

## CURRICULUM VITAE

**Prepared:** August 15, 2011

### **Personal data:**

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Date of Birth: January 9, 1958

Place of Birth: New York, NY, USA

Citizenship: United States

### **Academic Training:**

1980: B.S. Massachusetts Institute of Technology (Biology)  
1984: M.D. Yale School of Medicine

### **Traineeship:**

1984-1985 Medical Intern, Columbia-Presbyterian Medical Center, NY, NY  
1985-1986 Assistant Medical Resident, Columbia-Presbyterian Medical Center  
1986-1987 Clinical Rheumatology Fellow, Columbia-Presbyterian Medical Center  
1987-1990 Post-Doctoral Biochemistry Fellow, HHMI, Columbia University

### **Certification:**

1989 American Board of Internal Medicine

### **Licensure:**

1985 New York  
2004 Iowa

### **Professional Organizations and Societies:**

American Association of Immunologists  
American Academy of Allergy and Immunology  
American Society of Microbiology  
American Society for Biochemistry & Molecular Biology  
American Society for Clinical Investigation  
Pharmacia Allergy Research Foundation  
International Society for Interferon and Cytokine Research  
Harvey Society

Association of Professors of Medicine  
American College of Physicians  
Association of American Physicians  
Iowa Medical Society

**Academic Appointments:**

1986-1989 Instructor in Clinical Medicine, Columbia University  
1989-1991 Assistant Professor of Clinical Medicine, Columbia University  
1991-1998 Assistant Professor of Medicine and Microbiology, Columbia University  
1998-2001 Richard J. Stock Associate Professor of Medicine (Immunology) and Microbiology, Columbia University  
1997-2004 Chief, Division of Pulmonary, Allergy, and Critical Care Medicine  
2001-2004 Richard J. Stock Professor of Medicine (Immunology) and Microbiology  
2003-2004 Vice Chairman for Research, Department of Medicine, Columbia University  
2004-2008 Professor and Head, Department of Internal Medicine, Francois M. Abboud Chair in Internal Medicine Roy J. and Lucille A. Carver College of Medicine, University of Iowa  
2004-present Professor of Microbiology, University of Iowa  
2004-present Professor of Physiology and Biophysics, University of Iowa  
2004-present Professor of Internal Medicine, University of Iowa  
2008-present Dean, Roy J. and Lucille A. Carver College of Medicine

**Hospital Appointments:**

1986-1989 Assistant Physician, Presbyterian Hospital in the City of New York  
1989-1998 Assistant Attending, Presbyterian Hospital in the City of New York  
1999-2001 Associate Attending, New York Presbyterian Hospital  
2001-2004 Attending, New York Presbyterian Hospital  
2004-present Attending, University of Iowa Hospital and Clinics

**Honors:**

1980 Phi Beta Kappa, MIT  
1980 John Asinari Research Award, Honorable Mention, MIT  
1984 Alpha Omega Alpha, Yale  
1984 Merck Manual Award for Outstanding Scholastic Achievement, Yale School of Medicine  
1986 NIH Physician Scientist Award  
1989 James S. McDonnell Foundation Career Development Award in Molecular Medicine and Oncology  
1990 American College of Rheumatology Senior Rheumatology Scholar Award  
1991 Pfizer Scholars Award for New Faculty  
1992 Pew Scholar in the Biomedical Sciences  
1994 Pharmacia Allergy Research Foundation Fellowship Award  
1995 Leukemia Society of America Scholar Award  
1996 Cancer Research Institute/Partridge Foundation Clinical Investigator

	Award
1996	Asthma and Allergy Foundation of America Investigator Award
1997	Elected Member, American Society for Clinical Investigation
1997	Pharmacia Allergy Research Foundation International Award
1998	Elected Member, Collegium Internationale Allergologicum
2000	Pfizer Visiting Professor on Allergic Diseases and Asthma, University of Cincinnati
2005	Elected Fellow, American College of Physicians
2005	Elected Member, Association of American Physicians
2005	Donald D. Dorfman Research Award, for Outstanding Published Basic Science Paper, University of Iowa Cancer Center
2006	Co-Chair Keystone Symposia, Allergy and Asthma Meeting
2008	Elected - Council of the Association of American Physicians
2008	Elected Fellow of American Association for the Advancement of Science
2009	Elected Member of American Clinical and Climatological Association

