28: 435, 1977.
31. Long, C.A. and Scott, D.W. Role of self carriers in the immune response and tolerance. II. Parameters of B-cell tolerance by haptenated lymphoid cells. *Eur. J. Immunol.* 7: 1-6, 1977.
32. Venkataraman, M., Aldo-Benson, M., Borel, Y. and Scott, D.W. Persistence of antigen-binding cells with surface tolerogen: Isologous versus heterologous immunoglobulin carriers. *J. Immunol.* 119: 1006, 1977.
33. Venkataraman, M. and Scott, D.W. Cellular events in tolerance. VI. Neonatal vs. adult B-cell tolerance: Differences in antigen-binding cell patterns and lipopolysaccharide stimulation. *J. Immunol.* 119: 1879, 1977.
34. Sanfilippo, F. and Scott, D.W. Induction of carrier helper cell tolerance in presensitized rats. *Eur. J. Immunol.*, 7: 283, 1977.
35. Scott, D.W., Layton, J.E. and Nossal, G.J.V. Role of IgD in the immune response and tolerance. I. Anti-pretreatment facilitates tolerance induction in adult B cells in vitro. *J. Exp. Med.* 146: 1473, 1977.
36. Scott, D.W. Role of self carriers in the immune response and tolerance. III. B-cell tolerance induced by hapten-modified self involves both active T cell-mediated suppression and direct blockade. *Cell. Immunol.* 37: 327, 1977.
37. Bollinger, R.R. and Scott, D.W. Induction of tolerance to solubilized rat histocompatibility antigens. *Surgical Forum XXVIII* 331: 1977.
38. Johnson, A.H., Scott, D.W., McKeown, P.T., Pool, P.A. and Amos, D.B. Affinity chromatography with anti-fluorescein antibody to separate Ig-positive cells: Preliminary Report. *Transplantation Proceeding, Vol. IX, #1*, 1977.

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39. Scott, D.W. Role of IgD in the immune response and tolerance: II. Precursor analysis of murine B cells separated on the basis of surface IgD or treated with an anti-delta serum. *Eur. J. Immunol.* 8: 13, 1978.
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*Invited articles/reviews:*

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1. Scott, D.W. and Amos, D.B.: "Tissue transplantation" In: Immunological Diseases, (M. Samter, Ed. Little, Brown and Company, Boston, Mass.), 1978.
2. Scott, D.W. "Cellular aspects of the immune system and immunoregulation" In: Zinsser, Microbiology 17th Edition. (W.K. Joklik, D.B. Amos, and H.P. Willett, Eds. Appleton-Century-Crofts, New York), 1980.
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5. Scott, D.W. Clonal nature of the immune response. In: Human Immunogenetics: Basic Principles and Clinical Relevance (S.D. Litwin, ed., Marcel Dekker, NY), p. 127, 1989.
6. Scott, D.W. and Barth, R.K.: Chapter 42: Lymphocyte development, differentiation and function. In: Hematology: Basic Principles and Practice (E.J. Benz, Jr., H.J. Cohen, B. Furie, R. Hoffman, S. Shattil, eds., Churchill Livingstone, Inc., New York), p. 543, 1991.
7. Scott, D.W. Tolerance. In: Encyclopedia of Immunology (I.M. Roitt, P.J. Delves, eds. Saunders Scientific Publications, London), pp. 1481-1484. Scott, D.W. Organization and cellular aspects of the immune system and immunoregulation. 20th Edition Zinsser Microbiology. (W.K. Joklik, D.B. Amos and H.P. Willett, eds., Appleton-Century-Croft), New York, pp. 247-263, 1992.
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1. Scott, D.W. and Dawson, J.R.: Key Facts in Immunology, Churchill Livingstone, New York, 254 pp., 1985.
2. Scott, D.W. The Nature of Immunologic Tolerance. R.G. Landes, Austin, 1994.
3. Programmed Cell Death: (ed. by Y. B. Shi, Y. Shi, D.W. Scott and X. Yu), Plenum Press, New York, 1997
4. Molecular Mechanisms of Programmed Cell Death: (ed. by Y. Shi, J. Cidlowski, D.W. Scott, J-R. Wu and Y.B. Shi), Kluwer Academic/Plenum Publishers, New York, 2003.

**Recent Invited Speeches and Other Service (selected from 1993-2007):**

Invited Education speaker, Frontiers in Basic Science, American College of Rheumatology, October 2003  
Invited speaker, 3<sup>rd</sup> Hemophilia Inhibitors Meeting, September, 2003; ISTH Tolerance, Venice, October 2003  
Organizer, Keystone Meeting - Mechanisms of Tolerance and Autoimmunity, April, 2000 and Jan. 2003 (repeated March 2006)  
Co-organizer, Aegaen Conference on Autoimmunity, Mykonos, Greece, October 2003 and 2007.  
Invited minisymposium chair/speaker, AAI meetings, 1998, 2001, 2004.  
Co-organizer, NCI Conference on AIDS Lymphomas (Bethesda, MD), March, 1997  
Invited Plenary Speaker, Assoc. of Hemophilia Directors of Canada, "Gene Therapy for Tolerance" Banff, Alberta, May 1996  
Invited symposium Chair/speaker, NIH Conf. on Myc, October, 1996  
Co-organizer, International Sympos. Programmed Cell Death (Shanghai, China), Sept. 1996;2002  
Invited Plenary Speaker, International Symposium on Inhibitors to Coagulation Factors, November, 1993  
Co-organizer, Biosymposium of B cells in Multiple Sclerosis and Autoimmunity, Santa Monica CA, Nov. 2007.  
Invited Plenary Speaker, Franco-Germano-Dutch Retreat on Hemostasis and Hemophilia, Bitche, France, April 2007.

Invited speaker (selected)

Johns Hopkins Medical Center, November, 1999, 2005  
NCI Frederick Cancer Center, March 2001  
Robert Wood Johnson Medical School, May 2002  
DIBT, Milan, Italy, October 2003  
East Carolina University, April 2004  
NYU Medical School, January 2006

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Leiden Medical Center, April 2006

INSERM, Paris, May 2006

Invited "Guru", Amer. Assoc. of Immunologists, Advanced Immunology Course, July, 1995, UC Berkeley