CURRICULUM VITAE
PETER N. KAO, M.D., Ph.D

A. Identifying Data

1. Born: 1958

2. Nationality: U.S. Citizen

B. Complete Academic History

1. Colleges and Universities Attended

Harvard College, Cambridge, MA	1975 - 1979
Harvard University, Cambridge, MA	1978 - 1979
Columbia University, New York, NY	1980 - 1988
Columbia University College of Physicians & Surgeons, New York	1980 - 1988

2. Degrees with Dates Received

A.B. - Chemistry and Physics	1979
A.M. - Chemistry	1979
Medical Scientist Training Program	1980-1988
Ph.D. - Biochemistry	1986
M.D.	1988

3. Scholarships and Academic Honors

American Institute of Chemists Award, Harvard	1978
Cum Laude in Chemistry and Physics, Harvard	1979
Alfred Steiner Award for Medical Student Research, Columbia	1986
Associated Medical Schools of New York Research Award, Columbia	1986
Grass Fellowship in Neurophysiology, Marine Biological Laboratory, Woods Hole, MA	1986
Alpha Omega Alpha, Columbia	1987
Doctor Harold Lamport Biomedical Research Prize, Columbia	1988
Howard Hughes Medical Institute Postdoctoral Fellowship - "Signal Transduction in T Lymphocytes", Stanford	1990
Teaching Award: Outstanding Instructor, Respiratory Physiology course	1995

4. Fellowship and Residency Training

Residency in Internal Medicine, Stanford	1988-1990
Howard Hughes Postdoctoral Fellowship, Stanford	1990-1992
Pulmonary and Critical Care Medicine Fellowship, Stanford	1992-1995

C. Employment History

Acting Assistant Professor of Medicine, Stanford University, Stanford, CA	6/1/92 - 3/31/93
Assistant Professor of Medicine, Stanford University, Stanford, CA	4/1/93 - 8/21/2000
Associate Professor of Medicine with tenure Stanford University, Stanford, CA	8/22/2000 - present

D. Post Degree Honors and Awards

Howard Hughes Postdoctoral Fellowship for Physicians
NIH Research Career Development Award
Donald E. and Delia B. Baxter Award

E. Memberships in Professional Associations and Learned Societies

American Thoracic Society
American Association for the Advancement of Science

F. Board Certification and Licensure

Medical License in California	1989
Board Certified in Internal Medicine	1992
Board Certified in Pulmonary Medicine, valid	1994 - 2014
Board Certified in Critical Care Medicine, valid	1995 - 2014

G. Research Interests

Pulmonary Vascular Disease, Pulmonary Inflammation and Repair
Signal Transduction in Immune Cells, Immunosuppressant Mechanisms
Protein-DNA and protein-RNA interactions in regulation of gene expression

H. Grants / Studies

NIH Research Career Development Award – "T-cell Stimulation-Dependent Transcriptional Regulators"	5/93 - 4/98
Pharmagenesis Gift Fund "Novel Chinese Herbal Immunomodulators"	10/94 - 8/96
Donald E. and Delia B. Baxter Award - "Lung Injury and Repair"	4/95
NIH R0-1 AI39624-07 “T-cells in Lung Inflammation”	4/96 - 3/2006
NIH R0-1 HL62588-04 “Epithelial Cells in Lung Inflammation”	1/2000 –3/2004
Beckman Center Program in Molecular and Genetic Medicine “Lung Regeneration from Bone Marrow Stem Cells” Stanford University Co-Investigators: Judith Shizuru, MD, PhD, Bone Marrow Transplantation, Christopher Contag, PhD, Departments of Pediatrics, Microbiology and Radiology	7/2002-6/2005
Bio-X Interdisciplinary Initiatives Program Award, “Molecular Rheology of Lung Surfactant in Health and Disease” Stanford University Co-Investigator: Gerald Fuller, PhD. Chemical Engineering	3/2003-2/2005

Invited Lectures:

1. Invited speaker at ALA/ATS International Symposium, Symposium on T-cells in Lung Inflammation, San Francisco, May, 1993.