**Government/Foundation Advisory Committees:**

1996	Ad Hoc Reviewer, Immunologic Sciences Study Section, NIH
1997	Site Visit Committee- F.D.A. CBER
1997-1999	Scientific Review Panel, Israel Cancer Research Fund
1997-2000	Member, Immunologic Sciences Study Section, NIH
2000-present	International Scientific Advisory Board, Israel Cancer Research Fund
1999-2004	A.L.A.- Asthma Clinical Research Center, Executive Committee
2002-2004	A.L.A.- Research Fellowship Review Committee
2002-2006	A.A.A.A.I. - Grant Review Committee
2002-2006	A.A.A.A.I. – Genetics, Molecular Biology and Epidemiology Committee
2002	Chair, Special Emphasis Panel, NIAID
2003-present	Reviewer, Italian Ministry for Education and Research (MIUR)
2003	Chair, Special Emphasis Panel, NIAID
2004	Chair, Special Emphasis Panel, NIAID
2004	Reviewer Intramural Program, N.C.I.
2005	Reviewer, Special Emphasis Panel, NIAID
2005	Reviewer, ATS Asthma, Immunology and Inflammation Program Committee
2006	Reviewer, Special Emphasis Panel, NIAID
2006	Member, Association of Professors of Medicine Research Committee
2006-7	Member, Association of Professors of Medicine Physician-Scientist Initiative Planning Committee
2007	Leader, Association of Professors of Medicine Research-Intensive Schools Special Interest Group
2007	Chair, Special Emphasis Panel, NIAID

2008	Co-Chair, ATS Asthma, Immunology and Inflammation Program Minisymposium
2009	Member, ATS Assembly on Allergy, Immunology and Inflammation Program Committee
2010	Chair, Special Emphasis Panel, NIAID
2010	Planning committee Pew Scholars Program 25 <sup>th</sup> Anniversary Reunion
2011	Special Emphasis Panel, NIAID
2011	A.A.A.A.I. – Division Directors Committee
2011	Dean Liaison to AAMC Group on Faculty Affairs

## Grant Support

### Active

1. National Institutes of Health, R01 AI054821-08, (Rothman, P.I.), IL-4 Signal Transduction. \$250,000/yr., 03/09 – 02/14
2. National Institutes of Health (Rothman, co-P.I.) Role of DOK Proteins in Lung Cancer, \$180,000/yr., 04/08 - 03/12

### Past

1. National Institute of Health Physician Scientist 1986-1990
2. James S. McDonnell Foundation Career Development Award in Molecular Medicine and Oncology 1989-1991
3. Pfizer Scholars Award for New Faculty 1991-1993
4. Pfizer Corporation Research Grant, IL-4 Signal Transduction, 3/94-2/96
5. Arthritis Foundation of New York Research Grant, 7/95-6/96 IL-2 Signal Transduction, \$25,000
6. Pew Scholar Program in the Biomedical Sciences, Pew Charitable Trust, 7/92-6/97 Direct Cost: \$ 200,000
7. Howard Hughes Medical Student Fellowship for Cosmas Giallourakis - 7/96-6/97, \$5,000
8. American Cancer Society, IM-800, Role of Switch Regions in Immunoglobulin Class Switching, 7/96-6/99, Direct cost: \$85,000/year
9. Asthma and Allergy Foundation of America, Asthma Signal Transduction Role of Stat6 in Allergic Inflammatory, 3/96-2/99. Direct cost: \$ 75,000/year
10. National Institute of Health. RO1 AI33450-05, (Rothman, P.I.) – Molecular Mechanisms that Control IgE Immune Responses, 12/92-11/99, Direct cost: \$155,872/year
11. Cancer Research Institute, Clinical Investigator Award in Cancer Immunology, 7/96-6/00, Direct cost: \$50,000/year
12. Scholars Award, Leukemia Society of America, Mechanism of IL-4 Signal Transduction 7/1/95-6/30/00, Direct cost: \$50,000/year
13. American Cancer Society, IM-783, Differential STAT1 Activation Among THelper Cell Populations. 1/1/96-12/31/98. Direct cost: \$80,000/year

14. National Institute of Health. PO1 AI39675-01 (Project 1, Chess, P.I.) - Role of IFN- $\gamma$  Signaling in T cell Development and Autoimmunity, 9/30/96 – 08/31/01, Direct Cost \$86,251/year
15. American Cancer Society. IM-783 (Rothman, P.I.) - Role of IFN- $\gamma$  Signaling in T Cell Differentiation, 1/1/98-12/31/01, Direct cost \$50,000/year
16. National Institute of Health. PO1 CA72699-01 (Project 3, Chaganti P.I.) - BCL-6 Repression of STAT-Mediated Cytokine Signaling, 7/97-7/02, Direct Cost \$140,112/year
17. National Institute of Health. RO1 CA77862-01, (Rothman, P.I.) - Role of Cytokine Signaling in Abl-Mediated Transformation, 4/98-3/03, Direct Cost \$132,801/year
18. National Institute of Health. P01 CA75399-01 (Project 2, Calame P.I.) - Signaling Pathways Utilized by  $\nu$ -Abl and BCR-Abl12/1/98-11/30/03, Direct Cost \$71,122/Year
19. National Institute of Health. P30 ES09089-05 (R.Santella, P.I.), Director, Respiratory Core, Center for Environmental Health in Northern Manhattan, 2/03-3/07, Direct cost \$16,700/year
20. American Lung Association - Asthma Clinical Research Center. (Rothman, P.I. New York Consortium) 7/04-6/09, Direct cost \$80,000/year
21. Arthritis Foundation. - Regulation of IFN- $\gamma$  Signaling by SOCS-1 and Pim 7/01-6/04. Direct Cost \$90,000/year
22. National Institute of Health. CA13696-30.(K.Antman, P.I.) Director, Immunology Program, Columbia University Cancer Center, 6/30/02 -7/1/05, Direct cost \$16,700/year
23. National Institute of Health. 1P50 ES09600 (F.Perera, P.I.) Director, Asthma Project, Columbia Center for Children's Environmental Health, 9/1/03-8/30/08, Direct cost \$16,700/year
24. National Institute of Health, Asthma and Allergy Research Center P01 AI-50514-01 (Rothman, PI) 9/01-8/06. Direct Cost \$921,778/year (project 1, \$180,000/year)
25. National Institute of Health. R01 AI050850, (Berton, PI) - Cooperative Mechanisms in IL-4-Induced Gene Expression, \$25,000/year, 12/02-11/07
26. National Institutes of Health, R01 DK067231, (Rothman, P.I.),SOCS-7 – Regulator of Signal Transduction, \$184,500/year, 10/04 – 11/08
27. National Institutes of Health (Rothman, P.I.) Role of SOCS-1 in Regulation of IgE \$250,000/yr., 6/09-5/11
28. National Institutes of Health, 5T32 AI007260 (Rothman, Director), Interdisciplinary Immunology Postdoctoral Training Grant. \$270,000/yr, 09/06 - 08/11

