**September 3, 2018**

**CURRICULUM VITAE**

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**Certification:**

**I certify that the information included in this document represents an accurate and updated version of my Curriculum Vitae.**



**John J. Fung September 3, 2018**

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**ACADEMIC APPOINTMENTS**

1988 Instructor, Department of Surgery, Transplantation Division, University of Pittsburgh, Pittsburgh, PA

1989-1991 Assistant Professor, Department of Surgery, Transplantation Division, University of Pittsburgh, Pittsburgh, PA

1991-1998 Associate Professor, Department of Surgery, Transplantation Division, University of Pittsburgh, Pittsburgh, PA

1998-2004 Professor with Tenure, Department of Surgery, Transplantation Division, University of Pittsburgh, Pittsburgh, PA

2000-2004 Inaugural Holder, Thomas E. Starzl Professorship in Transplantation Surgery, Department of Surgery, Transplantation Division, University of Pittsburgh, Pittsburgh, PA

2004-2006 Adjunct Professor, Department of Surgery, University of Pittsburgh, Pittsburgh, PA

2004-2010 Chairman, Department of General Surgery, Cleveland Clinic, Cleveland, OH

2008-2010 Chairman, Department of Hepato-pancreato-biliary and Transplant Surgery, Cleveland Clinic, Cleveland, OH

2008-2016 Professor, Department of Surgery, Cleveland Clinic Lerner College of Medicine, Case Western Reserve University, Cleveland, OH

2010-2015 Chairman, Digestive Disease Institute, Cleveland Clinic, Cleveland OH

2010-2016 Chairman, Department of Surgery, Cleveland Clinic Lerner College of Medicine, Case Western Reserve University, Cleveland, OH

2016-present Chief, Division of Transplant Surgery, University of Chicago, Chicago, IL

2016-present Professor, Department of Surgery, University of Chicago Pritzker School of Medicine, Chicago, IL

**OTHER APPOINTMENTS**

1987-1988 Interim Director, Histocompatibility Laboratory, University of Rochester, Rochester, NY

2002-2004 Scientific Director, ISMETT, University of Pittsburgh Medical Center, Palermo, Sicily

2010-2016 Medical Director, Allogen Laboratory, Cleveland, OH

2014-2016 Director, Cleveland Clinic Health System Center for Transplantation

2016-present Director, UChicago Medicine Transplantation Institute

**ACADEMIC TRAINING**

1972-1975 B.A., Biology, Johns Hopkins University, Division of Arts and Sciences, Baltimore, MD

1975-1980 Ph.D., Immunology, University of Chicago, Committee on Immunology, Chicago, IL

1975-1982 M.D., University of Chicago, Pritzker School of Medicine, Chicago, IL

1982-1983 Internship, General Surgery, Strong Memorial Hospital, University of Rochester, Rochester, NY

1983-1984 Assistant Resident, General Surgery, Strong Memorial Hospital, University of Rochester, Rochester, NY

1984-1986 Clinical Research Fellow, Transplantation Division, University of Pittsburgh, Pittsburgh, PA

1984-1986 Research Fellow, Tissue Typing Laboratory, University of Pittsburgh, Pittsburgh, PA

1986-1987 Senior Resident, General Surgery, Strong Memorial Hospital, University of Rochester, Rochester, NY

1987-1988 Chief Resident, General Surgery, Strong Memorial Hospital, University of Rochester, Rochester, NY

1988-1989 Clinical Multiorgan Transplant Fellow, Transplantation Division, University of Pittsburgh, Pittsburgh, PA

*Military Service*

1987-2003 Lieutenant Colonel, Honorable Discharge, United States Army Reserve Medical Corps

1989-2004 Active Staff, Veterans Administration Medical Center, Pittsburgh, PA

1990-1991 Active Duty, Walter Reed Army Medical Center, Washington DC

**BOARD CERTIFICATION AND LICENSURE**

1983-1989 New York State Medical License (155849-1) (inactive)

1984-2004 Pennsylvania State Medical License (MD-032350-E) (inactive)

1988 Advanced Trauma Life Support

1989 American Board of Surgery

1998 Re-certification, American Board of Surgery

2004-present Ohio State Medical License (35.085196)

2008 Re-certification, American Board of Surgery

2013-present Florida State Medical License (ME-117970)

2015 Advanced Trauma Life Support

2016-present Illinois State Medical License (036.141746)

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**SCHOLARSHIP**

*(a) Peer-reviewed publications in the primary literature, exclusive of abstracts:*

1. Köhler H, Fung JJ, Smyk S. **Induced recovery of a suppressed idiotype by immunization with anti-idiotype**. Cell Immunol 52:458-463, 1980.
2. Fung JJ, Köhler H. **Immune response to phosphorylcholine VII. Functional evidence for three separate B cell subpopulations responding to TI and TD PC-antigens**. J Immunol 126:640-646, 1980.
3. Fung JJ, Köhler H. **Late clonal selection and expansion of the TEPC-15 germ-line specificity**. J Exp Med 153:1262-1273, 1980
4. Fung JJ, Köhler H. **Mechanism of neonatal idiotype suppression. I. State of the suppressed B cells**. J Immunol 125:1998-2003, 1980.
5. Fung JJ, Köhler H. **Mechanism of neonatal idiotype suppression. II. Alterations in the T cell compartment suppress the maturation of B cell precursors**. J Immunol 125:2489-2495, 1980.
6. Fung JJ, Gleason K, Ward R, Kohler H: **Maturation of B-cell clones**. Prog Clin Biol Res 42:203-214, 1980.
7. Köhler H, Smyk S, Fung JJ. **Immune response to phosphorylcholine VIII. The response of CBA/N mice to PC-LPS**. J Immunol 126:1790-1793, 1981.
8. Fung JJ, Zeevi A, Kaufman C, Paradis IL, Dauber JH, Hardesty RL, Griffith B, Duquesnoy RJ. **Interactions between bronchoalveolar lymphocytes and macrophages in heart-lung transplant recipients**. Human Immunol 14:287-294, 1985.
9. Zeevi A, Fung JJ, Paradis IL, Dauber JH, Griffith B, Hardesty RL, Duquesnoy RJ. **Lymphocytes of bronchoalveolar lavages from heart-lung transplant recipients**. Heart Transplantation 4:417-421, 1985.
10. Starzl TE, Fung JJ. **OKT3 monoclonal antibodies and organ transplantation** **[Editorial].**  Dateline: Issues in Transplantation, 1985.
11. Zeevi A, Fung JJ, Zerbe T, Kaufman C, Rabin B, Griffith B, Hardesty RL, Duquesnoy RJ. **Allospecificity of activated T cells grown from endomyocardial biopsies from heart transplant patients**. Transplantation 41:620-626, 1986.
12. Fung JJ, Zeevi A, Starzl TE, Demetris AJ, Iwatsuki S, Duquesnoy RJ. **Functional characterization of infiltrating T lymphocytes in human hepatic allografts**. Human Immunol 16:182-199, 1986.
13. Starzl TE, Fung JJ. **Orthoclone OKT3 in treatment of allografts rejected under cyclosporine-steroids therapy**. Transplant Proc 18:937-941, 1986.
14. Fung JJ, Zeevi A, Markus B, Zerbe TR, Duquesnoy RJ. **Dynamics of allospecific T lymphocyte infiltration in vascularized human allografts**. Immunol Res 5:149-163, 1986.
15. Gordon RD, Fung JJ, Markus B, Fox I, Iwatsuki S, Esquivel CO, Tzakis AG, Todo S, Starzl TE. **The antibody crossmatch in liver transplantation**. Surgery 100:705-715, 1986.
16. Fung JJ, Demetris AJ, Porter KA, Iwatsuki S, Gordon RD, Esquivel CO, Jaffe R, Tzakis A, Shaw BW, Jr, Starzl TE. **Use of OKT3 with cyclosporine and steroids for reversal of acute kidney and liver allograft rejection**. Nephron 46:19-33, 1987.
17. Fung JJ, Makowka L, Griffin M, Duquesnoy RJ, Tzakis AG, Starzl TE. **Successful sequential liver-kidney transplantation in patients with preformed lymphocytotoxic antibodies**. Clin Transplant 1:187-194, 1987.
18. Esquivel CO, Fung JJ, Markus B, Iwatsuki S, Gordon RD, Makowka L, Marsh Jr JW, Tzakis AG, Todo S, Starzl TE. **OKT3 in the reversal of acute hepatic allograft rejection**. Transplant Proc 19:2443-2446, 1987.
19. Fung JJ, Markus BH, Gordon RD, Esquivel CO, Makowka L, Tzakis AG, Starzl TE. **Impact of orthoclone OKT3 on liver transplantation**. Transplant Proc 19:37-44, 1987.
20. Fung JJ, Griffin M, Duquesnoy R, Shaw B, Starzl TE. **Successful sequential liver-kidney transplantation in a patient with preformed lymphocytotoxic antibodies**. Transplant Proc 19:767-768, 1987.
21. Markus BH, Fung JJ, Zeevi A, Starzl TE, Demetris AJ, Duquesnoy RJ. **Analysis of T lymphocytes infiltrating human hepatic allografts**. Transplant Proc 19:2470-2473, 1987.
22. Duquesnoy RJ, Zeevi A, Fung JJ, Kaufman C, Zerbe TR, Griffith B, Trento A, Kormos R, Hardesty R. **Sequential infiltration of class I and class II specific alloreactive T cells in human cardiac allografts**. Transplant Proc 19:2560-2563, 1987.
23. Zeevi A, Fung JJ, Paradis IL, Gryzan S, Dauber JH, Hardesty RL, Griffith B, Trento A, Saidman S, Duquesnoy RJ. **Bronchoalveolar macrophage-lymphocyte reactivity in heart-lung transplant recipients**. Transplant Proc 19:2537-2540, 1987.
24. Gordon RD, Starzl TE, Fung JJ, Iwatsuki S, Esquivel CO, Tzakis A, Todo S. **Monoclonal antibody therapy with ciclosporin and steroids in nonmatched cadaveric renal transplants**. Nephron 46:56-59, 1987.
25. Markus BH, Fung JJ, Gordon RD, Vanek M, Starzl TE, Duquesnoy RJ. **HLA histocompatibility and liver transplant survival**. Transplant Proc 19:63-65, 1987.
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32. Markus BH, Duquesnoy RJ, Gordon RD, Fung JJ, Vanek M, Klintmalm G, Bryan C, Van Thiel D, Starzl TE. **Association of HLA compatibility and decreased liver transplant survival**. Transplant Proc 20(Suppl 1):43-44, 1988.
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34. Markus BH, Demetris AJ, Saidman S, Fung JJ, Zeevi A, Starzl TE, Duquesnoy RJ. **Alloreactive T lymphocytes cultured from liver transplant biopsies: Associations of HLA specificity with clinicopathological findings**. Clin Transplant 2:70-75, 1988.
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40. McCauley J, Bronsther O, Fung JJ, Todo S, Starzl TE. **Successful treatment of cyclosporine induced hemolytic uremic syndrome with FK506 [Letter to Editor]**. Lancet 2:1516, 1989.
41. Ikeda T, Yanaga K, Kusne S, Fung JJ, Higashi H, Starzl TE.  **Sterility of bile in multiple organ donors**. Transplantation 49(3):653, 1990.
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51. Alessiani M, Kusne S, Martin FM, Fung JJ, Jain A, Todo S, Simmons R, Starzl TE. **Infections with FK506 immunosuppression: Preliminary results with primary therapy**. Transplant Proc 22(1):44-46, 1990.
52. Staschak S, Wagner S, Block G, Van Thiel DH, Jain A, Fung JJ, Todo S, Starzl TE. **A cost comparison of liver transplantation with FK506 or CyA as the primary immunosuppressive agent**. Transplant Proc 22(1):47-49, 1990.
53. Cadoff EM, Venkataramanan R, Krajack A, Jain AS, Fung JJ, Toto S, Starzl TE. **Assay of FK506 in plasma**. Transplant Proc 22(1):50-51, 1990.
54. Venkataramanan R, Jain A, Cadoff E, Warty V, Iwasaki K, Nagase K, Krajack A, Imventarza O, Todo S, Fung JJ, Starzl TE. **Pharmacokinetics of FK506: Preclinical and clinical studies**. Transplant Proc 22(1):52-56, 1990.
55. Jain AB, Venkataramanan R, Cadoff E, Fung JJ, Todo S, Krajack A, Starzl TE. **Effect of hepatic dysfunction and T tube clamping on FK506 pharmacokinetics and trough concentrations**. Transplant Proc 22(1):57-59, 1990.
56. Zeevi A, Eiras G, Burckart G, Jain A, Krajack A, Venkataramanan R, Todo S, Fung JJ, Starzl TE, Duquesnoy RJ. **Bioassay of plasma specimens from liver transplant patients on FK506 immunosuppression**. Transplant Proc 22(1):60-63, 1990.
57. Murase N, Kim D, Todo S, Cramer DV, Fung JJ, Starzl TE. **Induction of liver, heart, and multivisceral graft acceptance with a short course of FK506**. Transplant Proc 22(1):74-75, 1990.
58. Francavilla A, Barone M, Starzl TE, Zeevi A, Scotti C, Carrieri G, Mazzaferro V, Prelich J, Todo S, Eiras G, Fung JJ, Porter KA. **FK506 as a growth control factor**. Transplant Proc 22(1):90-92, 1990.
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61. Demetris AJ, Qian S, Sun H, Fung JJ. **Liver allograft rejection: An overview of morphologic findings**. Am J Surg Pathol 14(Suppl 1):49-63, 1990.
62. Murase N, Demetris AJ, Kim DG, Todo S, Fung JJ, Starzl TE. **Rejection of the multivisceral allografts in rats: A sequential analysis with comparison to isolated orthotopic small bowel and liver grafts**. Surgery 108(5):880-889, 1990.
63. Demetris AJ, Todo S, Van Thiel DH, Fung JJ, Sysyn G, Ming W, Kakizoe S, Starzl TE. **Evolution of hepatitis B virus (HBV) liver disease after hepatic replacement: Practical and theoretical considerations**. Am J Pathol 137(3):667-676, 1990.
64. Starzl TE, Fung JJ, Jordan M, Shapiro R, Tzakis AG, McCauley J, Johnston J, Iwaki Y, Jain A, Alessiani M, Todo S. **Kidney Transplantation under FK506**. JAMA 264(1):63-67, 1990.
65. Markus PM, Cai X, Hoffman AL, Kunz HW, Hoffmann S, Fung JJ. **The effect of thymus transplantation on allograft rejection in thymectomized bone marrow chimeras**. Transplant Proc 22(6):2536-2538, 1990.
66. Todo S, Fung JJ, Starzl TE, Tzakis A, Demetris AJ, Kormos R, Jain A, Alessiani M, Takaya S. **Liver, kidney, and thoracic organ transplantation under FK506**. Ann Surg 212(3):295-307, 1990.
67. Starzl TE, Fung JJ. **Transplantation**. JAMA 263(19):2686-2687, 1990.
68. Murase N, Kim DG, Todo S, Cramer DV, Fung JJ, Starzl TE. **Suppression of allograft rejection with FK506 I: Prolonged cardiac and liver survival in rats following short-course therapy**. Transplantation 50(2):186-189, 1990.
69. Murase N, Kim DG, Todo S, Cramer DV, Fung JJ, Starzl TE. **FK506 suppression of heart and liver allograft rejection. II: The Induction of graft acceptance in rats**. Transplantation 50(5):739-744, 1990.
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71. Tzakis AG, Ricordi C, Alejandro R, Zeng Y, Fung JJ, Todo S, Demetris AJ, Mintz DH, Starzl TE. **Pancreatic islet transplantation after upper abdominal exenteration and liver replacement**. Lancet 336(8712):402-405, 1990.
72. McCauley J, Tzakis AG, Fung JJ, Todo S, Starzl TE. **Treatment with FK506 of steroid resistant focal sclerosing glomerulonephritis (FSGN) of childhood [Letter to Editor]**. Lancet 335:674, 1990.
73. Saidman SL, Duquesnoy RJ, Zeevi A, Fung JJ, Starzl TE, Demetris AJ. **Recognition of major histocompatibility complex antigens on cultured human biliary epithelial cells by alloreactive lymphocytes**. Hepatology 13(2):239-246, 1991.
74. Todo S, Demetris AJ, Van Thiel D, Teperman L, Fung JJ, Starzl TE. **Orthotopic liver transplantation for patients with hepatitis B virus (HBV) related liver disease**. Hepatology 13(4):619-626, 1991.
75. Markus, PM, Van den Brink MRM, Luchs BA, Fung JJ, Starzl TE, Hiserodt JC. **Effects of in vivo treatment with FK506 on natural killer cells in rats**. Transplantation 51(4):913-915, 1991.
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79. Starzl TE, Porter KA, Mazzaferro V, Todo S, Fung JJ, Francavilla A. **Hepatotrophic effects of FK506 in dogs**. Transplantation 51(1):67-70, 1991.
80. Tzakis AG, Todo S, Madariaga J, Tzoracoeleftherakis E, Fung JJ, Starzl TE. **Upper-abdominal exenteration in transplantation for extensive malignancies of the upper abdomen - An update**. Transplantation 51(3):727-728, 1991.
81. Tzakis AG, Fung JJ, Todo S, Reyes J, Green M, Starzl TE.  **Use of FK506 in pediatric patients**. Transplant Proc 23(1 Pt. 2):924-927, 1991.
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87. Kusne S, Martin M, Shapiro R, Jordan M, Fung JJ, Alessiani M, Jain A, Todo S, Starzl TE. **Early infections in kidney transplant recipients under FK506**. Transplant Proc 23(1Pt. 2):956-957, 1991.
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**FUNDING**

*(a) Past:*

1. U.S. Publich Health Service T32-GMO 7281. “Medical Scientist Training Grant.” Project period: 1975-1982.

2. Irvington House Institute for Medical Research 5-34355. PI: Fung. My role: PI. Title: “IHI Fellowship in Immunology: Lymphocyte-endothelial Cell Interactios in Transplantation.” Project Period: 7/88 – 6/90.