2. Invited speaker at ALA/ATS International Symposium, Sunrise Seminar on "Future Directions in Transplantation Immunosuppression." Boston, May, 1994.

3. Invited speaker, Medical Grand Rounds at Stanford University Medical Center, "Molecular mechanisms of Immunosuppression," October 28, 1993.

4. Invited speaker for Donald E. and Delia B. Baxter Foundation Award Presentation, "Lung Injury and Repair" Stanford University Medical Center, Stanford, CA February 27, 1995

5. Invited speaker at Allergan Pharmaceuticals, Irvine, CA, "Pulmonary Inflammation", September 13, 1995, host, Dr. Daniel Gil, Principal Scientist.

6. Invited speaker at Roche-Stanford Joint Symposium on Inflammation, "Cytokines in Lung Inflammation", June 18, 1996, Stanford University Medical Center, Stanford, CA

7. Invited speaker, Department of Medicine Research Seminar Series, "Control of Lung Inflammation" October 16, 1996, Stanford University Medical Center, Stanford, CA

8. Invited speaker, Division of Pulmonary and Critical Care Medicine, University of Virginia Health Sciences Center at Charlottesville, VA, "T-cells and epithelial cells in lung inflammation", March 20, 1998, host Dr. Jonathon Truitt, Associate Professor and Chief, Pulmonary and Critical Care Medicine.

9. Invited speaker, Division of Pulmonary Medicine, University of California at Davis, CA, "T-cells and epithelial cells in lung inflammation", April 24, 1998, host Dr. Rheen Wu, Professor of Medicine.

10. Invited speaker, Palo Alto Medical Foundation Research Institute, Palo Alto, CA "T-cells and epithelial cells in lung inflammation." June 9, 1998, hosts Drs. Allen D. Cooper, and Sandra Wilson.

11. Invited speaker, Department of Biochemistry and Molecular Biology, University of Medicine and Dentistry of New Jersey, "Regulation of T-cell activation by NF45, NF90, Ku and DNA-dependent protein kinase", July 20, 1998, host Dr. Michael Mathews, Professor and Chair, Department of Biochemistry and Molecular Biology.

12. Invited speaker, Departments of Medicine, Biochemistry and Microbiology, University of Virginia Health Sciences Center at Charlottesville, VA, "Ku and DNA-dependent protein kinase associate with NF45 and NF90 and regulate T-cell expression of IL-2", July 24, 1998, host Dr. Jonathon Truitt, Associate Professor and Chief, Pulmonary and Critical Care Medicine.

13. Invited speaker, Department of Physiology and Pharmacology, State University of New York, Health Sciences Center at Brooklyn, "The roles of NF45, NF90 and DNA-dependent protein kinase in T-cell activation", host Dr. Robert Wong, Professor and Chair, Physiology and Pharmacology.

14. Guest speaker, Division of Bone Marrow Transplantation, Duke University Medical Center, "Diterpenoid Immunosuppressant, PG490 (triptolide) inhibits T-cell activation and NF-κB transcription", May 6, 1999, host Dr. Nelson Chao, Associate Professor and Chief, Division of Bone Marrow Transplantation.

15. Guest speaker, Division of Rheumatology and Immunology, University of North Carolina at Chapel Hill, "DNA-dependent protein kinase interacts with Antigen Receptor Response Element Binding Proteins NF90 and NF45", May 7, 1999, host Dr. Westley Reeves, Professor of Medicine.

16. Invited speaker, Roche Biosciences Respiratory Unit, "Epithelial and T-cells in Lung Inflammation", June 30, 1999, host David Szymkowski, Ph.D. Scientist.

17. Invited speaker, Beijing Hospital, Respiratory Division, "A Novel Therapy for Pulmonary Hypertension," and "Smoking and Lung Cancer; DNA Microarray Analysis of Gene Expression in Lung Cancer," November 1 and 2, 2001, host Teiyang Sun, MD, Chief, Respiratory Medicine.