**Department and University Committees-Columbia:**

1. Director, Department of Medicine Transgenic Facility 1995-2002
2. Director of Fellowship Selection, Division of Rheumatology, 1992-1994
3. Chief, Division of Pulmonary, Allergy, and Critical Care Medicine, 1997-2004
4. Director, John Edsall-John Woods Asthma Center, 1998-2004
5. Program Director, Respiratory Section, Northern Manhattan Environmental Health Center, 1998-2004
6. Program Director, Immunology Section, Herbert Irving Cancer Center, 2000-2004
7. Institutional Representative, ASCI, 2000-2002
8. Skin Disease Research Center, Policy Advisory Committee Member, 2000-2004
9. Immunology Search Committee, 2000-2002
10. Columbia Health Sciences Strategic Planning, Research Committee, 2001-2002

11. Member, LCME Basic Science Committee, 2002
12. Member, Heidelberger-Kabat Lecture Selection Committee, 2002-2004
13. Chair, Rheumatology Chief Search Committee, 2002-2004
14. Director Asthma Project, Columbia Center for Children's Environmental Health, 2002
15. Member, President's Faculty Advisory Committee for Campus Planning, 2003
16. Member, Finster Chair Search Committee, Department of Anesthesia, 2003-2004
17. Member, Chair of Genetics Search Committee, 2004
18. Member, Dean's Advisory Committee on Honors and Awards 2004
19. Member, Dean's Research Space Utilization Committee, 2004

**Department, Hospital and University Committees-Iowa:**

1. Member, Ambulatory Care Clinics in PFP Function and Space Program Project Steering Committee, 2004-
2. Member, Cancer Immunology Faculty Search Committee, 2004-
3. Member, Holden Comprehensive Cancer Center Research Program, 2004
4. Vice Chair, Carver College of Medicine Strategic Planning Committee, 2004-
5. Member, Family Care Center Executive Committee, 2004-
6. Member, UI Faculty Practice Plan Board (University of Iowa Physicians Board), 2004-
7. Member, University of Iowa Hospital Advisory Committee, 2004-
8. Member, UI Joint Office of Patient Fiscal Services (JOPFS) and Internal Medicine A/R Management Review Committee, 2004-
9. Member, University of Iowa Carver College of Medicine Medical Council, 2004-
10. Member, MSTP Executive Committee, 2004-
11. Member, UIHC Department of Ophthalmology Head Search Committee, 2004-
12. Member, Presidential Biological Scholar Program Selection Committee, 2004-
13. Member, Research Advisory Council, 2004-2007
14. Member, University of Iowa Hospitals and Clinics Strategic Planning Subcommittee, 2004-
15. Member, UIHC Strategic Plan Task Force, 2004-
16. Chair, UIHC Strategic Plan Task Force Innovative Care Strategic Development Team, 2004
17. Chair, UI Carver College of Medicine Strategic Design Team – Research, 2005-
18. Member, UIHC Department of Surgery Head Search Committee, 2005-
19. Member, Holden Comprehensive Cancer Center Executive Council, 2005-
20. Member, UI Blue Ribbon Academic and Research Task Force, 2005-
21. Member, Holden Cancer Center Research Internal Advisory Committee, 2006-
22. Chair, UIHC Chief of Staff Nominating Committee, 2006
23. Vice Chair, Practice Management Committee, University of Iowa Physicians Board, 2006-
24. Member, University of Iowa Physicians Chief Medical Officer Search Committee, 2006
25. Member, Board of University of Iowa Research Foundation, 2006
26. Member, University of Iowa Carver College of Medicine Space Committee, 2006
27. Member, University of Iowa CCOM/UIHC Capital Allocations Committee, 2007-08
28. Member, University of Iowa Presidential Search Committee, 2007
29. Intercollegiate Task Force on the Organization of Research and Education in the Life Sciences, 2007
30. Member, Cancer Center Clinical Advisory Committee, 2007
31. Member, Heart and Vascular Center Executive Board, 2007
32. Co-Chair, Cancer Center Multidisciplinary Clinic Subcommittee