3. VA-1995. PI: Starzl. My role: Co-investigator. Title: “Studies of Hepatotrophic Growth Factors.” Project Period: 10/93-10/96.

4. Cell Therapeutics Inc. PI: Cicalese. My role: Consultant. Title: “Effect of Lisofylline on Bacterial Translocation and Mucoscal Barrier.” Project Period: 2/97-1/98.

5. NIH AI40329. PI: Fung. My role: PI. Title: “Combined Bone Marrow and Organ Transplantation in Humans.” Project Period: 4/96-3/01.

6. Schering-Plough. PI: Thomson. My role: Consultant. Title: “Evaluation of Interleuking 10 for Therapy of Allograft Rejection.” Total direct costs: . Annual salary recovery or effort:. Project Period: 4/95-4/99.

7. NIH DK29961. PI: Starzl. My role: Co-investigator. Title: “Effects of Orthotopic Liver Transplantation.” Project Period: 4/96-3/01.

8. NIH AA06601. PI: Tarter. My role: Consultant. Title: “Alcoholic Liver Pathology: Hepatic Cerebral Interaction.” Project Period: 4/93-3/98.

9. McCune Foundation. PI: Fung/Starzl. My role: Co-PI. Title: “Xenotransplantation Reseach.” Project Period: 3/98-2/01.

10. Wyeth-Ayerst Research. PI: Fung. My role: PI. Title: “Randomized Open Label, Two Part Study of Tacrolimus vs. Cyclosporine and Sirolimus Followed by Continuous Cyclosporine or Cyclosporine Withdrawal in Liver Transplant Recipients (0468EI-211-US).” Project Period: 8/98-7/00.

11. Cancer Treatment Research FDN. PI: Rao. My role: Co-investigator. Title: “Autologous LAK Cell Immunotherapy for PTLD.” Project Period: 12/96-11/01.

12. NIH AI41011. PI: Thomson. My role: Consultant. Title: “Gene Engineering of Dendritic Cells and Transplantation.” Project Period: 5/97-4/02.

13. NIH DK/AI54232. PI: Murase. My role: Consultant. Title: “Modulation of Chimerism for Intestinal Transplantation.” Project Period: 4/99-3/04.

14. NIH DK50680. PI: Abu-Elmagd. My role: Co-investigator. Title: “Multicenter Randomized Trial of DSRS versus TIPS.” Project Period: 3/98-8/02.

15. NIH HS09694-03. PI: Roberts. My role: Co-investigator. Title: “The Optimal Timing of Liver Transplantation.” Project Period: 9/97-8/01.

16. Wyeth-Ayerst. PI: Fung. My role: PI. Title: “An Open-Label Extension Study of the Safety of Long-Term Administration of Sirolimus (RapamuneTM) in Solid Organ Transplant Recipients (0468E1-306-US) (PCRN# 1999-0039): *Phase II*.” Project Period: 03/00-02/02.

17. JDFI. PI: Fung. My role: Co-PI. Title: “Type I Diabetes: Islet Transplantation Tolerance.” Project Period: 10/99-9/04.

18. Aventis Behring. PI: Fung. My role: PI. Title: “A Phase III, Controlled, Multi-Center, Randomized, Parallel-Group, Single-Blind Study to Compare the Safety and Hemostatic Efficacy of the Fibrin Sealant, Beriplast P, with Standard Care of Thrombin-Smoked Gelfoam in the Treatment of Bleeding from the Hepatic Fossa in Subjects.” Project Period: 12/00-11/03.

19. Wyeth-Ayerst. PI: Fung. My role: PI. Title: “A Phase II, Open-Label, Randmozed Study of Conventional Dose Tacrolimus Plus Corticosteroids Versus Reduced Dose Tacrolimus Plus Sirolimus and Corticosteroids in Recipiends of Orthotopic Liver Allografts.” Project Period: 6/00-5/02.

20. NIH AI-95830. PI: Thomson. My role: Consultant. Title: “In Vitro Correlates of Transplant Tolerance in Patients Off Immunosuppression.” Project Period: 9/00-8/03.

21. Fujisawa. PI: Fung. My role: PI. Title: “A Randomized, Comparitive Trial of Prograf (Tacrolimus) in Combination with Sirolimus or Mycophenolate Mofetil after Liver Transplantation.” Project Period: 1/01-12/03.

22. NIH AI40166-06. PI: Matas. My role: Co-investigator. Title: “Multi-Site HIV-Positive Kidney Transplant Study.” Project Period: 7/01-6/02.

23. NIH/ITN ITN024ST. PI: Fung. My role: CCF PI. Title: “Phase II Multicenter trial to assess the safety and efficacy of Campath-1H and tacrolimus followed by immunosuppression withdrawal in liver transplant.” Project Period: 11/05-12/10.

24. NIH/ITN ITN030ST. PI: Fung. My role: CCF PI. Title: “Phase II trial to assess the safety of immunosuppression withdrawal in liver transplant recipients with hepatitis C”. Project Period: 8/06-9/12.

26. Novartis CRAD001 H2304. PI: Fung. My role: Study PI. Title: “A 24 month, multi-center, open-label, randomized, controlled study to evaluate the efficacy and safety of concentration-controlled everolimus to eliminate or to reduce tacrolimus in de novo liver transplant recipients.” Project Period: 1/07-12/11.

27. Genzyme. PI:. My role: Co-investigator. Title: “A randomized control clinical trial of low-dose Thymoglobulin and extended delay of calcineurin inhibitor therapy for renal protection after liver transplantation.” Project Period: 1/09-12/11.

28. Mass Biologics. PI:. My role: Co-investigator. Title: “A Phase II randomized, double-blind, placebo controlled study of the clinical effectiveness of a human monoclonal antibody against hepatitis C virus E2 glycoprotein (MBL-HCV1) in hepatitis C infected patients undergoing liver transplantation.” Project Period: 4/10-7/11.

29. NIH UO1A152748. PI: Fung. My role: Site PI. Title: “Solid Organ Transplant in HIV: Multi-Site Study.” Project Period: 10/03-9/15.

30. Centocor CO168X98. PI: Starzl. My role: Co-PI. Title: “Infliximab (Remicade®) as an Adjunct to Pegylated-Interferon α2b and Ribavirin in the Treatment of Hepatitis C Virus Infection.” Project Period: 11/06-11/11.

31. HRSA R38OT15491 PI: Fung. My role: Co-PI. Title: “Clinical Interventions to Increase Organ Procurement.” Project Period: 9/09-8/13.

32. Novartis H2304: Study PI: Fung. My role: Overall PI. Title: “A 24 month, multi-center, open-label, randomized, controlled study to evaluate the efficacy and safety of concentration-controlled everolimus to eliminate or to reduce tacrolimus compared to tacrolimus in de novo liver transplant recipients.” Project Period: 08/06 – 09/13

33. NIH R01DK084192. PI: Fung. My role: Consultant. Title: “Towards Induction of Cell Transplant Tolerance.” Project Period: 4/10-3/15.

34. NIH RC3DK088631. PI: Fung. My role: Site PI. Title: “A Solution to the Kidney Shortage: Exsanguineous Metabolic Support.” Project Period: 7/10-6/13.

35. NIH 14-200. PI: Fung. My role: Site-PI. Title: "Medical Records: Hemophilia Liver Transplant Observational Study (HOTS)". Project period: 01/14-12/16

36. Arnold Foundation.PI: Schold. My role: Co-I. Title” “Supporting Innovation, Access to Care and Donor Utilization in Transplantation in the Context of Increased Quality Oversight”. Project period: 07/16-06/17.

**HONORS, PRIZES, AND AWARDS**

1985 Recipient of Young Investigator Bursary, Sandoz Pharmaceuticals

1985-1986 American Heart Association Western Pennsylvania Affiliate Research Fellowship

1986-1986 Recipient of Competitive Medical Research Fund, Mellon Foundation

1988-1990 Irvington Institute for Medical Research Fellow in Immunology

1988 Upjohn Award for Outstanding Research as Resident in Surgery

1990 Outstanding Scientific Paper Award from The Transplantation Society - XIII International Congress

1992- Continuous listing in *The Best Doctors* *in America*

2000- Continuous listing in *America’s Top Doctors*

1993 UNOS Scientific Advisory Committee Outstanding Service Award

1995 National Kidney Foundation Western Pennsylvania Annual Gift of Life Award

1996 Vectors Pittsburgh Man of the Year Honor

1996 Albert Humanitarian Award

1997 American Liver Foundationa Special Award for Leadership In Liver Transplantation

2001 Honorary Professor, Peking University

2002 AST/Novartis Clinical Science Award

2003 Ronald W. Fish Humanitarian of the Year Award

2004 Hopeman Lecturer – Grove City College

2005 John J. Fung Endowed Assistant Professorship in Transplant Surgery at the University of Pittsburgh

2007 AASLD Achievement in Liver Transplantation Award

2007 Listing in the Institute for Scientific Information – Highly Cited Rating <http://highlycited.com/>

2008 Kate and Harvey Cushing Lecturer – North Shore Long Island Jewish Hospital

2008 ASTS Francis Moore Excellence in Mentorship Award

2008 AASLD Thomas Starzl State-of-the-Art Liver Transplant Lecturer

2009 ILTS Distinguished Service Award

2009 Chinese American Medical Society Scientific Achievement Award

2010 TTS-Roche Award for Worldwide Impact in Transplantation

2013 Hector Orozco Lecturer – International Hepatopancreatobiliary Surgery

2013 Robert Hermann Keynote Lecturer – Cleveland Clinic

2014 Joseph B. Whitehead Lecturer - Emory University

2014 James Ted Engle Pediatric Lecturer – Cleveland Clinic

2015 Thomas Starzl Prize in Surgery and Immunology - University of Pittsburgh

2016 Samuel Jones Gift of Breath Award - Transplant Recipient International Organization Cleveland Chapter

2016 William Harridge Memorial Lecturer – Midwest Surgical Association

2016 LifeBanc Legacy of Life Healthcare Award

2017 Lung T. Yam, MD Memorial Lecture – University of Louisville

**INVITED SPEAKING**

1980 **“Ontogeny of Murine B Cell Responses to Phosphorylcholine”** Federation of American Societies for Experimental Biology, Anaheim, CA

1985 **"Characterization of Infiltrating Cardiac Allograft T Cell"** American Heart Association, Pennsylvania Affiliate, Pittsburgh, PA

1985 **"Use of OKT3 in Conjunction with Cyclosporine and Steroids in the Reversal of Acute Allograft Rejection"** University of Rochester, Surgical Grand Rounds, Rochester, NY

1985 **"Use of OKT3 in Conjunction with Cyclosporine and Steroids in the Reversal of Acute Renal and Hepatic Allograft Rejection"** Society of Clinical Surgery 142nd Meeting

1985 **"Clinical Use of OKT3 in the Reversal of Acute Renal and Hepatic Allograft Rejection"** American College of Surgeons, Southwestern Pennsylvania Chapter, 18th Annual Residents' Presentations, Pittsburgh, PA

1986 **"Dynamics of Infiltrating Allograft T Cells"** The Blood Center of Southeastern Wisconsin, Milwaukee, WI

1986 **"Liver Transplantation: A Model for Viral Hepatitis?"** Zhejiang Medical University, Hangzhou, Zhejiang, China

1986 **“Analysis of Infiltrating Allograft T Cells"** Beijing Union Medical College, Beijing, China

1986 **"Liver Transplantation - Advances in Immunosuppression"** Nanjing Medical College, Nanjing, Jiangsu, China

1986 **"Impact of OKT 3 in Liver Transplantation"** Shanghai First Medical College, Shanghai, China

1986 **"Monoclonal Antibodies - Clinical Applications"** The Genesee Hospital, Medical/Surgical Grand Rounds, Rochester, NY

1987 **"Transplantation"** University of Rochester, Surgery Basic Science Course, Rochester, NY

1987 **"Cellular Transplant Immunity to Liver Allografts"** University of Pittsburgh, Meeting on Histocompatibility Testing: Theoretical and Practical Aspects, Pittsburgh, PA

1987 **"The Role of HLA Antigens in Allograft Immunity"** University of Rochester, Immunology Research Seminar, Rochester, NY

1988 **"Surgical Immunology"** University of Rochester, Surgery Basic Science Course, Rochester, NY

1988 **"Liver Transplantation: The Rochester Plan"** University of Rochester, Surgical Grand Rounds, Rochester, NY

1989 **"Transplantation Immunology"** University of Pittsburgh, Anesthesiology Grand Rounds, Pittsburgh, PA

1989 **“Dynamics of Allograft Infiltrating T Cells”** University of Pittsburgh, Second International Conference on Graft Infiltrating Cells, Pittsburgh, PA

1989 **"Lymphocyte - Endothelial Cell Interactions in Transplantation",** Irvington Institute of Medical Research, New York, NY

1989 **"Prophylactic Use of OKT3 in Liver Transplantation"** American Association for the Study of Liver Disease, Annual Meeting, Chicago, IL

1989 **"Rescue of Failing Liver Allografts - A Clinical Study"** European Society of Organ Transplantation Program, Barcelona, Spain

1989 **"FK506 for Solid Organ Transplantation"** 4th Annual Conference on Clinical Immunology (Society of Clinical Immunology), Arlington, VA

1989 **"FK506 - Clinical Trials"** University of Pittsburgh, Nephrology Grand Rounds, Pittsburgh, PA

1989 **"FK506 - Clinical Trials,"** University of Pittsburgh, Pharmacy Grand Rounds, Pittsburgh, PA

1990 **"Use of A Human Monoclonal Anti-Hepatitis B Antibody"**King Fahad National Guard Hospital - First International Symposium on Immunization and Immunotherapy: Recent Advances, Riyadh, Saudi Arabia

1990 **"Hepatitis B in Liver Transplantation"** University of Pittsburgh, Anesthesiology Grand Rounds, Pittsburgh, PA

1990 **"Use of FK506"** Ohio Solid Organ Transplantation Consortium, Toledo, OH

1990 **"FK506 In Solid Organ Transplantation"** Washington University Transplant Seminar, St. Louis, MO

1990 **"Development of an Immunosuppressive Agent"** University of Rochester Annual MD/PhD Lecturer Program, Rochester, NY

1990 **"A Novel Immunosuppressive Agent"** The Western New York Chapter of the American Liver Foundation, Rochester, NY

1990 **"Are Technology and Ethics on a Collision Course?"** University of Minnesota, Medicine in the 21st Century, St. Paul, MN

1990 **"What Is New With FK506?"**First Symposium of the International Society for Perioperative Care in Liver Transplantation, University of Pittsburgh, Pittsburgh, PA

1990 **"Use of a New Immunosuppressive Agent in Liver Transplantation",** XXVII World Congress of the International College of Surgeons, Sao Paulo, Brazil

1990 **"Use of FK506 In Solid Organ Transplantation"** Roussel Scientific Institute, Symposium Pharmaco-clinique Roussel Uclaf No. 12, Contemporary Strategies For Clinical Immunomodulation, Paris, France

1990 **"FK506 - Where We Are and Where We Are Going"** Advanced Liver Transplant Workshop, Presbyterian University Hospital, Pittsburgh, PA

1990 **"Overview of Organ and Tissue Donation and Transplantation"** Pittsburgh Transplant Foundation, Brookville Hospital, Brookville, PA

1991 **"Experience With FK506 In Organ Transplantation"** Transplant Grand Rounds Washington Hospital Center, Washington, D.C.