18. Invited speaker, Palo Alto Veterans Administration Pulmonary Grand Rounds, "Novel Therapy for Pulmonary Hypertension," November 7, 2001, host Ware Kushner, MD.

19. Invited speaker, Shanghai Childrens' Medical Center, Shanghai, China "Simvastatin for Treatment of Pulmonary Hypertension" October 29, 2002, host Xiaoming Shen, M.D., President of Xinhua Hospital, Shanghai, China.

21. Invited Speaker, Stanford University Division of Cardiology Vascular Medicine Lecture Series, "Simvastatin Treatment for Pulmonary Hypertension," June 3, 2003, host John Cooke, MD, PhD, Professor of Medicine.

20. Invited speaker, Translational Research Seminar Series, Stanford University Beckman Center and Department of Medicine, "Lung Regeneration from Bone Marrow Stem Cells," June 16, 2003, host Lucy Shapiro, Professor of Developmental Biology

21. Invited Speaker, Internal Medicine Grand Rounds, Stanford University Medical Center, "Translating Simvastatin into a Treatment for Pulmonary Hypertension," October 9, 2003, host Kelly Skeff MD, PhD, Professor of Medicine

22. Invited Speaker, Pulmonary Medicine Grand Rounds, University of California at San Francisco, "Translating Simvastatin into a Treatment for Pulmonary Hypertension," October 28, 2003, host George Caughey, MD, Professor of Medicine

23. Invited Speaker, Cardio-Pulmonary Research in Progress Seminar, "Translating Simvastatin into a Treatment for Pulmonary Hypertension," October 30, 2003, Vera Moulton Wall Center for Pulmonary Vascular Diseases at Stanford, host Marlene Rabinovitch, MD Professor of Pediatrics

National Institutes of Health Grant Review Service:

Ad hoc reviewer: NIH National Institute of Allergy and Infectious Diseases:
Special Emphasis Panel "Asthma and Allergic Diseases Research Centers"RFA-NIH-NIAID-AI-00-012
April 9-11, 2001

Ad hoc reviewer: NIH National Heart Lung and Blood Institute:
"Cardiovascular, Lung, and Blood Immunobiology in Health and Disease" RFA-NIH-NHLBI HL01-003
July 12, 13, 2001

Ad hoc reviewer: NIH National Heart Lung and Blood Institute:
Lung Cellular and Molecular Immunology Study Section
June 2-3, 2004

National Institutes of Health Working Group:

"Translational Research in Primary Pulmonary Hypertension", sponsored by the National Heart Lung and Blood Institute and the Office of Rare Diseases. March 3-4, 2003.

Journal Reviewer:
American Journal of Respiratory and Critical Care Medicine
American Journal of Physiology (Lung Cellular and Molecular Physiology)
Chest
Cytokine
Journal of the American College of Cardiology
Molecular and Cellular Biology

BIBLIOGRAPHY

Journal Articles

1. Kao, P.N., and Turner, P.H. Conformational study of cyclohexanecarboxaldehyde by microwave spectroscopy. J. Am. Chem. Soc. 101:4497-4499, 1979.

2. Kao, P.N., James-Kracke, M.R., and Kao, C.Y. The active guanidinium group of saxitoxin and neosaxitoxin identified by the effects of pH on their activities in squid axon. Pflugers Arch 398:199-203, 1983.

3. Kao, P.N., Dwork, A.J., Kaldany, R.R., Silver, M.L., Wideman, J., Stein, S. and Karlin, A. Identification of the alpha subunit half-cystine specifically labeled by an affinity reagent for the acetylcholine receptor binding site. J. Biol. Chem. 259:11662-11665, 1984.

4. Lobel, P., Kao, P.N., Birken, S., and Karlin, A. Binding of a curarimimetic toxin from cobra venom to the nicotinic acetylcholine receptor: Interactions of six biotinyltoxin derivatives with receptor and avidin. J. Biol. Chem. 260:10605-10612, 1985.