- 33. Co-Chair, TRG Strategic Steering Committee
- 34. Member, Iowa Institute for Biomedical Discovery Project Team
- 35. Chair, University of Iowa Hospital and Clinic CEO Search Committee
- 36. Member, University of Iowa Community Medical Services, Inc. Executive Board
- 37. Member, University of Iowa Architectural Selection Committee
- 38. Member, University of Iowa Budgeting Task Force Committee
- 39. Member, Advisory Board of John Pappajohn Entrepreneurial Center

**Teaching Experience and Responsibilities-Columbia:**

1990-2004	Lecturer and Preceptor - Immunology Course to Second Year Medical Students
1990-1999	Lecturer - Advance Topics in Microbiology II
1990-2003	Lecturer - Eukaryotic Molecular Biology
1990-2004	Lecturer-Introduction to Immunology, Microbiology Department
1990-2004	Medicine Attending Ward Service, Presbyterian Hospital - 1 month/year
1990-1997	Rheumatology Attending, Presbyterian Hospital - 1 month/year
1990-2000	Rheumatology Clinic - Presbyterian Hospital- 1 day/week
1995-2004	Course Director - Introduction to Immunology, Graduate School
2004	Lecturer - Epidemiology of Asthma, School of Public Health

**Teaching Experience and Responsibilities-Iowa:**

2004-present	Mentor, Medical Scientist Training Program, University of Iowa
2005-present	M1-Immunology Small Group Sessions, University of Iowa
2005-2008	Lecturer – M1 Immunology Course
2005-2008	M3 Preceptor Internal Medicine Clerkship -2month/year
2005-2008	Medicine Attending Ward Service, University of Iowa Hospitals & Clinics
2005-2008	Rheumatology Clinic, University of Iowa Hospitals & Clinics

**Research Supervision:**

Past postdoctoral fellows

Present Positions

Maureen Morrow, Ph.D.	02/92-08/92	Assoc. Prof. (tenure) SUNY New Paltz
Lauren Cohn, M.D.	07/91-07/93	Assoc. Prof., Yale School of Medicine
Alessandra Pernis, M.D.	04/93-06/96	Assoc. Prof. (tenure) Columbia University
Sylvia Chai, Ph.D.	07/93-06/97	Scientific Associate, Grey Advertising
Martin Reichel, M.D.	11/94-09/97	Asoc. Prof. Columbia University
Yulin Wang, Ph.D.	05/96-11/98	Ivillage
Shih-Chung Hsu, Ph.D.	07/97-12/98	Research Assistant, Columbia University

Ping-Ying Pan, Ph.D.	01/97-11/99.	Assistant Professor, Mt Sinai School of Med
Elena Toniato, Ph.D.	09/98-09/00	Assistant Professor, Univ of Chieti, Italy
Hong Jiang	03/96-01/01	Research Associate, Columbia University
Jeffrey Weisburg	07/98-12/01	Assistant Professor, Yeshiva University
Andreas Schroeder, M.D	11/98-02/02	Medical Advisor, Merck Serono Biopharm
Shinji Oki, Ph.D.	04/99-03/02	Section Chief, Nat. Inst. of Neuro. Japan
Peter Chen, Ph.D.	09/97-05/02	Patent Attorney, Lathrop & Gage L.C.
Daphne Tsitoura	05/01-04/03	Glaxo Smith Kline, London, England
Jianze Li	09/99-05/03	Bioland Scientific
Deborah Levy Miller	11/01-06/03	Assistant Professor, University of Toronto
Pin Mei Yao	06/02-06/03	Family Practice, Long Island
Jesse Wilt	07/02-06/03	Assistant Professor, Columbia University
Rachel Miller	07/95-06/04	Assoc.Professor, Columbia University
Masaki Kashiwada	06/98-06/04	Assoc.Professor, Jichi Medical University
Umaima Al-alem	09/02-06/04	Postdoctoral Fellow, U of I, Chicago
Meg Mooney	07/03-06/04	Assistant Professor, NYU
Steve Canfield	07/99-06/04	Assistant Professor, Columbia University
Jilong Chen	07/05-11/08	Assistant Professor, Chinese Academy of Sciences