1991 Reception in honor of transplantation as the U.S. Army Walter Reed Medical Center delegate at the White House, Washington, D.C.

1991 **"Pharmacological Immunosuppression: FK506"**  American Society of Transplant Surgeons Postgraduate Course on Advances in Immunosuppression, Chicago, IL

1991 **"Principles of Immunology"** University of Pittsburgh, Transplant Lecture Series, Pittsburgh, PA

1991 **"Use of FK506 In Primary Liver Transplantation and Rescue Therapy"** University of Pittsburgh, First International Congress on FK 506, Pittsburgh, PA

1991 **"Clinical Side Effects of FK506"** University of Pittsburgh, First International Congress on FK 506, Pittsburgh, PA

1991 United Network for Organ Sharing (UNOS) Scientific Advisory Committee Meeting, Chicago, IL

1991 **"Clinical Transplantation"** Osler Institute Surgery Review Course, Coraopolis, PA

1991 **"Transplant Immunology"** Osler Institute Surgery Review Course, Coraopolis, PA

1991 **"Introduction to Transplant Immunology"** University of Pittsburgh, Division of Gastroenterology and Hepatology, Liver Symposium - Japanese Clinical Exchange Program, Pittsburgh, PA

1991 **"Infectious Complications After Liver Transplantation"** DuPont Merck Pharmaceuticals, Inc., DuPont Transplantation Symposium, Wilmington, DE

1991 **"FK506"** DuPont Merck Pharmaceuticals, Inc., DuPont Transplantation Symposium, Wilmington, DE

1991 **"Introduction to Transplant Immunology"**University of Pittsburgh, Second Liver Symposium, Pittsburgh, PA

1991 **"Recent Advances in Immunosuppressive Therapy for Organ Transplantation"** The Second Congress of Asian Society of Transplantation, Taipei, Taiwan, Republic of China

1991 **"Transplant Immunology"** University of Pennsylvania Medical Center, Grand Rounds, Philadelphia, PA

1992 **"Recent Advances in Immunosuppression"** Shippensburg University, Symposium on Frontiers In Immunology, Shippensburg, PA

1992 **"Recent Advances in Immunosuppression"** University of Pittsburgh, Transplant Lecture Series, Pittsburgh, PA

1992 **"Clinical Organ Transplantation: Recent Developments in Future Trends"** The Transplantation Society of Australia and New Zealand Tenth Scientific Meeting, Sydney, Australia

1992 **"FK 506 In Liver Transplantation"** Congress of The International Liver Transplantation, Minneapolis, MN

1992 **"How Good Is The Best Immunosuppression Currently Known?"** Collaborative Transplant Study (CTS) 10th Anniversary Symposium, Heidelberg, Germany

1992 **"Update on FK 506"** University of Pittsburgh Medical Center, Cardiac Transplantation Research Conference, Pittsburgh, PA

1992 **"A Randomized Trial In Primary Liver Transplantation Under Immunosuppression With FK 506 or Cyclosporine"**  XIV International Congress of the Transplantation Society, Paris, France

1992 **"Clinical Management & Immunosuppression"** New York Academy of Medicine, Consortium for Clinical Xenotransplantation, New York City, NY

1992 **"Clinical Transplantation"** Osler Institute, General Surgery Review Course, Philadelphia, PA

1992 **"Transplant Immunology"** Osler Institute, General Surgery Review Course, Philadelphia, PA

1992 **"Xenograft Transplantation"** Orthobiotech Immunology Unit Meeting, Raritan, NJ

1992 **"Organ Donation"** University of Pittsburgh Medical Center, Management Council Meeting, Pittsburgh, PA

1992 **"FK506 As Immunosuppression For Solid Organ Transplantation",** Japan-U.S. Tele-Symposium of the 28th Annual Congress of Japan Society for Transplantation, New York, NY

1992 **"Organ Procurement"** University of Pittsburgh Medical Center, Department of Surgery Journal Club, Pittsburgh, PA

1992 **"Introduction to Xenografts in Transplantation"** University of Pittsburgh Medical Center, Fourth Liver Symposium - Japanese Clinical Exchange, Pittsburgh, PA

1992 **"Principles of Immunology"** University of Pittsburgh Medical Center, Transplant Lecture Series, Pittsburgh, PA

1992 **"Organ Transplantation: An Update"** 78th Annual Clinical Congress of the American College of Surgeons, New Orleans, LA

1992 **"Impact of Hepatitis on Liver Transplantation"** American Society for the Study of Liver Disease (AASLD) Annual Meeting, Chicago, IL

1992 **"Experimental Basis of Xenogeneic Transplantation"** Second Hammersmith Symposium on Liver Transplantation, London, Ontario, Canada

1992 **"Clinical Xenogeneic Transplantation"**Second Hammersmith Symposium on Liver Transplantation, London, Ontario, Canada

1992 Burroughs Wellcome Imuran Transplant Advisory Council Meeting, Raleigh, NC

1992 **"Liver Transplantation"** Food & Drug Administration, Washington, D.C.

1992 **"Xenotransplants: Future Perspectives Under New Immunosuppressive Protocols"**  III Congress of the Brazilian Organ Transplant Association, Sao Paulo, Brazil.

1992 **"Xenotransplantation"** Transplant Lecture, Hospital de Base de Brasilia, Brasilia, Brazil

1992 **"Introduction to Xenografts in Transplantation"**University of Pittsburgh, Japanese Clinical Exchange Program, Pittsburgh, PA

1992 **"Organ Donation"** Bedford Hospital, Grand Rounds, Bedford, PA

1992 **"Xenotransplantation"**Pittsburgh Transplantation Institute Seminar, Pittsburgh, PA

1993 **"Liver Transplantation, Pittsburgh Experience"** XVIIth International Meeting On Digestive Surgery, Porto, Portugal

1993 **"Liver Xenografts for FHF"** National Digestive Diseases Advisory Board (NDDAB) Workshop on Current Issues in the Management of Fulminant Hepatic Failure, Chantilly, VA

1993 Invited Faculty for mock oral exam (boards), Osler Institute Surgery Review Course, Lisle, IL

1993 **"Liver Xenotransplantation"** University of Toronto, Toronto, ON

1993 **"Liver Transplantation: University of Pittsburgh Experience"** University of Toronto, Toronto, ON

1993 **"Liver Transplantation"** University of Pennsylvania, Lecture for Pre-med Transplant Surgery, State College, PA

1993 **"Liver Transplantation for Hepatitis B and C"** XVI International Annual Ain Shams Medical Congress, Cairo, Egypt

1993 **"Xenografting"** XVI International Annual Ain Shams Medical Congress, Cairo, Egypt.

1993 **"Small Bowel Transplantation"** XVI International Annual Ain Shams Medical Congress, Cairo, Egypt

1993 **“Hepatitis C”** Critical Care Medicine Grand Rounds, University of Pittsburgh, Pittsburgh, PA

1993 **"Liver Transplant Update"** 3rd Annual Transplant Fellows Workshop, New Orleans, LA

1993 **"Utilization of Xenografts"** Translife Organ Procurement Seminar, The Art of Donation, Orlando, FL

1993 **"What's it Like to Be in the Field of Organ Transplantation?"** University of Pittsburgh, Pittsburgh, PA

1993 **"Clinical Experience at the University of Pittsburgh"** III International Course in Hepato-Biliary-Pancreatic Surgery and Organ Transplantation, Barcelona, Spain

1993 Syntex Laboratories, Solid Organ Transplant Advisory Board Meeting, Palo Alto, CA

1993 **"Xenotransplantation"** Transplant Grand Rounds, Mayo Clinic, Rochester, MN

1993 **"State of Art of Liver and Xenograft Transplant Surgery"** Kurume University Symposium, Updates in Surgical and Medical Management of Liver Disease by Transplantation, Kurume, Japan

1993 **"State of Art of Liver and Xenograft Transplant Surgery"** Keio University Symposium, Updates in Surgical and Medical Management of Liver Disease by Transplantation, Tokyo, Japan

1993 **"Medical Management of Liver Transplantation"** International Symposium on Viral Hepatitis and Liver Disease, 8th Triennial Congress, Tokyo, Japan

1993American Association for the Study of Liver Disease (AASLD) Ad Hoc Surgery Committee Meeting, Boston, MA

1993 **"Clinical Experiences with Xenografts"** American Society of Transplant Surgeons (ASTS) Annual Meeting, Houston, TX

1993 **"Surgical Overview"** Nurses for Organ Donation Seminar, Montefiore University Hospital, Pittsburgh, PA

1993 **"Ethical Implications of Xenotransplantation"**Lifelink Symposium, A New Wave In Transplantation, St. Petersburg Beach, FL

1993 **"Overviews of Hepatic Transplantation"**Ortho Biotech Immunology Business Unit Meeting, Charleston, SC

1993 **“Organ Donor Policy”**Department of Surgery Intern Orientation, University of Pittsburgh, Pittsburgh, PA

1993 **"Xenografting: Pittsburgh Experience, Current Status and Future Prospects,"** Association of Organ Procurement Organizations (AOPO) Annual Meeting, Winning Strategies in Organ Procurement, Coronado, CA

1993 **"Liver Transplantation - Part I"** University of Pittsburgh Transplant Lecture Series, Pittsburgh, PA

1993 Addressing an Awards Luncheon, TRIO (Transplant Recipients International Organization) Annual Meeting, "Meeting the Challenge", Washington, D.C.

1993 **“Xenotransplantation"** University of Maryland School of Medicine Post-graduate Course, Baltimore, MD

1993 **"Liver Transplant"** Osler Institute Surgery Review Course, Rochester, NY

1993 **“Human Body Course”** School of Medicine Fourth Year Medical Students, University of Pittsburgh, Pittsburgh, PA

1993 **"Pittsburgh Experience with FK506 in Liver Transplantation"** International Liver Transplantation Society, Toronto, Canada

1993 **"Organ Transplantation Research"** The Surgical Biology Club 41st Annual Meeting, San Francisco, CA

1993 **"Sub-Human Primates as Xenograft Donors"** Lilly Institute Conference "Xenografts", Paris, France

1993 **"Immunosuppression in Human Organ Transplantation"** 4th World Congress International Gastro-Surgical Club, Madrid, SpainSyntex Laboratories, Solid Organ Transplant Advisory Board Meeting, Palo Alto, CA

1993 **"Personalized-Immunosuppression in Difficult Liver Transplant Situations"** Istituto Veneto Di Scienze International Workshop "Advances and Perspectives in the Area of Immunosuppression", Venice, Italy

1993 **"Clinical Xenogenic Transplantation"** University of London Royal Postgraduate Medical School One Day Symposium "Liver Transplantation", Hammersmith Hospital, London, England

1994 **"Xenotransplantation"** Asian Pacific Association for the Study of the Liver IX Biennial Scientific Meeting, Singapore

1994 **“Immunology of Transplantation”** Department of Anesthesia Basic Science Course, University of Pittsburgh, Pittsburgh, PA

1994 **"FK506 In Solid Organ Transplantation"** The Third International Congress on Cyclosporine, Seville, Spain

1994 **“Liver Anatomy”** School of Medicine Fourth Year Medical Students, University of Pittsburgh, Pittsburgh, PA

1994 **"Viral Hepatitis: Clinical Perspectives"** University of Pittsburgh Medical Center, Pittsburgh, PA

1994 **"Prophylaxis of HBV Reinfection in Liver Allograft"** American Society of Transplant Surgeons, Chicago, IL

1994 **"Transplantation at UPMC"** Intern Orientation Week, University of Pittsburgh Medical Center, Pittsburgh, PA

1994 Syntex Laboratories, Solid Organ Transplant Advisory Board Meeting, Palo Alto, CA

1994 **“Moderator”** Regional Advisory Board in Transplantation, Milwaukee, WI

1994 **"Immunoprophylaxis of Hepatitis B Patients in Transplantations"** University of Pittsburgh Medical Center Transplant Lecture Series, Pittsburgh, PA

1994 **"Transplantation for Viral Hepatitis"** Duke University, Durham, NC

1994 “**Present Status of Liver Transplantation”** World Chinese Conference on Liver Disease, Beijing, China

1994 **"Impact of Viral Hepatitis in Transplantation" and "Transplantation for Malignancies"** Medical College of Wisconsin, Milwaukee, WI

1994 **"Concordant Xenografting in the Clinic"** Royal College of Surgeons, London, England

1994 **"Review of Clinical Data - FK506"** Ohio Solid Organ Transplantation Consortium, Columbus, OH

1994 **"Liver Transplantation Update"** Orthobiotech, Transplant Fellow Workshop, New Orleans, LA

1994 **"Liver Transplantation for Hepatitis B Surface Antigen Positive Chronic Liver Disease Under FK506"** AASLD, Chicago, IL

1994 **"Transplantation Profile"** UPMC, Board Committee on Strategic Planning, Pittsburgh, PA

1995 **"Introduction to Immunology & Immunology Transplantation"** UPMC, Pittsburgh, Critical Care Medicine Lecture, Pittsburgh, PA

1995 **“Ethics In Transplantation”** School of Medicine Second Year Medical Students, University of Pittsburgh, Pittsburgh, PA

1995 **"Health Care Reform in Transplantation"** University of Pittsburgh Medical Center, Pittsburgh, PA

1995 **"Experience of Liver Transplantation in U.S.A."** The University of Hong Kong, Department of Surgery Lecture, Hong Kong

1995 **"Liver Transplantation for Viral Hepatitis"** AASLD Single Topic Symposium, Reston, VA

1995 **"Immunosuppressive Therapy," "Chimerism After Liver Transplant"** University of Colorado, 1995 Winter Transplantation Retreat, Denver, CO

1995 **“Liver Anatomy”** School of Medicine Fourth Year Medical Students, University of Pittsburgh, Pittsburgh, PA

1995 **"Frontiers in Transplantation"** University of Pittsburgh, Hepatology and Liver Transplantation 1995, Pittsburgh, PA

1995 **"Liver Transplantation for Viral Hepatitis"** Southern Society of Clinical Surgeons, Pittsburgh, PA

1995 **"Organ Donation"** Organ Donation Awareness Week, UPMC, Pittsburgh, PA

1995 **"Pittsburgh Clinical Data"** Brook Lodge Symposium, Kalamazoo, MI

1995 **"Ask the Doctor"** National Kidney Foundation of Western Pennsylvania, Inc., 14th Annual Patient/Family Symposium, Greentree, PA

1995 ASTP/Ortho Biotech, Inc. Sixth Transplant Fellows Workshop, New Orleans, LA

1995 **"Overview of FK 506"** 1995 International Consensus Conference on Immunosuppressive Drugs, Chateau Lake Louise, Alberta, Canada

1995 **"Xenotransplantation"** Ortho Biotech Presentation, Raritan, NJ

1995 **"Clinical Baboon To Man Transplantation"** ASTP/ASTS Meeting 6th Annual Postgraduate Course, Chicago, IL

1995 **"Hyperlipidemia In Organ Transplantation Recipients"** Albert Einstein Medical Center, Medical Education Programs, Ltd, Philadelphia, PA

1995 **"Liver Transplantation For Viral Hepatitis"** University of Illinois Grand Rounds, Chicago, IL

1995 **"Innovations In Xenotransplantation" and "Transplantation For Hepatomas and Chronic Viral Hepatitis"** British Columbia Transplant Society, Liver Day '95, Vancouver, BC

1995 **“Controversies in Liver Transplantation"** National Taiwan University Hospital Centennial Commemoration, Taipei, Taiwan, China

1995 Canadian Regional Advisory Board Series, Montreal/London, Ontario, Canada

1995 **“FK506 In Clinical Transplantation”** University of Pittsburgh School of Pharmacy Seminar Series, Pittsburgh, PA,

1995 **"Hepatic Xenotransplantation"** Annual Clinical Congress of the American College of Surgeons, New Orleans, LA

1995 **“Liver Transplantation Update”** Seventh Annual Transplant Fellows Workshop, New Orleans, LA

1995 **“The Liver Transplant Evaluation: Linking Fresh Factors and Outcome”** AASLD, Post-Graduate Courses, 46th Annual Meeting, Chicago, IL

1995 **“Hepatic Tolerance”** The Irvington Institute for Immunological Research, New York, NY