5. Kao, C.Y., Kao, P.N., James-Kracke, M.R., Koehn, F.E., Wichmann, C.F., and Schnoes, H.K. Actions of epimers of 12-(OH) reduced saxitoxin and of 11 (OSO3) saxitoxin on squid axons. Toxicon 23:647-655, 1985.

6. Kao, P.N., and Karlin, A. Acetylcholine receptor binding site contains a disulfide crosslink between adjacent half-cystinyl residues. J. Biol. Chem. 261:8085-8088, 1986.

7. Karlin, A., Kao, P.N., and DiPaola, M. Molecular pharmacology of the nicotinic acetylcholine receptor. Trends in Pharmacol Sci. 7:304-308,1986.

8. Valderrama, R., Eggers, A.E., Moomjy, M., Kao, P.N., and Michl, J. Treatment of experimental myasthenia with autologous idiotypes linked to muramyl dipeptide. Clin. Exp. Immunol. 73: 123-7, 1988.

9. DiPaola, M., Kao, P.N., and Karlin, A. Mapping the alpha-subunit site photolabeled by the noncompetitive inhibitor (^{3}H) quinacrine azide in the active state of the nicotinic acetylcholine receptor. J. Biol. Chem. 265:11017-11029, 1990.

10. Corthésy B., and Kao P.N. Purification by DNA affinity chromatography of two polypeptides that contact the NFAT DNA-binding site in the IL-2 promoter. J. Biol. Chem. 269: 20682-20690, 1994.

11. Kao P.N., Chen L., Brock G.B., Ng J., Kenny J., Smith A.J., and Corthésy, B. Cloning and expression of Cyclosporin A- and FK506-Sensitive Nuclear Factor of Activated T-Cells: NF45 and NF90. J. Biol. Chem. 269: 20691-20699, 1994.

12. Cao, W.W., Kao, P.N., Chao, A.C., Gardner, P., Ng, J., and Morris, R.E. Mechanism of the antiproliferative action of leflunomide. J. Heart Lung Transplant. 14: 1016-1030, 1995.

13. Cao W.W, Kao P.N., Aoki Y., Xu J.C., Shorthouse R.A., and Morris R.E. A novel mechanism of action of the immunomodulatory drug, leflunomide: augmentation of the immunosuppressive cytokine, TGF-beta 1, and suppression of the immunostimulatory cytokine, IL-2. Transplant. Proc. 28(6): 3079-3080, 1996.

14. Aoki, Y., Qiu, D., Uyei, A., and Kao, P.N. Human Airway Epithelial Cells Express Interleukin-2 In Vitro. Am. J. Physiol. 272: L276-L286, 1997.

15. Kalassian, K.G., Doyle, R.D., Kao, P.N., Ruoss, S.R., and Raffin, T.A. Lymphangioleiomyomatosis: New Insights. Am. Rev. Resp. Crit. Care Med. 155: 1183-1186, 1997.

16. Aoki, Y., and Kao, P.N. Cyclosporin A-sensitive calcium signaling represses NF-κB activation in human bronchial epithelial cells and enhances NF-κB activation in Jurkat T-cells. Biochem. Biophys. Res. Comm. 234: 424-431, 1997.

17. Ting, N.S.Y., Kao, P.N., Chan, D.W., Lintott, L.G., and Lees-Miller, S.P. DNA-dependent protein kinase interacts with antigen receptor response element binding proteins NF90 and NF45. J. Biol. Chem. 273: 2136-2145, 1998.

18. Huang, J.H., Oefner, P.J., Adi, V., Ratnam, K., Ruoss, S.J., Trako, E., and Kao, P.N. (1998) Analyses of the *NRAMP1* and *IFN-g* Receptor 1 genes in women with MAI pulmonary disease. Am. J. Resp. Crit. Care Med. 157: 377-381, 1998.