Past pre-doctoral fellows

Lixing Xu	07/91-08/95
James Yopp	07/94-12/95
Denise Kuehner	07/94-07/97
Vinh Pham (M.D./Ph.D.)	04/96-11/96
Bingfeng Lu	07/93-08/98
Nika Danial	07/94-08/98
Miera Harris (M.D./Ph.D.)	06/97-06/00
Arnob Banerjee (M.D./Ph.D.)	09/95-08/00
Greg Tau (M.D./Ph.D.)	09/95-10/00
Julie Losman (M.D./Ph.D.)	09/96-12/01
Justin Mostecky	09/98-07/04
Bao Vuong	09/98-06/04
Luisa Cimino	08/02-09/04
Maartje A Van Peer	06/03-06/04
Teresita Arenzana	09/03-09/04
Andre Limnander	09/98-03/05
Alex Banks	09/99-08/05
Ping Lu	07/05-12/10
Miranda Curtis (M.D./Ph.D.)	07/05-04/11

Past medical student trainees

Cosmas Giallourakis	Howard Hughes Medical Institute Medical Student Fellow 1996 Present Position, Assistant Professor, Harvard
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Present Positions

Business
Graduate Student, New York University
High School Biology Teacher
Assistant Professor, NYU
Assoc. (tenure) Prof. of University Pittsburg
Assistant Professor, Harvard University
Pulmonary Fellow, Columbia
Assistant Professor, Univ of Maryland
Assistant Professor, Columbia University
Oncology Fellow, Dana Farber Cancer Ctr
Research Scientist, Tepnel Lifecodes Corp.
Post Doc, Sloan Kettering Cancer Institute
Post Doc. NYU
Merck
Postdoc, UCLA, Dr. Steven Smale
Postdoc, UCSF, Dr. Arthur Weiss
Postdoc, Harvard University
Postdoc, Harvard University
Medical School



Divya Narayanan                      Howard Hughes Medical Institute Medical Student Fellow 2004  
Present Position, Instructor, Harvard

Visiting scientists/students

Martijn Nawijn Ph.D.                      Assistant Professor, University of Groningen  
Akinori Arimura, Ph.D.                      Shionogi & Co., Ltd. 4/01-7/02

**Thesis Examination Committees:**

Jacob Gorman, Isaiah Hankel, Adam Regelman, Miriam Anne Shelef, Margaret Wang, Ryan Thinh Phan, Kristy Johnson, Amy Katharine Bergtold, Stuart Weisberg, Beirong Lu, Tracy C. Kuo, Ed Shen, Karen Hinrichs, Matthew Adlam, Vera Irikura, John R. Ferguson, Xuerong Shi (Hunter), Nicole Avitahl, Martijn Nawijn (Rotterdam), Xiaozhong Wang (NYU), Mohammed Asmal, Cagan Gurer, Pang-Dian Fan, Yanzhang Dong, Andrew Diamanduros, Sophia Sarafova, Kartik Krishnan, Qing Zhang, Maureen Morrow, Rusty Lansford, Ami Okada, Sandy Wells, Noah Berkowitz, Russell Smith, Pamela Schwartzberg

**Journal Reviews:**

1995- 2000                      Associate Editor, Journal of Immunology  
1997-present                      Editorial Board, International Archives of Allergy and Immunology  
1998-present                      Editorial Board for the American Journal of Respiratory Cell and  
Molecular Biology  
2002-present                      Consulting Editor, The Journal of Clinical Investigation

Ad hoc reviewer, Cell, Science, Immunity, Journal of Experimental Medicine, Molecular and Cellular Biology, Nucleic Acids Research, Proc. Nat. Acad. Sci. USA, Clinical and Experimental Immunology, International Immunology, Cellular Immunology, Journal of Pathology, Arthritis and Rheumatism, Journal of Clinical Investigation, Journal of National Cancer Institute , Molecular Immunology, Oncogene, Biological Chemistry, Immunology, Nature Immunology, Journal of Immunology, EMBO Journal, Trends in Immunology, Journal of Cell Science, Chemistry & Biology, Experimental Hematology, Pediatric Nephrology, PloS Genetics

**Publications**

**A. Peer reviewed Articles**

1. Thomas, Y., Rogozinski, L., Rothman, P., Rabbani, L., Andrews, S., Irigoyen, O.H., and Chess, L. Further Dissection of the Functional Heterogeneity within the OKT4+ and OKT8+ Human T Cell Subsets. *Journal of Clinical Immunology* (1982) 2:8S-14S.