1995 North American Transplant Advisory Board Meeting, San Diego, CA

1995 **“Immunomodulation and Xenotransplantation,” “The Failing Liver: Methods To Replace It”** Xth World Congress of the International Society for Artificial Organs, Taipei, Taiwan

1995 **“Clinical Xenotransplantation,” “Transplant Immunity In the 21st Century”,** University of Pittsburgh Division of Transplant Pathology, Graduate Course on Transplant Immunology, Pittsburgh, PA

1995 **“Transplantation for Amyloidosis”** University of Pittsburgh, Department of Transplantation Grand Rounds, Pittsburgh, PA

1996 **“Clinical Xenotransplantation”** Pittsburgh Cancer Institute Biologic Therapy Program, Biologic Therapy and Transplantation Research Colloquia, Pittsburgh, PA

1996 **“Xenotransplantation”** UNOS Region 2 Clinical Forum, Pittsburgh Airport Marriott Hotel, Pittsburgh, PA

1996 **“Chimerism In Solid Organ Transplantation”** 1996 Winter Transplantation Retreat, Denver, CO

1996 **“Liver Transplantation: Past, Present and Future”** Grand Rounds, Allegheny General Hospital, Pittsburgh, PA

1996 **“Frontiers in Transplantation”** Pittsburgh Transplantation Institute Conference, Pittsburgh, PA

1996 **“Small Bowel Transplantation: Clinical Experience”** Grand Rounds, Oregon Health Sciences University, Portland, OR

1996 **“Liver Transplantation Update”** Transplantation Fellows Workshop, New Orleans, LA

1996 **“Liver Transplantation for Viral Hepatitis”** 1996 Transplant Lecture Series, Pittsburgh Transplantation Institute, Pittsburgh, PA

1996 **“Transplantation at UPMC”** Thomas E. Starzl Transplantation Institute, lecture given to General Surgery Interns, Pittsburgh, PA

1996 **“Xenotransplantation”** Surgical Grand Rounds, University of Pennsylvania

1996 **“Transplantation Overview: Patient Care, Public Policy, and Research”** A Day of Health Care in Western Pennsylvania, University of Pittsburgh, Pittsburgh, PA

1996 **“Hepatitis and Tolerance”** Loma Linda University Los Angeles, CA

1996 **“Management of Portal Hypertension”** Guest Speaker, Saint Margaret Memorial Hospital, Pittsburgh, PA

1996 **“Small Bowel Transplantation”** University of Arizona, Tucson, AZ

1996 **“Overview of Organ Allocation Policies in the United States”** Guest Speaker, The National Managed Health Care Congress, New Orleans, LA

1996 **“Immune Tolerance In Humans”** Guest Speaker, The Fifth International Congress of the Middle East Society for Organ Transplantation, Limassol, Cyprus

1996 **“Transplantation”** Guest Speaker, University of Pittsburgh, Update in Internal Medicine: Practice in The New Health Care Environment, Pittsburgh, PA

1996 **“Current Issues In Science and Technology”** Point Park College, Pittsburgh, PA

1996 **“Tolerance: From Mouse To Man”** University of Pittsburgh, presentation to Intern Applicants at General Surgery Grand Rounds, Pittsburgh, PA

1997 **“Orthotopic Liver Transplantation”** Division Of Gastroenterology/Hepatology PMSII Digestion and Nutrition Course, University of Pittsburgh

1997 **“Orthotopic Liver Transplantation”** School of Medicine Second Year Medical Students Gastroenterology Course, University of Pittsburgh

1997 **“UNOS Allocation Policies In A Changing Healthcare Environment: What Impact Will These Policies Have On Organ Transplantation”** NMHCC Executive Briefing Series, New Strategies for Cost Effective Use of Organ Transplantation, Washington, DC

1997 1997 AHPBA Congress, Miami, FL

1997 **“What Minimal Criteria Means To Me”** American Society of Transplant Physicians, Bethesda, MD

1997 **“Xenotransplantation,” “New Organ Liver Allocation Policy”** Community Oversight Organ Transplantation Meeting, UPMC, Pittsburgh, PA

1997 **“Liver Allocation In The United States”** Health Care Industry Study Group, Industrial College of Armed Forces, Pittsburgh, PA

1997 **“Clinical Aspects of Chronic Rejection, Including Overlap With HCV Infection”** Fourth Banff Conference On Allograft Pathology, Alberta, Canada

1997 **“Liver Transplantation As A Treatment for Viral Liver Disease”** 1st National Congress of the Portuguese Association for the Study of the Liver, Oporto, Portugal

1997 **“Organ Transplantation In The Era of Managed Health Care: Understanding The Role of Organ Allocation”** Organ Transplantation Conference, Cambridge Health Resources, Newton Upper Falls, MA

1997 **“Liver Tolerance Chimerism”** Tenth Annual Transplant Fellows Workshop, New Orleans, LA

1997 **“Tacrolimus Immunosuppression,” “The Technique of Liver Transplantation,” “Preoperative Evaluation of the Liver Transplant Candidate,” “The Future of Organ Transplantation”** Surgical Medical Regional Congress, Lima, Peru

1997 **“Chairperson: Develop Guidelines For The Clinical Management and Treatment of Established PTLD”** International Consensus Development Meeting On EBV-Induced Post Transplant Lymphoproliferative Disorders (PTLD), Chicago, IL

1997 **“Issues in Organ Allocation,” “Immunosuppression: Novel Agents”** Thomas E. Starzl Transplantation Institute Conference, Pittsburgh, PA

1997 **“Isolated Small Bowel, Small Bowel/Liver, and Multivisceral Transplants”** Integrated Communications Corp., Transplantation Summit, New York, NY

1997 **“Small Bowel, Small Bowel/Liver and Multivisceral Transplants”** Medical Affairs Committee, Blue Cross and Blue Shield, Camp Hill, PA

1997 **“Comments To The American Liver Foundation”** American Liver Foundation First Annual Awards Dinner, Washington, DC

1997 **“Strategies For Expanded Donor Utilization”** Fourth International Society for Organ Sharing, Washington, DC

1997 “**Use of Tacrolimus and Cellcept In Liver and Kidney Transplantation”** Fairfax Transplant Center, Falls Church, VA

1997 **“Is There Any Recent Improvement In Outcome of Liver Transplantation for Patients With Chronic HBV Infection?”** **“Baboon-to-Human Liver Transplantation,” “FK506 In Solid Organ Transplantation: With An Emphasis On Kidney Transplantation”** First International Symposium On Hepatology, Beijing, China

1997 **“The Politics of Liver Transplantation”** Grand Rounds, Mercy Hospital, Pittsburgh, PA

1997 **“Results of Long-Term Use of Tacrolimus In Liver Transplant Recipients,” “Hepatic Transplantation In Composite Visceral Grafts”** International Liver Transplantation Society, Seattle, WA

1997 **“Course Director: Liver Transplantation Comes of Age: Indications, Timing and Outcomes”** AASLD, Chicago, IL

1997 **“Immediate Post Liver Transplant Complications”,** **“Assessment and Management of Prospective Cadaver Donors”,** **“Update On Small Bowel Transplantation”, “Long Term Experience With FK506”** 5th Congress Of The Asian Society Of Transplantation, Manila, Philippines

1997 **Co-Moderator, “Practical Approaches To Using Prograf® In Transplantation”** Symposium Practical Approaches To Using Prograf® In Transplantation, Orlando, FL

1998 **“Chimerism In Liver Transplantation”** University of Iowa

1998 **“Surgical Anatomy of the Liver”** Surgical Integrated Life Sciences Course, University of Pittsburgh, Pittsburgh, PA,

1998 **“Transplantation”** Immunology Course for First Year Medical Student Immunology Class, Pittsburgh, PA, Facilitator

1998 **“The Acutely Failing Liver”** Bioengineering Seminar, University of Pittsburgh, Pittsburgh, PA

1998 **“Hepatitis C Recurrence After Liver Transplantation”** 3rd International Conference On New Trends In Clinical and Experimental Immunosuppression, Geneva, Switzerland

1998 **“Xenotransplantation,” “Overview of Liver Transplantation”** The First GCC Organ Transplantation Congress, Abu Dhabi, United Arab Emirates

1998 **“Tolerance Following Liver Transplantation”** Transplantation and Dialysis Conference, Massachusetts General Hospital, MA

1998 **“The Status of Liver Transplantation In The United States: Emphasis On The VA Experience”** Industrial College of the Armed Forces UPMC Health System Visit, University of Pittsburgh, Pittsburgh, PA

1998 **“Small Bowel Transplantation,” “Organ Allocation - Large Center Perspective”** Controversies In Transplantation, University of Colorado School of Medicine, Breckenridge, CO

1998 “**Liver Induced Tolerance”** Recanati/Miller Institute For Transplantation Research Conference, Mount Sinai Medical Center, NY

1998 **“Liver and Renal Transplantation”** Fujisawa USA, Inc, Grand Rounds, Chicago, IL

1998 “**New Approaches In Immunosuppression, ” “Clinical Application of Xenotransplantation”** The 2nd International Congress On Transplantation for Developing Countries, Taipei, Taiwan

1998 **“Practical Approaches To Using Prograf In Transplantation”** Joint Scientific Meeting of the Hong Kong Society of Transplantation and Hong Kong Society of Nephrology

1998 **“Clinical Issues In Liver Transplantation,” “Pulmonary Hypertension”** ASTP/ASTS Annual Meeting, Chicago, IL

1998 **“Ethics In Liver transplantation”** Digestive Diseases Week, New Orleans, LA

1998 **“Liver Induced Tolerance”** MD/PhD Program, University of Pittsburgh, Pittsburgh, PA

1998 **“Multivisceral Transplantation”** Transplantation Society Meeting, Montreal, Canada

1998 **“Recent Advances In Transplantation”** Grand Rounds At The Guthrie Clinic, Sayre, PA

1998 **“Selection of Liver Transplant Candidates: Update of UNOS Allocation Policies”** Thomas E. Starzl Transplantation Institute Fourth Annual Conference, Pittsburgh, PA

1998 Co-chair, Session on **“Clinical Studies/Organ Transplantation”** Symposium on Dendritic Cells In Fundamental and Clinical Immunology, Pittsburgh, PA

1998 **“Transplant Politics”** Graduate Class In Science and Technical Writing, Point Park College, Pittsburgh, PA

1998 **“Current Immunosuppressive Regimens For Liver Transplantation At The University of Pittsburgh”** Grand Rounds, University of Nebraska, Omaha, Nebraska

1998 **“Malignancies After Liver Transplantation,” “Advances In Immunosuppression For Abdominal Organ Transplantation”** Visits to Shanghai Medical University, Zhong Shan Hospital and Hua Shan Hospital, Beijing and Shanghai, China

1998 **“The UNOS Allocation Process: I Like It versus I Don’t Like It – Anthony D’Alessandro vs. John J. Fung”** International Association For the Study of the Liver Biennial Scientific Meeting, Chicago, IL

1998 “**Update On Xenotransplantation,” “Small Bowel transplantation”** Grand Rounds, University of California, San Diego, San Diego, California

1998 **“Bone Marrow Augmentation, Chimerism, and Donor-Specific Tolerance: Augmentation of Donor Cell Chimerism by Simultaneous Use of FLT3L and Co-stimulatory Blockade”** Thomas E. Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, Pennsylvania

1999 **“The Acutely Failing Liver,” “Advances In Clinical Immunosuppression For Solid Organ Transplantation”** First Beijing International Symposium On Transplantation, Beijing, China

1999 **“Exclusion Criteria For Liver Transplantation”** Controversies In Transplantation Retreat, Breckenridge, CO

1999 **“Split Liver Transplantation,” “Multivisceral Transplantation,” “Pros and Cons About The Use of Tacrolimus for Liver Transplantation”** VI Congress of the Brazilian Association of Organ Transplantation, San Paolo, Brazil

1999 **“Prisoners and Transplant: In Whose Debt?”** 8th Annual Current Controversies In Medical Ethics, Pittsburgh, PA

1999 **“Organ Transplantation: Animal Models – The Past and The Future”** History and Philosophy of Science, History of Medicine Class, University of Pittsburgh, Pittsburgh, PA, Lecture

1999 **“1000 Consecutive Primary Liver Transplants Under Tacrolimus: Story of Success and Failure With Mean Follow-up 7 Years”** American Surgical Association, San Diego, CA

1999 **“Exclusion Criteria for Liver Patients,” “Update of Rapamycin Trials”** American Society of Transplant Surgeons, Chicago, IL

1999 **“Animals In Transplantation”** Americans for Medical Progress Breakfast, Washington, DC

1999 **“Status Of Organ Allocation – A Recommendation For Change,” “HIV+ Candidates”** International Liver Transplantation Society Symposium, Pittsburgh, PA

1999 **“Understanding and Preventing Late Graft Loss,” “Non Heart Beating Donors”** 6th Congress of the Asian Society of Transplantation, Suntec City, Singapore

1999 **“Medical Need for Xenotransplantation”** 39th InterScience Conference On Antimicrobial Agents and Chemotherapy, San Francisco, CA

1999 **“Impact Of Newer Immunosuppression and Steps Toward Tolerance”** Fast Track To a Cure: Putting An End To Diabetes, Pittsburgh, PA

1999 **“Liver Transplantation For Hepatitis Band C”** 3rd Hirosaki International Forum of Medical Science Meeting, Hirosaki, Japan

1999 **“HIV+ Candidates for Transplantation”** Israel Penn Transplant Fellows Symposium, Scottsdale, AZ

1999 **“Cardiopulmonary Disorders,” “Transplant/Surgery Plenary I”** American Association for The Study of Liver Diseases/ International Liver Transplant Society Transplant Course, Dallas, Texas, Co-Chairperson

1999 **“Update On Transplantation For Viral Hepatitis”, “Hepatic Tolerance”** The University of Hong Kong Liver Diseases Annual Scientific Meeting 1999, Hong Kong

1999 **“Liver Transplantation”** Transplant Fellows Research Symposium, Orlando, FL

2000 **“T.E. Starzl Oration On T-Cell Anergy and Tolerance”** 3rd International Congress On Transplantation and Kidney Diseases, Ahmadabad, India

2000 **“State of The Art of Xenotransplantation”** Southeastern Surgical Congress, Orlando, FL

2000 **“Infection and Immunity”** Society of Critical Care Medicine, Orlando, FL

2000 **“Xenotransplantation”** Congress of the Arab Society of Nephrology and Renal Transplantation, Marrakech, Morocco

2000 **“Treatment of VRE In Liver Transplant Recipients”** Medical College of Virginia, Richmond, VA

2000 **“The Hypocrisy of Organ Allocation”** Controversies In Transplantation, Breckenridge, CO

2000 **“Multivisceral Transplantation”** Highmark Blue Cross/Blue Shield, Camp Hill, PA

2000 **“Xenotransplantation”** Grand Rounds, New York Presbyterian Hospital, New York, NY

2000 **“Survival Patterns Post-Liver Transplantation: Effect of Age, Gender, and Era In Consecutive 4,000 Patients With 2-19 Years Follow-Up From A Single Center”** American Surgical Association, Philadelphia, PA

2000 **“Support of The Failing Liver”** Grand Rounds, University of Rochester, Rochester, NY

2000 **“Intestinal Transplantation”** Grand Rounds, Beth Israel Deaconess Medical Center, Boston, MA

2000 **“Transplantation of Marginal Organs – Outcome Analysis: Livers”** American Society of Transplant Surgeons, Transplant 2000, Chicago, IL

2000 **“The Acutely Failing Liver,” “Long-Term Impact of Tacrolimus In Kidney Transplantation”** Grand Rounds, Medical College of Georgia, Augusta, GA

2000 **“Recurrence of PBC After Transplantation”** PBC Conference 2000, Las Vegas, NV

2000 **“Current Status: A Global View”** IASL/APASL/JSH Joint Meeting, Fukuoka, Japan

2000 **“Tacrolimus In Kidney Transplantation”** Prograf Launching Symposium, Saudi Arabia

2000 **“Causes of Long-Term Graft Failure”** Emerging Issues In Solid Organ Transplantation, Fellows Conference 2000, Vail, CO

2000 **“Support of the Failing Liver”** Living Donor and Split Liver Transplantation Symposium and Transplantation Society Meeting , Rome, Italy

2000 **“Future Developments In Liver Transplantation”** Liver Diseases In The New Millennium Symposium, Shanghai, China

2000 **“Immunosuppressive Management Of Liver Transplant Recipients”** 1st Workshop For Clinical Liver Transplantation In China, Shanghai, China

2000 **“Opportunities for Expanding Liver Donations: Expansion of the Donor Pool and Split Liver Transplantation”** The Dannemiller Memorial Educational Foundation, San Antonio, TX