19. Aoki, Y. Qiu, D., Zhao, G., and Kao, P.N. Leukotriene B4 mediates histamine induction of NF-κB and IL-8 in human bronchial epithelial cells. Am. J. Physiol. 274: L1030-1039, 1998.

20. Aoki, Y., Qiu, D., Zhao, G.-H., and Kao, P.N. CsA-sensitive purine-box transcriptional regulator in bronchial epithelial cells contains NF45, NF90 and Ku. Am. J. Physiol. 275: L1164-1172, 1998.

21. Wang, S.Y., Yoshino, M., Sui, J.L., Wakui, M, Kao, P.N., and Kao, C.Y. Potassium currents in freshly dissociated uterine myocytes from nonpregnant and late pregnant rats. J. Gen. Physiol. 112: 737-756, 1998.

22. Faul J.L., Ruoss S., Doyle R.L., Kao P.N. Diaphragmatic paralysis due to Lyme disease. Eur. Respir. J. 13: 700-2, 1999

23. Huang, J.H., Kao, P.N., Adi, V., Ruoss, S.J. Mycobacterium avium-intracellulare pulmonary infection in HIV-negative patients without preexisting lung disease: diagnostic and management limitations. Chest 115: 1033-40, 1999.

24. Qiu, D., Zhao, G., Aoki, Y., Shi, L., Uyei, A., Nazarian, S., Ng, J. C.-H., and Kao, P.N. Immunosuppressant PG490 (Triptolide) inhibits T-cell Interleukin-2 expression at the level of purine-box/Nuclear Factor of Activated T-cells and NF-κB transcriptional activation. J. Biol. Chem. 274: 13443-13450, 1999.

25. Lee, K.Y., Chang, W.-T., Qiu, D., Kao, P.N. and Rosen, G.D. PG490 (Triptolide) cooperates with tumor necrosis factor-α to induce apoptosis in tumor cells. J. Biol. Chem. 274: 13451-13455, 1999.

26. Langland, J.O., Kao, P.N. and Jacobs, B.L., Nuclear Factor-90 of Activated T-cells: A Double-stranded RNA-binding protein and substrate for the Double-Stranded RNA-Dependent Protein Kinase, PKR. Biochemistry, 38: 6361-6368, 1999.

27. Faul J.L., Doyle R.L., Kao P.N., Ruoss S.J. Tick-borne pulmonary disease: update on diagnosis and management. Chest 116: 222-30, 1999.

28. Aoki, Y. and Kao, P.N. Erythromycin inhibits transcriptional activation of NF-κB, but not NF-AT, through calcineurin-independent signaling in T cells. Antimicrob Agents Chemother. 43: 2678-84, 1999.

29. Satoh, M., Shaheen, V.M., Kao, P.N., Okano, T., Shaw, M., Yoshida, H., Richard, H.B., and Reeves, W.H. Autoantibodies define a family of protein with conserved double-stranded RNA binding domains as well as DNA-binding activity. J. Biol. Chem. 274: 34598-34604, 1999.

30. Tang, J., Kao, P.N., and Herschman, H.R. Protein Arginine Methyltransferase I (PRMT1), the Predominant Protein Arginine Methyltransferase in Cells, Interacts with and is Regulated by Interleukin Enhancer Binding Factor 3. J. Biol. Chem. 275: 19866-19876, 2000.

31. Zhao, G., Vaszar, L.T., Qiu, D., Shi, L, and Kao, P.N., Antiinflammatory effects of triptolide in human bronchial epithelial cells. Am. J. Physiol. 279: L958-L966, 2000.

32. Faul, J.L., Nishimura, T., Berry, G.J., Benson, G., Pearl, R.G., and Kao, P.N. Triptolide Attenuates Pulmonary Arterial Hypertension and Neointimal Formation in Rats. Am. J. Resp. Crit. Care Med. 162: 2252-2258, 2000.