2. Lutzker, S., Rothman, P., Pollock, R., Coffman, R., and Alt, F. Regulation of the Expression of Germline Immunoglobulin Gamma 2b Transcripts by LPS and IL-4: Evidence for Directed Heavy Chain Class Switching. *Cell* (1988) 53:177-184.
3. Rothman, P., Lutzker, S., Cook, W., Coffman R., and Alt, F.W. Mitogen plus Interleukin 4 Induction of C Epsilon Transcripts in B Lymphoid Cells. *J Exp Med* (1988) 168:2385-2390.
4. Rothman, P., Chen, Y.Y., Lutzker, S., Li, S.C., Coffman, R., and Alt, F.W. Structure and Expression of Germline Ig Heavy Chain  $\epsilon$  Transcripts: IL-4 plus LPS-directed Switching to C $\epsilon$ . *Mol and Cell Biol* (1990) 10: 1672-1679.
5. Rothman, P., Lutzker, S., Gorham, B., Stewart, V., Coffman, R., and Alt, F.W. Structure and Expression of Germline Immunoglobulin  $\gamma$ 3 Heavy Chain Gene Transcripts: Implications for Lymphokine Directed Class-switching. *International Immunology* (1990) 2: 621-627.
6. Yancopoulos, G.D., Oltz, E., Rathbun, G., Berman, J.E., Smith, R.K., Lansford, R.D., Rothman, P., Okada, A., Lee, G., Morrow, M., Kaplan, K., Procop, S., and Alt, F.W. Isolation of Coordinately Regulated Genes that are Expressed in Discrete Stages of B-cell Development. *PNAS, USA* (1990) 87:5759-5763.
7. Rothman, P., Li, S.C., Gorham, B., Glimcher, L., Alt, F., and Boothby, M. Identification of Conserved LPS-IL4 Responsive Element Located at the Promoter of Germline  $\epsilon$  Transcripts. *Mol Cell Biol* (1991) 11:5551-5561.
8. Schultz, C. L., Rothman, P., Kühn, R., Kehry, M., Müller, W., Rajewsky, K., Alt, F., Coffman, R. L. T helper cell membranes promote IL-4-independent expression of germline C gamma 1 transcripts in B cells. *J Immunol* (1992) 149: 60-64.
- \* 9. Xu, L., Gorham, B., Li, S.C., Bottaro, A., Alt, F.W., and Rothman, P. Replacement of Germline  $\epsilon$  Promoter by Gene Targeting Alters Control of Immunoglobulin Heavy Chain Class-Switching. *PNAS, USA* (1993) 90: 3705-3709.
- \* 10. McIntyre, T.M., Klinman D.R., Rothman, P., Lugo, M., Dasch, J.R., Mond, J.J., and Snapper, C.M. Transforming Growth Factor  $\beta$ <sub>1</sub> Selectively Stimulates Immunoglobulin G2b Secretion by Lipopolysaccharide-activated Murine B Cells. *J Exp Med* (1993) 177:1031-1037.
- \* 11. Schindler, C., Kashleva, H., Pernis, A., Pine, R., and Rothman, P. STF-IL4: A novel IL-4 induced signal transducing factor. *EMBO J* (1994) 13:1350-1356.
- \* 12. Xu, L., and Rothman, P. IFN- $\gamma$  Represses  $\epsilon$  Germ-line Transcription and Subsequently Down-Regulates Switch Recombination to  $\epsilon$ . *Int Immunol* (1994) 6: 515-521.

13. Li, S.C., Rothman, P.B., Zhang, J., Chan, C., Hirsh, D., and F. Alt. Expression of I $\mu$  C $\gamma$  Hybrid Germline Transcripts Subsequent to Immunoglobulin Heavy Chain Class Switching. *Int Immunol* (1994) 6:491-498.
- \* 14. Lederman, S., Yellin, M.J., Cleary, A.M., Pernis, A., Inghirami, G., Cohn, L.E., Covey, L.R., Lee, J.J., Rothman, P., and Chess, L. T-BAM/CD40-L Molecule on Helper T lymphocytes Augments Lymphokine-induced B cell Immunoglobulin Isotype Switch Recombination and Rescues B cells from Programmed Cell Death. *J Immunol* (1994) 152:2163-2171.
15. Bottaro, A., Lansford, R., Xu, L., Zhang, J., Rothman, P., Alt, F.W. S region transcription per se promotes basal IgE class switch recombination but additional factors regulate the efficiency of the process. *EMBO J* (1994) 13:665-674.
- \* 16. Liao, F., Birshstein, B., Busslinger, M., and Rothman, P. The Transcription Factor BSAP (NF-HB) is Essential for Immunoglobulin Germline  $\epsilon$  Transcription. *J Immunol* (1994) 152:2904-2911.
- \* 17. Covey, L.R., Cleary, A.M., Yellin, M.J., Ware, R., Sullivan, G., Belko, J., Parker, M., Rothman, P., Chess, L., and Lederman, S. Isolation of cDNAs Encoding T-BAM, a Surface Glycoprotein on CD40+ T Cells Mediating Contract-dependent Helper Function for B Cells: Identity with the CD40-Ligand. *Mol Immunol* (1994) 31:471-484.
- \* 18. Rothman, P., Kreider, B., Azam, M., Levy, D., Wegenka, U., Eilers, A., Decker, T., Horn, F., Kashleva, H., Ihle, J., and Schindler, C. Cytokines Signal Through Tyrosine Phosphorylation of a Family of Related Transcription Factor. *Immunity* (1994) 1:457-468.
19. Kim, J., Reeves, R., Rothman, P., and Boothby, M. The Non-histone Chromosomal Protein HMG-I (Y) Contributes to Repression of the Immunoglobulin Heavy Chain Germline Epsilon RNA Promoter. *Europ. J Immunol* (1995) 25:798-808.
- \* 20. Pernis, A., Yopp, J., Gupta, S., Garfein, E., Kashleva, H., Schindler, C., and Rothman, P.  $\gamma$  Chain-Associated Cytokine Receptors Signal Through Distinct Transducing Factors. *J Biol Chem* (1995) 270:14517-14522.
- \* 21. Pernis, A., Gupta, S., Gollob, K., Garfein, E., Coffman, R.L., Schindler, C., and Rothman, P. Lack of Interferon Gamma Receptor Beta Chain and Prevention of Interferon Gamma Signaling in TH1 Cells. *Science* (1995) 269:245-247.
- \* 22. Danial, N., Pernis, A., and Rothman, P. Jak-STAT Signaling Induced by the v-abl Oncogene. *Science* (1995) 269:1875-1877.
- \* 23. Pernis, A., Witthuhn, B., Keegan, A.D., Garfein, E., Ihle J.N., Paul, W.E., Pierce, J.H., and Rothman, P. IL-4 Signals Through Two Related Pathways. *Proc. Natl. Acad. Sci. USA.* (1995) 92: 7971-7975.