2000 **“Donor Bone Marrow Augmentation In Clinical Organ Transplantation”** Austrotransplant 2000 Meeting, Austria

2000 **“Current Experience With Tacrolimus (Prograf) In Kidney and Liver Transplantation,” “Current Status of Xenotransplantation”** IVth National Congress of Transplantation, Acapulco, Mexico

2000 **Moderator, “Current Experience In Living Donor Liver Transplantation”** Living Donor Liver Transplantation Workshop, Bethesda, MD

2001 **“Transplantation In HIV+ Recipients: How Is It Going So Far”?** Current Trends In Transplantation, Salamanca, Spain

2001 **“Optimal Cost Effective Immunosuppressive Protocol”** Controversies In Transplantation, Breckenridge, CO

2001 **“Liver Transplantation For Hepatitis B and C,” “Current Status of Intestinal Transplantation at the University of Pittsburgh”** The 9th Keio University International Symposium for Life Science and Medicine, Tokyo, Japan

2001 Keynote Speaker **“Of Mice and Men ⎯ A Tale of Tolerance”** Festschrift Honoring Dr. Thomas E. Starzl, Pittsburgh, PA

2001 **“The Acutely Failing Liver and Indications For Hepatic Transplantation”** Grand Rounds, St. Francis Medical Center, Pittsburgh, PA

2001 Chair session **“Liver Transplantation: Allocation”** Transplant 2001, Chicago, IL

2001 **“An Update On Intestinal Transplantation”** Grand Rounds, University of Chicago, Chicago, IL

2001 **“Organ/Tissue and Cornea Donation and Transplantation”** University of Pittsburgh Medical Center Orientation Program, Pittsburgh, PA

2001 **“Immunologic Considerations In Small Bowel and Liver Transplantation”** Fellows Conference 2001: Emerging Issues In Solid Organ Transplantation, Park City, UT

2001 **“Rapamycin In Abdominal Organ Transplantation”** Solid Organ Transplant Teaching Conference, Rochester, NY

2001 **“Tolerance Induction In Liver Transplantation: The Future of Solid Organ Transplantation?”** International Congress Of The Austrian Society of Surgeons, Graz, Austria

2001 **“The Status of Liver Transplantation,” “The Status of Intestinal and Multi-organ Transplantation”** XVI Latin American and Caribbean Transplant Congress, Dominican Republic

2001 **“Immunosuppression In Abdominal Organ Transplantation”** 2nd Beijing International Symposium On Organ Transplantation, Beijing China

2001 **“Liver Transplantation In HIV Patients”** New Horizons In Hepatology 2001, La Jola, CA

2001 **“Rapamycin In Abdominal Organ Transplantation”** Grand Rounds, Fairfax Hospital, Fairfax, VA

2001 **“Liver Transplantation In The HIV Positive Candidate”** HIV/HCV Coinfection: Clinical and Research Challenges, Baltimore, MD

2001 **“Living-Related Liver Transplantation or FK506,” “Optimum Use of Immunosuppression Combinations,” “Current Trends and Future Developments In Organ Transplantation,” “Liver Transplantation In The New Millennium”** Nanjing Hospital, Nanjing, China

2001 **“Economics Of Immunosuppressive Therapy”** Transplant Coordinators Symposium, San Francisco, CA

2001 **“Post-Transplant Lymphoproliferative Disease and De Novo Malignancies”** American Society for the Study of Liver Disease Annual Meeting, Dallas TX

2001 **“Transplantation Tolerance – Lessons Learned From Liver Transplantation,” “Compromised Donors and Acceptance Criteria For Liver, Kidney or Pancreas”** 2nd European Transplant Fellow Workshop, Zurich, Switzerland

2002 **“Clinical Experience With HIV and Transplantation”** AST Sixth Annual Winter Symposium, Olympic Valley, CA

2002 “**Cancers After Liver Transplantation”** Grand Rounds, University of Rochester, Rochester, NY

2002 Moderator: “**Closing the Gap Between the Demand and Supply of Organs,” “Tolerance In The Clinical Practice,”** Moderator: **“Living Donor Liver Transplant”** Controversies In Transplantation, Breckenridge, CO

2002 **“Transplantation As A Subversion of the Immune System”** University of Pittsburgh School of Medicine, BioMedicine Course, Pittsburgh, PA

2002 **“Cancer After Liver Transplantation”** Fellows Conference 2002, “Advances In Organ Transplantation”, Irving, TX

2002 **“Incidence of Post-Transplant Lymphoproliferative Disorder (PTLD) Among Liver Transplant Recipients In Adults and Children Under Cyclosporine and Tacrolimus Therapy: 20 Years Experience From A Single Center”** American Surgical Association, 122nd Annual Meeting, Hot Springs, VA

2002 “**HTK Presentation,” “Solid Organ Transplantation In The HIV Positive Recipient”** American Transplant Congress, Washington, DC

2002 **“Histocompatibility Is Essential For The Success of Marginal/Expanded Liver Transplantation”** International Liver Transplant Society Meeting, Chicago, IL

2002 **“Understanding Liver Regeneration: The Impact In Living Donor Liver Transplantation,” “Cancers After Liver Transplantation”** Abdominal Organ Transplantation From Living Donors: State of the Art, Gubbio, Italy

2002 **“Current Experience With Custodial HTK At The University of Pittsburgh: Ongoing Research”** Organ Preservation Using Custodiol HTK Solution Meeting, Philadelphia, PA

2002 **“The Pitfall of Living-Related Liver Transplantation,” “The Progress In Immunosuppression For Liver Transplantation”** Ruijin Hospital, Shanghai, People’s Republic of China

2002 **“Update On Immunosuppressive Considerations For Liver Transplantation”** Military Hospital, Tianjin, People’s Republic of China

2002 **“HTK Presentation,” “Role of immunologic Transplantation Outcome,” “Immunosuppression Withdrawal Post-liver Transplantation”** Transplantation Society, Miami, FL

2002 **“Overview of HAT”** Rapamune Thrombosis Advisory Board Meeting. Chicago, IL

2002 **“Transplantation In HIV Positive Patients”** Cleveland Clinic Foundation Grand Rounds, Cleveland, OH

2002 **“Overview of Custodial HTK”** Organ Preservation Using Custodiol HTK Solution, Scottsdale, AZ

2002 **“Overview of Custodial HTK”** Organ Preservation Using Custodiol HTK Solution, Swedish Hospital, Seattle, WA

2002 **“Overview of Custodial HTK”** University of Washington Medical Center, Seattle, WA

2002 **“A Global Overview of Liver Transplantation,” “Combined Kidney-Liver Transplantation,” “Work-up of Patients for Liver Transplantation,” “Special Surgical Complications After Liver Transplantation”** Transplantation 2002, Turkey

2002 **“Work Up of Liver Transplant Recipients,” “Special Surgical Complications After Liver Transplantation,” “Combined Kidney-Liver Transplantation”**VIII International Congress of the Middle East Society for Organ Transplantation, Muscat, Sultanate of Oman

2002 **“Immunosuppressive Therapy for Patients Transplanted for Hepatitis C: What is the Optimal Regimen for Prevention and Treatment of Rejection?”** 53rd Annual Meeting of the American Association for the Study of Liver Diseases, Boston, MA

2002 **“Extension of Liver Transplantation to HIV Positive Individuals”** Loyola University Grand Rounds, Chicago, IL

2002 “**Organ Preservation with Histidine Tryptophan Ketogluterate (HTK) Solution”** Mount Sinai Grand Rounds, New York, NY

2003 **“Optimal Immunosuppression In Liver Transplantation,” “Liver Transplantation-Induced Tolerance”** Grand Rounds, Memorial Hospital Sun-Yat-Sen University, Guangzhou, China

2003 **“Graft Tolerance Following Liver Transplantation”** Grand Rounds, Northwestern University, Chicago, IL

2003 “**Preservation Solutions For Liver Transplantation”** Controversies In Transplantation, Breckenridge, CO

2003 **“Future Developments in Liver Transplantation”** Annual Congress of the Japan Surgical Society, Sapporo, Japan

2003 **“Immunosuppression For Expanded Donors”** International Liver Transplantation Society, Barcelona, Spain

2003 “**Overview of Liver Transplantation”** Northeastern Pennsylvania Transplant Support Group, Inc., Stroudsburg, PA

2003 **“The Custodial Solution”** Intermountain Donor Services Program, Salt Lake City, UT

2003 **“Hepatocyte Transplantation,” “Advances In Immunosuppression for Liver Transplantation”** 8th Congress of the Asian Society of Transplantation, Malaysia

2003 **“The History and Evolution of Organ Transplantation”** University of Pittsburgh Dental School, Dental Management of the Organ Transplant Patient Course, Pittsburgh, PA

2003 Meet the Professor Luncheon**, “Immunosuppression In Living Donor Recipient”** American Association for the Study of Liver Disease, Boston, MA

2003 **“Transplant Surgery – Where We’re At and Where We’re Going”** Grand Round, Harrisburg Hospital, Harrisburg, PA

2003 **“Small Bowel Transplantation: Viability of the Project In Developing Countries,” “Hepatic Transplantation”** Congress of the Mexican Association of General Surgery

2003 **"Surgical Approaches to the Management of Budd-Chiari Syndrome"** American Society of Hematology, San Diego, CA

2003 **"Establishment of a Liver Transplant Center and Laboratory"** 4th International Liver Transplantation Workshop, Chengdu, China

2003 **"Practical Approaches to the Use of Tacrolimus in Kidney Transplantation"** 8th Congress of the Arab Society of Nephrology and Renal Transplantation, Sharm El Shiek, Egypt

2004 **"History of Organ Transplantation"** Lehigh Valley Hospital Grand Rounds. Allentown, PA

2004 **"Combined Liver and Kidney Transplantation"** Controversies in Transplantation, Breckenridge, CO

2004 **"Transplantation in HIV Positive Patients**" University of Iowa, Iowa City, IO

2004 **"Living Donor Liver Transplantation"** Geisinger Health System - Dansville, PA

2004 **"Immunosuppression Withdrawal in Liver Transplantation: Myth or Reality,"** University of Texas, Houston - Houston, TX

2004 **"Peri-operative Management of Liver Transplant Patient"** International Liver Transplantation Symposium – Shanghai, China

2004 **"Immunosuppression after Living Donor Liver Transplantation"** Living Donor Transplant Symposium - Taormina, Italy

2004 **"Selection of HIV+ Candidates for Liver Transplantation in the HAART Era"** American Association for the Study of Liver Diseases/International Liver Transplantation Society Liver Transplant Course - Boston, MA

2004 **"Immunosuppression in Liver Transplantation: Beyond Calcineurin Inhibitors"** American Association for the Study of Liver Disease Post-Graduate Course - Boston, MA

2004 **Hopeman Lecture -** **"Historical Perspectives in Organ Transplantation"** Grove City College - Grove City, PA

2004 **"Liver Transplantation in HIV+ Patients"** Baylor University Medical Center Transplant Grand Rounds - Dallas, TX

2004 **"Addressing the Organ Shortage"** Cleveland Clinic Transplant Grand Rounds -Cleveland, OH

2004 **"Perspectives in Immunosuppression for Liver Transplantation"** Cleveland Clinic Foundation - Cleveland, OH

2005 **“Overview of Transplant Services at the Cleveland Clinic**” Foreign Embassy Update - Washington DC

2005 “**Transplantation in the HIV+ Individual”** Mayo Clinic Transplantation Grand Rounds, Mayo Clinic, Scottsdale, AZ

2005 **“Liver Transplantation for HCC”** Emerging Insights in Transplantation, San Antonio, TX

2005 “**Personal Perspectives on the History of Liver Transplantation”** University of Vermont College of Medicine Grand Rounds, Burlington, VT

2005 **“Development of Immunosuppression in the Future**” The Koichi Tanaka Symposium on Organ Transplantation, San Francisco, CA

2005 **“Long Term Outcomes After Liver Transplantation”** Transplant Outcomes Conference, Tarrytown, NY

2005 “**Overview of Custodiol (HTK) Preservation Solution**” University of Massachusetts Grand Rounds, Worcester, MA

2005 **“Comparison of Custodial HTK to UW Solution - Update on recent studies and utilization in NHBD donors”** Odyssey/Custodiol HTK, Chicago, IL

2005 **“Expanded Criteria Donors”** Columbia University, New York, NY

2005 **“Historical Perspectives in Transplantation”** Delaware Valley Transplant Club, Philadelphia, PA

2005 **“The Future of Transplantation”** TRIO Greater Cleveland Chapter, Cleveland, OH

2005 **“Tolerance Induction Protocols**” Immunosuppression Summit, UCLA, Santa Monica, CA

2005 **“Current Issue in the Care of Liver Transplant Recipients**” and **“HIV in Transplantation”** Methodist Hospital Grand Rounds, Dallas, TX,

2005 “**Steroid-sparing Immunosuppressive Protocols and Their Impact on Infections”** Infectious Disease Society of America - 43rd Annual Meeting, San Francisco, CA

2005 **“Organ Preservation with an Emphasis on the Non-Heart Beating Donor”** Methodist Hospital, New York, NY

2005 **“Induction Strategies in Liver Transplant”** Transplant Summit 2005, San Francisco, CA

2005 **“Malignancies After Liver Transplantation”** Thomas Starzl Transplant Fellows Symposium, Scottsdale, AZ

2005 **“Cold Ischemic Time and Preservation Solutions”** ILTS Consensus Development Symposium on Extended Criteria Liver Donors, Philadelphia, PA

2005 **“Preservation Solutions”** New York University School of Medicine, New York, NY

2005 “**Renal Insufficiency in Liver Transplant Recipients”** Clinical Challenges in Liver Transplantation, Pittsburgh, PA,

2006 **“Expanded Criteria Donors”** Hershey Medical Center Grand Rounds,, Hershey, PA.

2006 **“Broad Sharing vs. Local Utilization, Debate”** American Society of Transplant Surgeons Winter Symposium, Scottsdale, AZ

2006 **“Innovations in Liver Transplantation”** Sun-N-CME, Hot Topics in Medicine & Surgery, Cleveland, OH

2006 **“Antibody Induction”** Controversies in Transplantation Conference, Breckenridge, CO

2006 **“Immunosuppression in Liver Transplantation”** Shanghai-Hong Kong International Congress 2006, Shanghai, China

2006 **“Transplantation in HIV Patients”** Varese Update on Surgical Infections Meeting, Varese, Italy

2006 **Rudolf Lecture in Transplantation – “Liver Transplantation for Hepatocellular Carcinoma”** University of Virginia, Charlottesville, VA

2006 **“Hepatitis B recurrence prophylaxis protocol post-liver transplant with HBIG”** NABI Biopharmaceuticals Meeting, Boca Raton, FL

2006 **“PNF Management and Timing For Transplantation”** World Transplant Congress, Boston, MA

2006 **”Transplantation in the Setting of Chronic HIV Coinfection”** Viral Hepatitis Summit, Cleveland, OH

2006 **“The HIV Positive Patient for Transplantation” and “Donor Factors and Outcomes Following Liver Transplantation: Judging the Quality of the Graft”** International Liver Transplantation Society, Chicago, IL

2006 **“Liver transplantation in HIV infected individuals”** Congress Studio: Organ Transplantation In Infected Patients Meeting, Varese, Italy

2006 **“Organ Allocation in the US: Past, Present and Future”** Baptist Medical Center, Oklahoma City, OK

2006 **“Organ Transplantation in the People’s Republic of China”** Economies of Asia and Global Wellness Symposium, Carnegie Mellon University, Pittsburgh, PA

2006 **“Organ Transplantation in the People’s Republic of China”** Cleveland Clinic Transplant Center Grand Rounds, Cleveland, OH

2006 “**Liver Transplantation for HCC”** Korean Surgical Society Meeting, Seoul, Korea

2007 "**Need Organs, Will Travel**" ASTS Winter Symposium – Marco Island, FL

2007 "**Treatment Options for Hepatocellular Caricoma**" University of Texas San Antonio Grand Rounds

2007 "**Controversies in Liver Transplantation for Hepatocelluar Carcinoma**" Second Pan Arab Liver Transplantation Congress - Riyadh Saudi Arabia

2007 "**Liver Based Tolerance - Clinical Findings and Laboratory Investigation**" University of Utah Surgery Grand Rounds

2007  **”Combined Liver and Kidney Transplantation**" China Organ Transplantation Forum - Beijing China

2007 "**Old Problems in the New Era of Transplantation - The Impact of Post-transplant Infections**" American Transplant Congress