33. Nishimura, T., Faul, J.L., Berry, G.J., Veve, I., Pearl, R.G., and Kao, P.N. RAD Attenuates Pulmonary Arterial Hypertension and Neointimal Formation in Rats. Am. J. Resp. Crit. Care Med. 163: 498-502, 2001.

34. Chu, J.W., Kao, P.N., Faul, J.L., and Doyle, R.D. High prevalence of autoimmune thyroid disease in pulmonary arterial hypertension. Chest 122: 1668-73, 2002.

35. Nishimura, T., Faul, J.L., Vaszar, L., Berry, G.J., Qiu, D., Pearl, R.G., and Kao, P.N. Simvastatin attenuates smooth muscle neointimal proliferation and pulmonary hypertension in rats. Am. J. Resp. Crit. Care Med. 166: 1403-8, 2002

36. Theise, N. D., Henegariu, O., Grove, J., Jagirdar, J., Kao, P. N., Crawford, J. M., Badve, S., Saxena, R., Krause, D. S. Radiation pneumonitis in mice. A severe injury model for pneumocyte engraftment from bone marrow. Exp Hematol. 30: 1333-1338, 2002

37. Qiu, D. and Kao, P.N. Immunosuppressive and Anti-Inflammatory Mechanisms of Triptolide, the Principal Active Diterpenoid from the Chinese Medicinal Herb *Tripterygium wilfordii* Hook. f. Drugs in R&D, 4(1):1-18, 2003.

38. Nishimura, T., Faul, J.L., Berry, G.J., Kao, P.N. and Pearl, R.G. The Effect Of A Surgical Aorto-Caval Fistula On Monocrotaline-Induced Pulmonary Hypertension. Crit. Care Med. 31(4): 1213-18, 2003.

39. Kao, P.N., and Faul, J.L. Emerging therapies for pulmonary hypertension: Striving for efficacy and safety. J. Am. Coll. Cardiol. 41(12):2126-9, 2003.

40. Reichman TW, Parrott AM, Fierro-Monti I, Caron DJ, Kao PN, Lee CG, Li H, Mathews MB. Selective regulation of gene expression by nuclear factor 110, a member of the NF90 family of double-stranded RNA-binding proteins. J Mol Biol. 2003 Sep 5;332(1):85-98.

41. Nishimura, T., Vaszar, L.T., Faul, J.L., Zhao, G., Berry, G.J., Shi, L., Qiu, D., Benson, G., Pearl, R.G., and Kao, P.N. Simvastatin rescues rats from fatal pulmonary hypertension by inducing apoptosis of neointimal smooth muscle cells. Circulation 108(13): 1640-5, 2003.

42. Isken O, Grassmann CW, Sarisky RT, Kann M, Zhang S, Grosse F, Kao PN, Behrens SE. Members of the NF90/NFAR protein group are involved in the life cycle of a positive-strand RNA virus. EMBO J. 2003 Nov 3;22(21):5655-5665.

43. Vaszar, L.T., Nishimura, T., Storey, J.D., Zhao, G., Qiu, D., Faul, J.L., Pearl, R.G. and Kao, P.N. Longitudinal transcriptional analysis of developing neointimal vascular occlusion and pulmonary hypertension in rats. Physiological Genomics 2004 17: 150-6.

44. Newman, JH…Kao, PN, …Gail, DB Pulmonary Arterial Hypertension: Future Directions *Report of an NHLBI/ORD Workshop*. Circulation 109:2947-2952, 2004

Book Chapters

1. Karlin, A., Cox, R.N., DiPaola, M., Holtzman, E., Kao, P.N., Lobel, P., Wang, L., and Yodh, N. Functional domains of the nicotinic acetylcholine receptor. In: "The Second Colloquium in Biological Science", Annals N.Y. Acad. Sci. 463:53-69, 1986.

2. Karlin, A., DiPaola, M., Kao, P.N., and Lobel, P: Functional sites and transient states of the nicotinic acetylcholine receptor. In: "Proteins of Excitable Membranes" eds. Hille, B. and Fambrough, D.M. John Wiley and Sons, Inc. New York, 1987.