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- \* 25. Lu, B., Reichel, M., Fisher, D.A., Smith, J.F., and Rothman, P. Identification of a Stat6 Domain Required for IL-4 Induced Activation of Transcription. *J Immunol* (1997) 159:1255-1264
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- \* 87. Ji-Long Chen, John D. Colgan, Thomas Longley, Masaki Kashiwada, Brian J. Druker, and Paul B. Rothman BCR-ABL regulates SOCS-1 function by phosphorylation (in revision)
- \* 89. Curtiss, M., G. Traver, M. Singh, T. Businga, J. Kline, D. Meyerholz, J. Colgan, P. Rothman, and S. Cassel. Tim-1 Regulates Th2 Responses in an Experimental Asthma Model (in revision)
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## **B. Reviews, chapters, and editorials:**

1. Alt, F.W., Ferrier, P., Malynn, B., Lutzker, S., Rothman, P., Berman, J., Blackwell, K., Mellis, S., Pollock, R., Furley, A., Rathbun, G., Yancopoulos, G., Logtenberg, T., Morrow, M., Cook, W., Heinke, B., and Suh, H. (1989) Control of Recombination Events During Lymphocyte Differentiation: Heavy Chain Variable Region Gene Assembly and Heavy Chain Class Switching. (1989) *Annals of the N.Y. Academy of Sci.*, Vol.556:9-24.
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- \* 9. Pan, P.Y. and P. Rothman. IL-4 receptor mutations. (1999) *Current Opinions in Immunology* 11:615-620.
- \* 10. Tau, G. and P. Rothman. Biological functions of IFN- $\gamma$  Receptors. *Allergy* (1999) 54:1233-1251.
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- \* 13. Jiang, H, Harris, M.B., and P. Rothman. IL-4/13 Signaling, Beyond JAK/STAT. *Journal of Allergy and Clinical Immunology* (2000) 105(6 Pt 1):1063-70.
- \* 14. Canfield, S. and P. Rothman, TH2 Inflammation Repressed by Chemokines. Invited News and Views. *Nature Immunology* (2000) 1:189-190.
- \* 15. Chen , P.X, Losman, J.A., P. Rothman. SOCS Proteins, Regulators of Intracellular Signaling. *Immunity* (2000) 13:287-290.
- \* 16. Pernis, A.B. and P. Rothman, JAK-STAT signaling in asthma. *JCI* (2002) 109:1279-1283.
- \* 17. Banerjee, A, Harris, M.B. and P. Rothman. Inhibition of Cytokine Signaling Therapeutic Targets of Airway Inflammation. (2003) Marcel Dekker, Inc. Chapter 28, 599-626.
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- \* 20. Colgan, J. and P. Rothman, All in the Family: IL-27 Suppression of T<sub>H</sub>-17 Cells. Invited News and Views. *Nature Immunology* (2006) 7(9):1-2.
- \* 21. Knisz, J. and Rothman, P. Suppressor of Cytokine Signaling in Allergic Inflammation. *Journal of Allergy and Clinical Immunology* (2007) 119(3):739-745.
- \* 22. Colgan, J. and P. Rothman. Manipulation of signaling to Control Allergic Inflammation. *Curr Opin Allergy Clin Immunol* (2007) Feb;7(1):51-6.