2007 "**Living Donor Liver Transplantation: What are the issues and what will the future hold**" American Transplant Congress

2007 "**Advances in Immunosuppressive Strategies in Liver Transplantation**" Asia Pacific Summit - Addressing the Challenges in Solid Organ Transplantation- Sapporo, Japan

2007 ”**What's Hot in Liver Transplantation**" 19th Congress of the Spanish Society of Liver Transplantation - Valladolid, Spain

2007 "**Safely Expanding the Donor Pool"** University of Rochester - Seymour Schwartz Lecture in Surgery, Rochester, NY

2007 "**Hepatitis B Prevention following Liver Transplant: A New Era in Viral Prophylaxis**" American Association for the Study of Liver Diseases

2008 "**International Publishing Skills**" Asia Pacific Colloquium Solid Organ Transplantation - Seoul Korea

2008 "**International Publishing Skills**" Asia Pacific Colloquium Solid Organ Transplantation– Hong Kong, PRC

2008 “**Long-term management of the liver transplant recipient”** University of Arkansas, Little Rock, AR

2008 “**Small Bowel Transplantation”** Controversies in Transplantation Conference - Breckenridge, CO

2008 "**Managing the Liver Waiting List: Use of ECD and DCD Liver Grafts**" AST Winter Symposium - Palm Springs, CA

2008 **“Preservation Solutions”** University of Kentucky School of Medicine, Lexington, KY

2008 “**Small Bowel Transplantation”** Society of Black Academic Surgeons - Cleveland Clinic, Cleveland OH

2008 “**Management of the Deceased Donor”** International Liver Transplantation Society –Hong Kong, PRC

2008 “**Increasing the Donor Pool – Optimizing the Use of the DCD Donor”** Mayo Clinic Jacksonville Transplant Grand Rounds – Jacksonville FL

2008 “**Transplant Innovation and Ethical Challenges”** Ethical Challenges in Surgical Innovation – Cleveland Clinic, Cleveland OH

2008 “**Ethical Challenges in Global Medical Education”** David Rogers Health Policy Colloquium New York Weil Cornell Medical Center – New York, NY

2008 “**A Historical Perspective of Organ Transplantation**” 39th Annual Kate and Harvey Cushing Lecture– North Shore Hospital

2008 “**An Update on Combined Liver/Kidney Transplantation in the Era of MELD”** Piedmont Hospital Transplant Grand Rounds– Atlanta GA

2008 “**DCD in Liver Transplantation”** ILTS Annual Meeting, Paris France

2008 “**Liver Transplant Immunosuppression: An Update”** Tenth Prograf Anniversary Symposium– Taiwan, China

2008 “**International Writing Skills”** Tenth Prograf Anniversary Symposium– Taiwan, China

2008 “**Liver Transplantation for Hepatocellular Carcinoma”** Mexican Society of Transplantation – Acapulco, Mexico

2008 “**Preventing Biliary Strictures after DCD Liver Transplantation”** HRSA Organ Donation and Transplantation Breakthrough Collaborative– Nashville TN

2008 "**Hepatic Tolerance**" AASLD: Thomas E. Starzl Transplant Surgery State-of-the- Art Lecture - San Fransciso, CA

2008 "**Combined Liver and Kidney Transplantation,**" "**Immunosuppression in Liver Transplantation**"Middle Eastern Society on Organ Transplantation – Shiraz, Iran

2008 "**Liver Transplantation for Hepatitis B and C Associated Liver Disease**" 2008 Symposium on Chronic Hepatitis and Liver Diseases– Taiwan, China

2009 ”**Does Small-for-Size Liver Really Work?”** Controversies in Transplantation – Breckenridge, CO

2009 **”Institutional Structure/Resources”** ATC 2009 Business of Transplantation – Boston, MA

2009 **”Introduction” – Minisymposium Course Organizer** ATC 2009 Multiorgan Transplantation – Boston, MA

2009 **”Living Donor Liver Transplantation”** 2009 National Congress of HPBT Surgery of China – Nantong, China

2009 **”Subclinical Intestinal Rejection”** Xith International Congress of the Small Bowel Transplantation Association – Bologna, Italy

2009 **”Immunosuppression for Select Situations”** Innovations in Liver Transplantation - ILTS Symposium – Beijing, China

2009 **”Liver Transplantation in HIV Positive Candidates”** Infections and Organ Transplantation – New Challenges for Prevention and Treatment –Varese, Italy

2009 **”The History of Organ Preservation”** 25th Anniversary Jefferson Liver Transplanatation Symposium – Philadelphia, PA

2009 **“Transplant Tourism”** Updates on Liver and Kidney Disease and Transplantation 2009: Controversies in Transplantation - Atlanta, GA

2009 **“Pathophysiology of Living Donor Liver Transplantation”** American College of Surgeons – Chicago, IL

2009 **"Liver Transplantation Can't Wiat - The Case of Hepatocellular Carcinoma"** Chinese Medical Society - New York, NY

2009 **"A Historial Perspective of Liver Transplantation"** Transplantation in the United Arab Emirates – Abu Dhabi

2009 **"Living Donor Liver Transplantation"** Transplantation in the United Arab Emirates – Abu Dhabi

2010 **"The Publication Process: Improving the Odds"**  Asia Pacific Colloquium on Organ Transplantation – Seoul, Korea

2010 **"Liver Based Transplant Tolerance"** 2010 Organ Transplant and Immunotherapy Forum – Shanghai, PRC

2010 **"The Publication Process: Improving the Odds"** Asia Pacific Colloquium on Organ Transplantation – Shenzhen, PRC

2010 **“Losing My Religion – UW is Superior to HTK for Abdominal Organ Preservation: Con”** ASTS 10th Annual Winter Symposium – Ft. Lauderdale, FL

2010 **“Advances in Treatment of Metastatic Colorectal Cancer to the Liver”** Surgery of the Foregut Symposium – Weston, FL

2010 **“Preservation of Liver Allografts”**Transplant Grand Rounds – Charleston, SC

2010 **“Multiple Listing”**Controversies in Transplantation – Breckenridge, CO

2010 **“Immunosuppression in Liver Transplantation,” “Outcomes of Cadaveric Liver Transplantation,” “Minimally Invasive HPB Surgery”** First Kuwait Conference on Hepato-Pancreato-Biliary Surgery and Transplantation – Kuwait City

2010 **“Donor Factors and Outcomes”** Course Director – Liver Transplantation, Asian Pacific Association for the Study of the Liver – Beijing, China

2010 Course-Director **“Transplant Tourism”** Advances in Organ Transplantation – 2010 Genzyme Annual Fellows Conference – Boston, MA

2010 **“The Role of the Liver in Immunity – Lessons From Liver Transplantation”** Johns Hopkins University Comprehensive Transplant Center Grand Rounds – Baltimore, MD

2010 **“Safely Expanding the Donor Pool”** Temple University Research Conference – Philadelphia, PA

2010 **“Advances in Hepatology – New Frontiers in Liver Transplantation”** Digestive Disease Week – AASLD Research Highlights – New Orleans, LA

2010 **“The Role of the Liver in Immunity”** Albert Einstein Medical Center – 22nd Annual Research Recognition Day – Philadelphia, PA

2010 **“Medicolegal Aspects of Organ, Tissue and Cell Transplantation”** 17th Turkish National Surgical Congress – Ankara, Turkey

2010 **“Around the World in 90 Minutes – Strategies to Increase the Application of Liver Transplantation”** 16th Annual Congress of the International Liver Transplantation Society – Hong Kong, PRC

2010 **“Organ Preservation in Transplantation”** 2010 Annual Scientific Meeting of the Transplantation Society of Australia and New Zealand

2010 **“Impact of MELD on HCC Patients in the United States”** Korean Society of Transplantation Symposium

2010 **“Combined Heart-Kidney Transplantation”** Cardiac Transplantation Workshop – NHLBI – Bethesda, MD

2010 **“Liver Transplantation for Fatty Liver Disease”** 2010 Shanghai Internation Forum on Digestive Diseases – Shanghai, PRC

2010 **“Innovations in Transplantation”** Optum Health Spotlight on the Cleveland Clinic – Cleveland, OH

2010 **“Liver Transplantation for Patients with Hepatic Neoplasms,” “Living Donor Liver Transplantation: Technical and Ethical Limitations”** 12th Congress of the Middle East Society for Organ Transplantation – Tunis, Tunsia

2010 **“Using livers from donation after cardiac death donors - Are we getting better?”** Transplant Workshop, Donation after Cardiac Death (DCD): Liver Transplantation: Optimal Techniques and Outcomes, American Association for the Study of Liver Diseases – Boston, MA

2010 **“Evolution of Techniques in Liver Transplantation”**2nd Annual Symposium on Transplantation in the UAE

2010 **“Malignancies after Liver Transplantation”** Presssing Issues in Liver Transplantation – ILTS – Shanghai, PRC

2011 “**Advances in Liver Transplantation for Hepatocellular Carcinoma”** Masters of Surgery - Montefiore Medical Center, Albert Einstein College of Medicine – New York

2011 **“Advances in Treatment of Hepatocellular Carcinoma,” “Clinical Focus on Liver Transplantation”** Surgery of the Foregut Symposium - Cleveland Clinic Weston – Miami, FL

2011 **“Advances in Immunosuppression of Solid Organ Transplantation”** Controversies in Transplantation – University of Colorado – Breckenridge, CO

2011 “**Advances in Immunosuppression of Solid Organ Transplantation”** Course Director, Advances in Organ Transplantation – 2011 Genzyme Annual Fellows Conference – Boston, MA

2011 **“Advances in Liver Transplantation for Hepatocellular Carcinoma”** 8th Beijing International Summit Forum of Organ Transplantation and Liver Surgery –Beijing PRC

2011 “**Safely Expanding the Donor Pool”** Transplantation Innovations: 30 Years of Transforming Lives – University of Pittsburgh – Pittsburgh, PA

2011 **“Advances in Immunosuppression in Solid Organ Transplantation,”** “**Understanding Transplant Tolerance: Lessons from Liver Transplantation”** Tenth International Congress of Iranian Society of Organ Transplantation – Shiraz, Iran

2011 “**Safely Expanding the Donor Pool”** MOT Distinguished Lecturer Series – University of Toronto, Toronto, Canada

2011 “**What’s Hot in Liver Transplantation”** Organ Transplantation Summit Forum 2011 – Hangzhou PRC

2011 **“The Liver Transplant Programs in Asia: The China Experience”** 2011 Joint International Congress of ILTS, ELITA, & LICAGE – Valencia, Spain

2011 **“Liver Transplantation for Hepatocellular Carcinoma – To What Extent?” “Living Donor Liver Transplantation: What the Future Holds”** 9th Liver Update Malaysian Liver Foundation – Kuala Lumpur, Malaysia

2011 **“Long-Term Issues After Liver Transplantation,”** “**Management of liver allograft rejection”** Optimizing Liver Transplantation Long Term Outcome – Challenges And Strategies – Beijing, PRC

2011 “**Innovative Techniques In Liver Transplantation”** International Symposium on Liver Transplantation - The Transplantation Society of Taiwan, Taichung, Taiwan

2011 “**Establishing a Center of Excellence: The Cleveland Clinic Transplant Center Experience”** Optimizing Surgical Treatment of Rectal Cancer (OSTRiCh) - Cleveland Clinic, Cleveland, OH

2011 **“Geographical and Other Variations in Organ Distribution”** Organ Donation Work Group Report – Advisory Committee on Organ Donation – Washington DC

2011 **“Overview of Liver Transplantation in the United States,” “Liver Transplantation for Hepatic Malignancies: Outcomes”** The Liver Package – Northwestern University – Las Vegas, NV

2011 “**Acute Liver Failure and Liver Transplantation,” “Down-staging HCC in Liver Transplantation”**12thCongress of the Asian Society of Transplantation - Seoul, Korea

2011 **“The Difficult Hepatectomy”** Living Donor Liver Transplantation – Liver Surgery Symposium – Seoul National University Hospital, Seoul, Korea

2011 **“Updates in Liver Transplant Immunosuppression,” “Management of the Deceased Organ Donor**” International Liver Transplantation Society - Innovations in Liver Transplantation – Istanbul, Turkey

2011 **“Update in Liver Transplantation: Focus on Organ Utilization,” “Advances in Immunosuppression of Solid Organ Transplantation”**The 2nd Gulf Cooperation Council Congress for Organ Transplantation – Riyadh, Saudi Arabia

2011 **“Transplantation Immunity: Lessons from Liver Transplantation “** APASL Single Topic Conference - Clinical Immunology and Immunotherapy for Viral Hepatitis – Beijing, PRC

2011 **“Extended Criteria Livers: Safely Expanding the Donor Pool”** Emerging Issues in Organ Transplantation - Cleveland Clinic – Cleveland, OH

2011 “**Transplantation Tourism”** 9th Annual Focus on Transplantation - The Modern Era: Travel, Transition, Technology and Transplantation - ITNS Buckeye Chapter – Cleveland, OH

2011 **“Future Prospects In Liver Transplantation Immunosuppression “** AASLD/ILTS Transplant Course – San Francisco, CA

2011 **“Updates in Liver Transplant Immunosuppression,” “Management of the DCD Organ Donor”** ILTS - Innovations in Liver Transplantation – Beijing, PRC

2011 **“Immunosuppression Advances in Solid Organ Transplantation”** Transplant Grand Rounds - Cleveland Clinic – Cleveland, OH

2011 **“Composite Tissue Allograft Transplantation: Worldwide Lessons”** Uterus Transplant Conference – Indiana University – Indianapolis, IN

2011 **“Exploring the Frontiers of Medicine: Digestive Diseases”** Exploring the Frontiers of Medicine Series - Cleveland Clinic Abu Dhabi – Abu Dhabi, UAE

2012 **“A Historical Perspective of Organ Transplantation”** Surgery Grand Rounds – University of Arizona Banner Good Samaritan – Phoenix, AZ

2012 **“Cancers after Solid Organ Transplantation”** Academy of Medicine of Cleveland and Northeast Ohio – WCLV Radio

2012 **“A Historical Perspective of Organ Transplantation”** Banner Good Samaritan, Phoenix, AZ

2012 **“Modern Techniques of Liver Resection,” “Management of Bile Leaks after Complex Liver and Biliary Tract Surgery”** Surgery of the Foregut Symposium - Cleveland Clinic Weston – Miami, FL

2012 **“Transplant Tourism”** Controversies in Transplantation – University of Colorado – Breckenridge, CO

2012 Organizing Committee, China National Congress for Donation after Circulatory Death - Hangzhou, China

2012 “**Liver Transplantation in HIV Co-Infected Patients – US Experience”** Transplant Infectious Diseases – Varese, Italy

2012 **“Minimizing Blood Transfusion in Liver Transplantation: Current Status”** TransFuse: The Transformative Fusion of Innovative Blood Management Technologies – Phoenix, AZ

2012 “**Liver Transplantation for Hepatic Malignancies: Outcomes”** Shanghai International Conference in Digestive Diseases – Shanghai, PRC

2012 “**Advances in Immunosuppression of Solid Organ Transplantation”** Course Director, Advances in Organ Transplantation – 2012 Genzyme Annual Fellows Conference – Boston, MA

2012 “**The Triple Threat Academic Surgeon”** The Art of Surgery Today: The Last Supper - Thessaloniki, Greece

2012 “**HCV Recurrence After Liver Transplantation: Improving Long-Term Outcomes”** Trans-Agora – Satellite Symposium for ILTS - San Francisco, CA

2012 “**The Difficult Liver Resection,” “Updates in Liver Transplant Immunosuppression”** 18th Congress of the Turkish Surgical Association - Izmir, Turkey

2012 “**Renal function in liver transplantation”** Trans-Agora – Satellite Symposium for American Transplant Congress – Boston, MA

2012 “**They Supply Them and You Buy Them: Where are We With Transplant Tourism?” “Sentenced to Donation: Prisoners as Donors"** American Transplant Congress Sunrise Symposium - Boston, MA

2012 “**Strategies for Managing of Recurrent Hepatitis After Liver Transplantation”** 14th International Symposium on Viral Hepatitis and Liver Disease - Shanghai, PRC

2012 “**Advances in Immunosuppression of Solid Organ Transplantation,” “Current Issues in Surgical Education”** 37th Annual Congress of Japanese College of Surgeons – Fukuoka, Japan

2012 “**Liver Transplant Outcomes in the United States : Effect of Preservation Solution”** DKFC Satellite Symposium to the Transplantation Society – Berlin, Germany

2012 “**Donor Considerations in Liver Transplantation,” “Portal Vein Thrombosis in Liver Transplantation: Surgical Mini-CPC”** AST Fellows Meeting - Grapevine, TX