Abstracts (selected)

1. Kao, P.N., James-Kracke, M.R., Kao, C.Y., Wichtman, C.F., and Schnoes, H.K. Identification of the active guanidinium group in saxitoxin. Biol. Bull. 161:347, 1981.

2. Kao, P.N., Dwork, A.J., Kaldany, R. R., Silver, M.L., Wideman, J., Stein, S., and Karlin A. Cysteine residues contributing to the binding site disulfide bond in the nicotinic acetylcholine receptor. Soc. Neurosci. Abstr. 10:935, 1984.

3. Kao, P.N., and Karlin, A. Disulfide crosslink between adjacent half-cystinyl residues at the acetylcholine binding site. Biophys. J. 49:5a, 1986.

4. DiPaola, M., Kao, P.N., and Karlin, A. Residues at the acetylcholine binding site and at a noncompetitive inhibitor binding site may be contained in a single functional domain of the receptor alpha subunit. Soc. Neurosci. Abstr. 12:961, 1986.

5. Karlin, A., DiPaola, M., Kao, P.N., Wang, L., and Chak, A. Functional sites of the nicotinic acetylcholine receptor. Biophys. J. 51:189a, 1987.

6. Kao, P.N. Modification of saxitoxin binding site of squid giant axon by carbodimide but not by trimethyloxonium. Biophys. J. 51:438a, 1987.

7. Kao, P.N. and Corthésy, B. NFAT-sequence-specific DNA-binding protein is a novel heterodimer 45-kDa and 90-kDa subunits. J. Cellular Biochemistry, Suppl. 18C:47, 1994.

8. Cao, W., Kao, P., Xu, J., Chao, A., Gardner, P. and Morris, R. Studies of the Immunosuppressive Actions of A1726, the Active Metabolite of Leflunomide (LFM): Description of a Novel Mechanism of Action for the Anti-Proliferative Effects on Lymphocytes. J. Heart Lung Transplant. 1995.

9. Soghikian, M.V. and Kao, P.N. CMV IE1 causes CsA- and FK506-sensitive enhancement of IL-2 and NF-AT. Am. J. Resp. Crit. Care Med. 151(4) A167, 1994.

10. Aoki, Y., and Kao, P.N.. Constitutive and Inducible Expression of Interleukin-2 by human airway epithelial cells. Am. J. Resp. Crit. Care Med. 153(4) A729, 1996.

11. Huang, J.H., Adi, V., Oefner, P., Ratnam, K., Trako, E., Aoki, Y., Ruoss, S.J., and Kao, P.N. Analysis of NRAMP1 gene in non-HIV patients with Mycobacterium avium intracellulare (MAI) bronchiectasis. Am. J. Resp. Crit. Care Med. 154(4) A335, 1997.

12. Aoki, Y, Qiu, D, and Kao, P.N. Histamine induces airway epithelial cell IL-8 expression via 5-lipoxygenase signaling to NFkB. Am. J. Resp. Crit. Care Med. 154(4) A357, 1997.

13. Qiu, D., Aoki, Y., and Kao, P.N. Drug modulation of human lung fibroblast KGF expression. Am. J. Resp. Crit. Care Med. 154(4) A467, 1997.

14. Aoki, Y., and Kao, P.N. Cell type-specific regulation of transcription factors NFAT and NFkB: A comparison of between T-cells and bronchial epithelial cells. Am. J. Resp. Crit. Care Med. 157(3) A484, 1998.

15. Huang, J.H., Kao, P.N., and Ruoss, S.J. Mycobacterium avium intracellulare (MAI) pulmonary disease in HIV-negative adults: A university medical center experience. Am. J. Resp. Crit. Care Med. 157(3)) A580, 1998.

Other Publications

1. Ph.D. Thesis: "Location of functionally significant sites in the sequence of the acetylcholine receptor alpha subunit." 1982-1986