- \* 23. Kashiwada, M., Lu, P., and Rothman, P. PIP3 Pathway in Regulatory T Cells and Autoimmunity. *Immunol Res* (2007) 39(1-3):194-224.
- \* 24. Cassell, S., and Rothman, P. Role of SOCS in Allergic and Innate Immune Responses. *Advances in Immunology*. (2009) 103:49-76
- \* 25. Rothman P.B. The Transcriptional Regulator NFIL3 Controls IgE Production. *Trans Am Clin Climatol Assoc.* (2010) 121:156-71.
- 26. Rothman P. On the right track at the UI Carver College of Medicine (2010) Sep-Oct;100(5):20-1.
- 27. Rothman P. Curricula of medical schools must keep up with changes in health care (2010) May-Jun;100(3):22

### **Invited Lectures and Seminars:**

#### Seminars:

- 2009 University of Arizona-Iowa CTSA meeting  
International Summit of Medical Deans, Beijing, China
- 2008 University of North Carolina  
Duke University  
Suzhou University, China
- 2006 University of Iowa, Grand Rounds  
University of Nebraska  
University of Iowa, Asthma Center Conference  
Federal University of Bahia Medical School, Salvador, Brazil  
Universidade Federal do Rio Grande do Norte, Natal, Brazil
- 2005 University of Iowa, Grand Rounds  
University of Minnesota  
University of Pennsylvania  
University of Missouri
- 2004 University of Iowa, Department of Microbiology  
University of Iowa, Department of Physiology and Biophysics  
University of Iowa, Immunology Program  
University of Iowa (MSTP Grand Rounds)  
University of Iowa (Allergy-Immunology Conference)
- 2003 Baylor College of Medicine

- University of Arizona
- 2002 University of Arizona  
Duke University  
University of Virginia  
Dartmouth Medical School  
International Agency for Research on Cancer, Lyon, France
- 2001 University of Colorado Health Sciences Center  
University of Minnesota  
Allergy, Asthma and Immunology Society of Greater New York
- 2000 Public Health Research Institute, NYC  
University of Medicine and Dentistry of New Jersey  
Long Island Jewish, Medical Grand Rounds  
Johns Hopkins University  
Erasmus University, Rotterdam  
University of Rome
- 1999 Cornell Medical School  
Columbia University, Department of Biology  
Interurban Club
- 1998 New York University, Skirball Institute  
Emory University  
University of Texas at San Antonio  
Yale University
- 1997 Memorial Sloan Kettering  
Loyola University  
Northwestern University  
Washington University, St. Louis  
Long Island Jewish Hospital  
Emory University  
Merck Research Laboratories  
Mt. Sinai School of Medicine  
Moffit Cancer Center
- 1996 Cornell Medical School  
Roche Biosciences  
University of Cincinnati  
University of Michigan  
New York University  
National Cancer Institute
- 1995 University of Virginia Medical School

- NYU Medical School
- North Shore University Hospital-Cornell University Medical College
- National Cancer Institute
- Center for Blood Research, Harvard Medical School
- Ligand Corporation
- Genzyme Corporation
- Holland Laboratory of the Red Cross
- Albert Einstein Medical School
  
- 1994 Rutgers University
- University of Washington
- Pfizer Inc.
- DNAX Research Institute
  
- 1993 University of Rochester School of Medicine
- Schering Plough Inc.
- Pfizer Inc
- CCNY
  
- 1992 IMP Vienna, Austria
  
- 1991 University of Massachusetts Medical School
- Uniformed Services University of Health Services
  
- 1990 University of Michigan
- DNAX Research Institute
- Harvard Medical School - Beth Israel Hospital
- University of Chicago Medical School
- Johns Hopkins Medical School
- Schering Plough Inc.
- North Shore University Hospital

Invited presentations at professional meetings:

- 2009 Keystone Symposia, Allergy and Asthma, Keystone, CO
  
- 2008 ATS
  
- 2007 ATS
  
- 2006 AAAAI
- Keystone Symposium, Asthma and Allergy, Breckenridge
- ATS
  
- 2005 American Diabetes Association

- 2004 Keystone Symposium, JAK-STAT, Whistler  
AAAAI – Plenary Session Speaker  
ATS - Plenary Session Speaker
- 2003 AAAAI
- 2002 12th annual BioCity Turku Symposium, Finland  
AAAAI  
ATS  
AHA
- 2001 AAAAI
- 2000 Pew Scholars Reunion, invited speaker  
American Thoracic Society  
AAAAI
- 1999- Keystone Symposium, Asthma, Lake Tahoe  
Cold Spring Harbor Symposium on Quantitative Biology  
Frontiers of Immunology and Cancer Biology, Harvard University
- 1998- European Association of Allergy and Clinical Immunology, Birmingham, England  
Walter Reed and the Naval Medical Research Council Symposia, Bethesda, MD  
Collegium Internationale Allergologicum, Corfu, Greece
- 1997- Gordon Conference, Medicinal Chemistry - New London, NH  
Pulmonary Research Group - New Brunswick, NJ  
International Association of Allergy and Clinical Immunology, Cancun, Mexico
- 1996- International Cytokine Meeting  
European Science Network "HLA and Allergy"  
NIH- Food Allergy Symposium  
Leukemia Society of America  
American Society of Hematology
- 1995- NIH Laboratory of Molecular Biology
- 1994- Interurban Club  
CPMC Cancer Center Retreat  
B Cell Meeting- N.C.I.  
AAAI
- 1993- AAAI - Lecturer, Molecular Biology Course
- 1992- International Congress of Immunology - Budapest  
IMP Vienna, Austria

FASEB Meeting Anaheim

1989- FASEB meeting Saxon River, Vt.  
International Congress Immunology-Berlin