2012 **“Liver Transplant Tourism”** Liver Matters – Las Vegas, NV

2012 **“Overview of Liver Transplantation in the United States,” “Surgical Treatment of Liver Cancer”** Digestive Disease Update - Shanghai, PRC

2012 **“Unique Challenges in Patient Blood Management and Transplant Surgery”** 2012 Society for the Advancement of Blood Management - Pittsburgh, PA

2012 **“Prisoners: Donor, Recipient, or Neither?”** The MacLean Center Seminar Series - University of Chicago, Chicago IL

2012 **“Applying DBD Concepts to DCD”** ILTS – Hangzhou, PRC

2012 **“The Threats to The Triple Threat Academic Surgeon”** Surgical Hot Topics Symposium - Rome, Italy

2012 **“Update In Xenotransplantation,”** “**Immunosuppressant Protocols in Liver Transplantation: Tailoring Minimizing, Weaning”** 13th Congress of Middle Eastern Society of Organ Transplantation – Abu Dhabi

2013 **“Liver Transplant Tourism”** Pan Arab Liver Transplantation Society - Qatar

2013 **“Hepatitis C in Liver Transplantation – Treatment in the Present and Future”** 13th Annual ASTS State-of-the-Art Winter Symposium – Miami, FL

2013 “**Hepatitis B & C: Clinical Implications For The Transplant Recipient”** NATCO Symposium – Miami, FL

2013 “**The Hector Orozco Lecture: Liver Transplantation for Viral Hepatitis - What Have We Learned and What is the Future?”** XX Curso Internacional De Cirugia Hepatopancreatobiliar – Mexico City, Mexico

2013 “**Recent Advances in Immunosuppression for Liver Transplantation”** Surgery of the Foregut - Cleveland Clinic – Miami, FL

2013 “**Immunosuppressant Protocols in Liver Transplantation: Tailoring Minimizing, Weaning”** Controversies in Transplantation – University of Colorado, Breckenridge, CO

2013 **“Minimizing CNI-Based Immunosuppression (With An Emphasis In Liver Transplantation)”** Saudi International Congress on New Frontiers in Organ Transplantation – Riyadh, Saudi Arabia

2013 **“Considering The Future Education Of Young Surgeons”** 113th Annual Congress of the Japan Surgical Society – Fukuoka, Japan

2013 **“Minimizing CNI-Based Immunosuppression (With An Emphasis In Liver Transplantation)”** 2013 Fellows Conference: Advances in Organ Transplantation – Boston, MA

2013 **“DDIC Overview: Cleveland Clinic Florida DDC”** Cleveland Clinic Weston – Weston, FL

2013 **“Liver Resection for Hepatocellular Carcinoma”** International Liver Transplantation Society – Sydney, Australia

2013 **“Early Everolimus-Facilitated Minimization of Tacrolimus: Progression of Renal Function and** **Effect on Proteinuria at 24 Months”** International Liver Transplantation Society – Sydney, Australia

2013 “**Advances in Liver Transplantation: Trends in Liver Allograft Utilization”** XXV Anniversary Celebration of Liver Transplantation - University Hospital Clinic of Barcelona – Barcelona, Spain

2013 **“Managing HCC recurrence and *de novo* cancers in liver transplantation”** Latin American Transplant Association – Miami, FL

2013 **“Establishing a Center of Excellence: The Cleveland Clinic Transplant Center Experience”** University of Kansas – Kansas City, KS

2013 **“Long-Term Immunosuppression and the Risk of Post-Transplant Malignancy”** Ohio State Organ Transplant Consortium Annual Scientific Meeting – Columbus, OH

2013 **“Rethinking Endpoints for Clinical Trials: Liver Transplantation”** Emerging Issues in Organ Transplantation – Medical University of South Carolina – Charleston, SC

2013 **“A Historical Perspective of Organ Transplantation”** Surgery Grand Rounds -Cleveland Clinic Florida – Weston, FL

2013 **“A New Paradigm in Organ Preservation: Ex-Vivo Normothermic Perfusion”** 2014 China Organ Transplantation Congress

2013 **“Intestinal Failure: Evolution of Therapy in the Era of Intestinal Transplantation”** American College of Surgeons Annual Meeting – Washington DC

2013 **“Static Cold Perfusion Fluids”** 12th Congress of the International Society for Organ Donation and Procurement – Sydney, Australia

2013 **“Understanding Transplant Tolerance: Lessons from Liver Transplantation”** XXII Latin American and Caribbean Congress/XII Argentine Congress on Transplantation

2013 **“Liver Transplantation for Non-HCC Hepatic Malignancies: Outcomes”** 25th Anniversary Liver Transplantation - Ankara, Turkey

2014 **“Long Term Survival after Liver Transplantation: A Triumph of Surgery and Immunosuppression”** Hermann Annual Keynote Lecture: Surgery of the Foregut - Cleveland Clinic – Miami, FL

2014 **“Immunosuppression in Liver and Kidney Transplantation: The Era of CNI Minimization”** Georgetown University Transplant Grand Rounds – Washington DC

2014 **“A New Paradigm in Organ Preservation: Ex-Vivo Normothermic Perfusion”** Controversies in Transplantation – University of Colorado – Breckenridge, CO

2014 **“The History of Liver Transplantation with an Emphasis on the Pittsburgh Contributions”** University of Gothenburg – Gothenburg, Sweden

2014 **“Evolving Endpoints In Liver Transplant Immunosuppression”** 114th Congress of the Japan Surgical Society – Fukuoka, Japan

2014 **“Evolving Endpoints In Liver Transplant Immunosuppression”** 2014 Fellows Conference: Advances in Organ Transplantation – Boston, MA

2014 **“Safely Expanding the Donor Pool”** Houston Methodist - J.C. Walker Jr. Transplant Grand Rounds – Houston, TX

2014 **“Safely Expanding the Donor Pool”** Joseph B. Whitehead Lecture - Emory University School of Medicine – Atlanta, GA

2014 **“Liver Transplantation in HIV-Infected Patients: New Perspectives for Treatment of HCV Recurrence”** Second Internationa Congress on Viral Hepatitis and Organ Transplantation – Varese, Italy

2014 “**Balancing The Impact Of Transparent Outcomes: Potential Unintended Consequence Of Quality Oversight”** Liver Transplantation – Aspiring to Excellence - 2014 International Congress of ILTS

2014 **“Static Cold Perfusion Fluids”** University of Washington – Seattle, WA

2014 **“Everolimus With Reduced Tacrolimus Preserves Long-Term Renal Function in Liver Transplant Recipients: 36 and 48 Months Results From The H2304E1 Study”** World Transplant Congress – San Francisco, CA

2014 “**Establishing a Center of Excellence: The Cleveland Clinic Transplant Center Experience”** Lanzhou University – Lanzhou, China

2014 **“Safely Expanding the Donor Pool”** 14th Congress of the Middle Eastern Society for Organ Transplantation

2014 **“Update on the Cleveland Clinic Health System Transplant Program”** Cleveland Clinic Alumni Board – Cleveland, OH

2014 **“A Historical Perspective of Organ Transplantation”** Medical College of Wisconsin – Milwaukee, WI

2014 **“Lessons Learned On Donation After Cardiac Death (DCD) From The West”** Current Controversies In Liver Transplantation – Shanghai, China

2014 “**Immunosuppression in Pediatric Liver Transplantation”** Cleveland Clinic Pediatric Institute: James Ted Engle Pediatric Lecture – Cleveland, OH

2015 **“Rumble in the Miami Jungle: Money in Organ Transplantation”** American Society of Transplant Surgeons Winter Meeting – Miami, FL

2015 **“Hepatitis B and Hepatitis C Virus in Liver Transplantation”** Asian Pacific Transplant Caucus 2015 – Jeju, Korea

2015 “**Liver Transplantation for Hepatic Malignancies,” “Beyond the OR: New Strategies in Immunosuppression and Tolerance Induction for Liver Transplantation”** VIIth International Course on HPB Surgery – Porto, Portugal

2015 **“Compensation for Organ Donation”** Controversies in Organ Transplantation – University of Colorado – Breckenridge, CO

2015 “**De Novo Trials of Everolimus in Liver Transplantation”** mTOR in Liver Transplantation: Fact and Fiction – Baylor University – Dallas, TX

2015 “**Liver Transplantation In HIV-Infected Patients**” 5th International Congress: Infections and Organ Transplantation – Varese, Italy

2015 **“Safely Expanding the Donor Pool”** University of Miami – Miami, FL

2015 **“Tailoring Current Immunosuppressive Therapy in Liver Transplantation: Disease-Specific Regimens** **Renal Sparing: Who, What, When?”** American Transplant Congress - Philadelphia, PA

2015 “**Evolution of Immunosuppression in Liver Transplantation”** Thomas Starzl Prize in Surgery and Immunology – Univesity of Pittsburgh, Pittsburgh, PA

2015 **“Evolution of Abdominal Organ Transplantation: Contributions of Thomas Starzl, MD, PhD and the Cleveland Connection”** Digestive Disease Grand Rounds - Cleveland Clinic Ohio – Cleveland, OH

2015 “**Liver Allograft Preservation, Optimization and Repair”** Ohio State Organ Transplant Consortium Annual Scientific Meeting – Columbus, OH

2015 “**Metastatic Liver Lesions: When to Operate”** American Liver Foundation: 10th Annual Liver Matters - Cleveland, OH

2015 “**A Critical Analysis Of Organ Perfusion Solutions In Liver Transplantation”** European Society of Organ Transplantation – Brussels, Belgium

2015 **“Evolution of Immunosuppression in Liver Transplantation”** Innovations in Liver, Kidney and Pancreas Transplantation - Westchester Medical Center Transplant Symposium – Westchester, NY

2015 “**Liver Transplantation for Hilar Cholangiocarcinoma”** XXIII Congress of the Latin American And Caribbean Society of Transplantation

2015 “**Emerging Trends in the Management of HCC - A Surgeon’s Perspective”** Lanzhou University – Lanzhou, China

2015 **“Acute Liver Failure and Liver Transplantation,”** “**Drug Weaning vs Tolerance in Liver Transplantation,” “Evolution of Immunosuppression in Liver Transplantation”** 3rd Tehran HPB & Liver Transplant Congress - Tehran, Iran

2015 “**Technical Frontiers in Liver Transplantation,” “Immunosuppressive Strategies in Liver Transplantation”** New Frontiers in Liver Transplantation – Chengdu, China

2016 **“Healthcare Reform: Impact on Transplant Programs and Medical Centers”** Association of Organ Procurement Organizations Directors Workshop - Atlanta, GA

2016 **“Liver Masses: Conservative vs. Surgical Management”** 5th Annual Gastroenterology and Hepatology Symposium **–** Cleveland Clinic - Boca Raton, FL

2016 **“Surgical Approaches to Common Bile Duct Injuries”** Surgery of the Foregut Symposium – Cleveland Clinic - Boca Raton, FL

2016 **“Overview of Immunosuppression in** **Vascularized Composite Allotransplantation”** Nasser Al-Rashid Orbital Research Colloquium - University of Miami – Miami, FL

2016 “**Surgery for Liver Cancers: Practical Considerations,” “Liver Transplantation – 2016: Donor Considerations”** 4th Bi-Annual Shanghai International Forum on Digestive Diseases - Cleveland Clinic/Jiao Tong University – Shanghai, China

2016 **“Organ Preservation, Optimization and Repair”** University of Toronto Multiorgan Transplant Grand Rounds – Toronto, ON

2016 **“Immunoprophylaxis and Early Postoperative Management: Current Updates and Controversies**” International Liver Transplantation Society – Seoul, Korea

2016 **“Liver Transplantation in HIV Infected Patients: New Perspectives on HCV Prevention and Relapse”** Viral Hepatitis and Organ Transplantation – Varese, Italy

2016 **“The Difficult Liver Resection**” Jiangsu Province Conference on Hepatic Diseases – Nantong, China

2016 **“Safely Expanding the Donor Pool”** Cleveland Clinic – Fort Lauderdale, FL

2016 **“Technical Considerations in Liver Transplantation”** Lake Como School on Advanced Studies – Lake Como, Italy

2016 **“The William H. Harridge Memorial Lecture: The Changing Face of Short-Gut Syndrome Management”** Midwest Surgical Assocation – Mackinaw Island, MI

2016 **“Share 35 – USA Perspective,” “When to Take a Kidney – USA Perspective”** – Astellas Liver Meeting – Melbourne, Australia

2016 **“An Overview of Heart Transplantation”** Merck Advisory Board on Transplantation – Wilmington, DE

2016 **“Perspectives in Transplantation: Past, Present and Future”** International Transplant Nursing Society – Pittsburgh, PA

2016 **“Deceased Donor Liver Transplantation for Hepatocellular Carcinoma”** American College of Surgeons – Washington DC

2016 **“Ischemic Type Biliary Lesions: The Case for Exogenous Fibrinolysis”** 4th International Workshop on DCD – Barcelona, Spain

2016 **“Evolution of Immunosuppression in Liver Transplantation”** International Symposium on Liver Tumors and Transplantation – Ankara, Turkery

2016 **“A New Paradigm in Organ Preservation: Ex-Vivo Normothermic Perfusion,” “Evolution of Liver Transplantation: Contributions of Thomas Starzl, MD, PhD and his Pittsburgh Disciples”** Shiraz University dedication – Shiraz, Iran

**INVITED, ELECTED, OR APPOINTED EXTRAMURAL SERVICE**

1991 Co-Chairman, Scientific Program Committee, First International Congress on FK 506, Pittsburgh, PA

1991 Editorial Board - *Transplantation Science*

1991 Editorial Board - *General Surgery News*

1993 Associate Editor - *Digestive Diseases and Sciences*

1993 Editorial Board - *Clinical Transplantation*

1994 Chairman – ASTS Scientific Studies Committee

1994 Committee member – AASLD Transplant & Biliary Tract Surgery Committee

1994-1999 Associate Editor - *Liver Transplantation and Surgery*

1994-1998 Chairman, Research & Education Committee, American Hepato-Pancreato-Biliary Association

1995-1996 Board Member, TRIO, Transplant Recipients International Organization, Pittsburgh Chapter

* 1. Regional Representative to the UNOS Membership and Professional Standards Committee

1995-2004 Council Member – International Liver Transplantation Society

1996-1997 Honorary advisor of ASIA

1997 Editorial Board, Liver Transplantation on the Web

1996-1998 ASTP Committee for Liver and Intra-abdominal Organs

1997- International Advisory Board - *Annals of the College of Surgeons of Hong Kong*

1997-1998 Editorial Board Member - *Chinese Journal of General Surgery*

1997 Liver Editorial Board Member for the International Congress on Immunosuppression

1998- Member, NIAID Data and Safety Monitoring Board

1998-2000 Editorial Board - *Graft*

1999 Knowledge Daily’s Advisory Board

1997-1998 Chairman Education Committee – AHPBA

1997-1998 Co-Chair ASTP Organ Donation Committee

1997-1998 Co-Chair ASTP Liver and Intra Abdominal Organ Committee

1997-1999 President, International Liver Transplantation Society

1998-1999 Co-Chair ASTS/ASTP Post-Transplant Lymphoproliferative Diseases

1999-2000 AST Xenotransplantation Committee

1999 External Referee, British Columbia Health Research Foundation

1997- Board of Directors, Americans for Medical Progress

2000-2004 Editorial Board - *Liver Transplantation*

1999- Editorial Board - *Medscape Transplantation*

2000 Editorial Peer Review Board - *JAMA*

2000-2001 Region 2 Special Case Liver Review Board Member

2000- Editorial Board - *Journal of the American College of Surgeons*

2001-2003 National Institute of Health Recombinant DNA Advisory Committee

2001-2003 International Advisory Board - *Annals of the College of Surgeons of Hong Kong*

2001-2002 AST Liver and Intra-Abdominal Organ Committee

2001-2010 Co-chair, ASTS Reimbursement Committee

2001-2003 AASLD Surgery and Liver Transplantation Committee

2001-2003 Editorial Committee - *Hepatobiliary and Pancreatic Diseases International*

2002-2008 Councilor - The Transplantation Society

2001-2003 ATC Planning Committee

2003- Editorial Board - *Transplantation*

2003- International Advisory Board - *Saudi Journal of Kidney Diseases and Transplantation*

2004-2008 Chairman - Membership Committee, Transplantation Society

2005-2009 Editor – *Liver Transplantation*

2006-2007 ASTS Development Committee

2007-2008 Elected member - AASLD Nominating Committee

2008-2012 Secretary – The Transplantation Society

2008-2010 Chair, ASTS Reimbursement Committee

2009-2012 Veterans Administration Merit Review Study Section

2009- Associate Editor - *Immunotherapy*

2009-2015 Chair, Publication and Presentation Sub-committee UO1 NIH HIV Transplant study

2010-2012 Region 10 elected representative to UNOS Liver and Intestine Committee

2010- Editorial Board – *International Journal of Organ Transplantation Medicine*

2010-2014 Editorial Board - *Liver Transplantation*

2010- Advisory Committee on Organ Transplantation – Secretary of DHHS

2011-2012 AST Annual Scientific Exchange – Organizing Committee

2012-2016 Treasurer – The Transplantation Society

2016-2020 Secretary – The Transplantation Society

2016- Medical Advisory Board – Gift of Hope OPO

2017 Department of Defense – Congressionally Directed Medical Research Programs – Reconstructive Transplant Research Program Study Section

**PROFESSIONAL SOCIETIES (Year)**

National Board of Medical Examiners Diplomate 1982

American Medical Association 1983

American College of Surgeons Candidate Group 1988

Association of Academic Surgery 1988

University of Rochester Organ Transplant Task Force 1988

Allegheny County Medical Society 1989

American Society for Histocompatibility and Immunogenetics 1989

Transplant Society of Australia and New Zealand 1990

Member of University of Pittsburgh Transplant Council 1990

American Liver Foundation 1990

American College of Surgeons Associate Fellow 1990

American Society of Transplant Surgeons (ASTS) 1991

Commonwealth of Pennsylvania, Department of Health

Organ Transplant Task Force 1991

Society of University Surgeons 1992

Surgical Biology Club 1992

The Transplantation Society (TTS) 1993

International Liver Transplant Society (ILTS) 1993

Cell Transplant Society 1993

American Society of Transplant Physicians (ASTP, AST) 1995

American Hepato-Pancreato-Biliary Association (AHPBA) 1995

American Association Study of Liver Diseases (AASLD) 1995

American College of Surgeons Initiate Fellowship (FACS) 1996

American Surgical Association (ASA) 1998

Cleveland Surgical Society 2004

Ohio State Organ Transplant Consortium 2004

National Organ Transplant Committee 2009

Ministry of Health Peoples Republic of China

Advisory Committee on Organ Transplantation (ACOT) 2010

Health Resources and Services Administration

Fellow of the American Association for the Study of Liver Disease 2014

(FAASLD)

Society of Asian American Surgeons (SAAS) 2015

Fellow of the American Society of Transplantation 2016

**Journal Reviewer**

American Journal of Transplantation

American Journal of Surgery

Archives of Surgery

Clinical Transplantation

Digestive Diseases

Experimental and Clinical Transplantation

Hepatology

HPB International

Immunotherapy

Journal of the American College of Surgeons

Journal of the American Medical Association

Journal of Hepatology

Journal of Organ Transplantation

Liver Transplantation

Nature

New England Journal of Medicine

Oncology

Pediatric Transplantation

Surgery

Transplantation

Transplant International

Xenotransplantation

**EDUCATION**

*Undergraduate programs:*

1997 Project Course for Undergraduate Carnegie Mellon University Students on the Organ Transplant System

*Graduate programs (Ph.D.):*

1990 PhD Committee for Yolanda Colson MD, PhD - University of Pittsburgh, Immunology

1991 PhD Committee for Susan Saidman, PhD - University of Pittsburgh, Immunology

1995 PhD Advisor for Ngoc Thai, MD, PhD - University of Pittsburgh, Immunology

1996 PhD Committee for William Irish, PhD - University of Pittsburgh, Biostatistics

2000 External Examiner for PhD thesis of Chung Mao Lo, MD, PhD - University of Hong Kong

2009 External Examiner for PhD thesis of Cheng Qiao, PhD – University of Hong Kong

2007-2009 Research Mentor for AST/Wyeth Basic Science Fellowship Grant of Samiksha Bansal, MD - Cleveland Clinic

2009-2011 Research Mentor for Crile Fellowship of Ronald Charles, MD - Cleveland Clinic

2012-2014 PhD Committee for Samantha Bhutt MD, PhD – Case Western Reserve University, Immunology

2013-2015 Research Mentor for Crile Fellowship and ASTS Scientist Scholarship of Daniel Joyce, MD - Cleveland Clinic

2014 External Examiner for PhD thesis of Pradeep Bhatu Patil, PhD – University of Gottenburg

2014-2016 Research Mentor for the Howard Hughes Medical Institute Medical Fellows Program of Daniel Firl, Medical Student - Cleveland Clinic, Harvard

*MD:*

(a) Didactic

University of Pittsburgh

1992-2002 Teacher, Human Body Course group demonstration session – 4th Year Medical Students

1997-2003 Instructor, Digestion and Nutrition Course, Case Workshop “Complications of Cirrhosis - Second Year Medical Students

1998-2003 Introduction to Being a Physician Course

1997-2004 Surgical Integrated Life Sciences Course

1998-2003 First Year Medical School Immunology Course

Case Western Reserve University/Cleveland Clinic Lerner College of Medicine

2005-2010 Third Year Surgery Clerkship – Lectures on Portal Hypertension and Liver Disease

2004-2016 Intern Lecture - Transplant Immunology

Course Director

1991-present Annual Transplant Fellows Conference

1990-present Controversies in Transplantation - University of Colorado

National Defense University

1997-1999 Industrial Studies Program of the Industrial College of the Armed Forces

*Graduate medical education (residency and clinical fellowships):*

1989-2004 Director, Fellowship Program in Transplantation Surgery, University of Pittsburgh

2005-2011 Director, Fellowship Program in Transplantation Surgery, Cleveland Clinic

**CLINICAL**

1987-1988 Director of Histocompatibility Testing, Strong Memorial Hospital, University of Rochester, Rochester, NY

1989-2004 Children’s Hospital of Pittsburgh, Medical Staff Appointment, Active Staff

1990-2004 University of Pittsburgh Medical Center - Medical Staff Appointment, Active Staff

1991-1992 Pharmacy and Therapeutics Committee, Presbyterian University Hospital, Pittsburgh, PA

1991-2004 Chief, Division of Transplantation Surgery, Thomas E. Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA

1993-2004 Veterans Affairs Medical Center, Medical Staff Appointment, Active Staff

1991-1993 Medical Staff Quality Improvement Committee, Presbyterian University Hospital, Pittsburgh, PA

1992-1993 Operating Room Committee, Presbyterian University Hospital Medical Staff, Pittsburgh, PA

1995 Presbyterian University Medical Center Medical Staff Combined Clinical Care Committee, Pittsburgh, PA

2002-2004 Interim Medical Director, ISMETT, University of Pittsburgh Medical Center, Palermo, Sicily

2004-2016 Cleveland Clinic Main Campus- Medical Staff Appointment, Active Staff

2006-2011 Euclid Hospital - Medical Staff Appointment, Active Staff

2009-2011 Huron Hospital - Medical Staff Appointment, Active Staff

2009-2015 Hillcrest Hospital – Medical Staff Appointment, Consultant Staff

2015-2016 Hillcrest Hospital – Medical Staff Appointment, Active Staff

2010-2012 Fairview Hospital – Medical Staff Appointment, Consultant Staff

2004-2012 Director, Transplant Center, Cleveland Clinic, Cleveland, OH

2010-2015 Chairman, Digestive Disease Institute, Cleveland Clinic, Cleveland, OH

2013-2016 Cleveland Clinic Florida - Medical Staff Appointment, Active Staff

2015-2016 Broward General Hospital – Medical Staff Appointment, Consultant Staff

2015-2016 Director, Cleveland Clinic Health System Center for Transplantation, Cleveland Clinic Health System, Cleveland OH

2016-present Director, UChicago Medicine Transplantation Institute, University of Chicago, Chicago, IL

2016-present Chief, Section of Transplantation Suergery, University of Chicago, Chicago, IL

**SERVICE**

**Cleveland Clinic**

2004-2006 Academic Council – Cleveland Clinic Foundation

2004-2016 Transplant Center Council - Cleveland Clinic Foundation

**ACADEMIC INTERNAL REVIEWS:**

July 31, 2009 Cleveland Clinic – Department of Orthopedic Surgery Residency

November 6, 2009 Cleveland Clinic – Department of Plastic Surgery Fellowship

February 22, 2010 Cleveland Clinic – Hand Surgery Fellowship

March 19, 2010 Cleveland Clinic – Department of Colorectal Surgery Fellowship

August 27, 2010 Cleveland Clinic – Department of Vascular Surgery Residency

January 11, 2011 Cleveland Clinic – Department of Cardiothoracic Surgery - Fellowship

**UPMC**

2003-2004 UPMC Diversity Committee

**OTHER**

1989-2004 Director of Transplantation Research, Thomas E. Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA

**Extramural (not indicated above)**

*Leadership roles:*

President – Pittsburgh Celebrity Hockey Team - completed

*Other:*

Consultant to Office of the Coroner, Allegheny County - completed

Board of Advisors, Amen Corner, Pittsburgh, PA - completed

Center for Organ Recovery and Education Board of Directors - completed

President, Pittsburgh Celebrity Hockey Team - completed

Family House Board of Directors – completed

UNOS Region 2 – Liver Committee – completed

UNOS Region 2 – Membership and Professional Standards Committee – completed

UNOS Region 2 – Councillor - completed

LifeBanc Board of Directors - completed

Americans for Medical Progress Board of Directors - ongoing

Ohio State Organ Transplant Consortium – completed

UNOS Region 10 – Liver and Intestine Committee – completed

UNOS Region 10 – Vascularized Composite Allograft Committee – completed

Gift of Hope Medical Advisory Board - ongoing

**ACADEMIC EXTERNAL REVIEWS:**

March 10, 2004 University of Hong Kong – Hong Kong Health Authority

November 14, 2004 University of Rochester – Liver Transplant Program

September 30, 2005 University of Miami – Multiorgan Transplant Program

June 20, 2007 University of Western Ontario – Multiorgan Transplant Program

September 26, 2007 University of Toronto – Multiorgan Transplant Program

October 26, 2007 University of Rochester – Liver Transplant Program

March 24, 2008 University of Texas, Houston – Liver Transplant Program

April 11, 2008 Ohio State University – Transplant Center

April 10, 2009 West Penn Allegheny Health System – Liver Transplant Program

April 1-2, 2010 University of Arizona – Department of Surgery

March 6, 2012 Albert Einstein Medical Center – Transplant Program

January 27-28, 2013 Global Hospital, Chennai India – Liver Transplant Program

**SCHOLARLY ACTIVITY STATEMENT**

For the past 30 years, I have been involved in many aspects of organ transplantation – clinical delivery, donor management, analysis of outcomes, clinical trials, basic science immunobiology, transplant policy, and transplant ethics. I was fortunate to become involved in transplantation at a time where the need was great, the opportunities were plentiful and where advances had major impact in patient care and understanding of transplant biology.

My basic transplant immunology research is an extension of my PhD work in immunity - my laboratory has been involved in the study of hepatic immunology, including the regulatory pathways that are associated with liver allograft rejection and tolerance. My interest in transplant immunobiology has been applied at two levels: 1) work in clinical immunosuppressive drug development trials beginning with the clinical introduction of OKT3 in cyclosporine-based regimens and has continued with the clinical application of tacrolimus and then of thymoglobulin lymphoid depletion and everolimus conversion protocols to maintain long-term renal protection; and 2) serving as the Laboratory Director for the Histocompatibility Laboratory at the University of Rochester and more recently, serving as the Medical Director for Allogen Laboratories, one of the largest histocompatibility labs in the United States.

My conributions to the surgical field of transplant surgery have included the development of portocaval hemitransposition as a means to transplant patients with portomesenteric venous thrombosis; developed improvements in organ preservation including machine preservation; understanding the pathophysiology of the small-for-size graft in living donor liver transplantation; and then optimizing the use of non-heart beating donors with the use of thrombolytic agents. In addition, I have played a major role in expanding the indications for patients thought to have conditions that were contraindications for liver transplantation, such as HBV+ recipients for which HBIG immunoprophylaxis protocols were designed, as well as organ transplantation for HIV positive patients for which the safety and efficacy of transplantation, immunosuppression (including drug-drug interactions), management of infectious complications were proven.

At a public policy level, I worked alone in a decades-long battle, to gain acceptance of more fair UNOS policies of organ allocation, which eventually resulted in the 1997 DHHS Final Rule. I have also worked with the Ministry of Health in the People’s Republic of China, to advance the practice of liver transplantation, as well as to provide a moral compass to the utilization of decesased and living donors in that country. As a long-standing member of the Executive Committee of the Transplanation Society (TTS), the international transplant organization, I have also been involved in advancing the agenda of the World Health Organization (for which TTS is the NGO representative to the WHO), in promoting ethical transplant practices around the world - I have a great appreciation for the global issues in transplantation, having served as the Interim Medical Director for the Istituto Mediterrraneo dei Trapianti e delle Terapie ad Alta Specializzazione, a joint project between the Government of Sicily and the University of Pittsburgh, as well as having performed transplants in many countries.

Finally, with almost 1,000 published manuscripts and 100 chapters, I have a keen appreciation for the need to advance knowledge, from serving on the Graduate Medical Education Committee at the Cleveland Clinic, serving as the American Society of Transplant Surgeons Transplant Fellowship Program Director in the past and serving as an editoral board member of multiple high impact journals, including being the Editor-In-Chief of ***Liver Transplantation***, with the highest impact factor of any organ-specific transplant journal.

In summary, I believe that the depth of my experiences, my dedication to the field of transplantation and the innovations that I have contributed to, has demonstrated a sustained level of contribution over a long period of time, which has significantly influenced the science and practice of transplantation.

*(c) EXEMPLARY PEER-REVIEWED PUBLICATIONS*

**#1**

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| --- |
| Jain AB, Marcos A, Pokharna R, Shapiro R, Fontes PA, Marsh W, Mohanka R, Fung JJ. **Rituximab (chimeric anti-CD20 antibody) for posttransplant lymphoproliferative disorder after solid organ transplantation in adults: long-term experience from a single center.** Transplantation. 80(12):1692-8, 2005 |
| Major finding: This was a sentinel paper describing the use of an anti-B cell antibody, Rituximab for front line treatment of PTLD. |
| Roles of authors: Jain was the primary author who collected the data. Fung was the senior author who conceived of the treatment algorithm and wrote the paper |

**#2**

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| Neff GW, Bonham A, Tzakis AG, Ragni M, Jayaweera D, Schiff ER, Shakil O, Fung JJ**: Orthotopic liver transplantation in patients with human immunodeficiency virus and end-stage liver disease.** Liver Transpl 9(3):239-247, 2003. |
| Major finding: Patients with HIV and end-stage liver disease could safely undergo liver transplantation in spite of the complexities of drug-drug interactions without worsening of HIV |
| Roles of authors: Neff was the coordinating author, Fung was the conceptual designer of the application of liver transplantation for HIV positive patients in liver failure. |

**#3**

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| Kelly D, Zhu X, Shiba H, Irefin S, Trenti L, Cocieru A, Quintini C,. Diago-Uso T, Nakagawa S, Fung J: **Adenosine restores the hepatic artery buffer response and improves survival in a porcine model of the small-for-size syndrome.** Liver Transpl, 15:1448-57, 2009 |
| Major finding: The pathophysiology of small-for-size syndrome (SFSS) was described using a porcine model. The hepatic artery buffer response and depletion of adenosine is responsible for reduction of hepatic artery flow in hyper-perfused portal hypertension |
| Roles of authors: Kelly was the experimental surgeon, Fung was the designer of the study and conceptualized the concept of a mediator responsible for hepatic artery flow. |

**#4**

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| Siemionow M, Papay F, Djohan R, Bernard S, Gordon CR, Alam D, Hendrickson M, Lohman R, Eghtesad B, Fung J: **First US near-total human face transplantation – a paradigm shift for massive complex injuries.** Plast Reconstr Surg, 125(1):111-22, 2010. |
| Major finding: The first complex facial transplant in humans was described in this paper. |
| Roles of authors: Sieminonow was the conceptualizer of the study, Fung was the logistical and coordinating transplant physician involved in this protocol. |

**#5**

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| Charles R, Lu L, Qian S, Fung JJ: **Stromal cell-based immunotherapy in transplantation.**  Immunotherapy, 3(12):147-85, 2011 |
| Major finding: This paper summarizes the 10 year efforts at understanding the immunologic basis for liver allograft tolerance. |
| Roles of authors: Charles was the trainee author, Fung was lab director and senior author. |