**Paul Charles Grimm MD,** Last Update: August, 2022

**1. PERSONAL:**

Sex: Male, Married

Birth: June 6, 1958, Canada

Citizenship: United States and Canadian

**2. EDUCATION AND TRAINING:**

July 1988-91 Canadian MRC Fellowship in Transplantation Immunology, UCLA Medical Centre. Dr. R. Ettenger, Supervisor

July 1986-88 Board of Governor's Fellowship in Pediatric Nephrology, Izaak Walton Killam Hospital for Children, Halifax, Nova Scotia. Dr. J. F. S. Crocker, Supervisor

July 1985-86 Resident in Pediatrics, Yr. III, Winnipeg Children's Hospital, Winnipeg, Manitoba. Dr. R. Walker, Director

July 1983-85 Resident in Pediatrics, Yr I&II, Izaak Walton Killam Hospital for Children. Dr. A. Goldbloom, Director

1981-82 Rotating Internship, St. Paul's Hospital, Saskatoon, Saskatchewan, Dr. Dennis Kendal, Director

May 1981 University of Saskatchewan, College of Medicine. Awarded M.D. with Distinction

1975-76 University of Regina, Premedical Studies

1975 Campbell Collegiate Ins. High School, Regina, Saskatchewan

**3. EXAMINATIONS:**

2007-ongoing Pediatric Nephrology Sub Board (American Board of Pediatrics No. 000548, originally certified 1999)

1989-04 American Board of Pediatrics (No. 040162)

1987 Royal College of Physicians of Canada, Certified in Pediatrics

1982 FLEX #580606002, Wt. Avg 87%

1982 Medical Council of Canada (LMCC) #52803

**4a. POSITIONS HELD - ACADEMIC:**

2012-present Medical Director, Stanford/LPCH Pediatric Renal Transplant Program

2011-present Director, Stanford/LPCH Cystinosis Clinic

2007- present Director, Stanford LPCH Pediatric Nephrology Fellowship Program

May 1 2007-present Professor of Pediatrics Stanford University School of Medicine (University Medical Line)

Jan-April 30 ,2007 Professor of Pediatrics Stanford University School of Medicine (acting)

2004 - 2007 Director UCSD Pediatric Nephrology Fellowship Program

July 2005- Jan 07 Professor of Clinical Pediatrics & Physician, Department of Pediatrics, University of California at San Diego

Feb 2004- Mar 05 Acting Head, Division of Pediatric Nephrology, Department of Pediatrics, University of California at San Diego

Feb 1999- June 05 Associate Clinical Professor & Associate Physician, Department of Pediatrics, University of California at San Diego

July 1996- 2001 Associate Professor, Department of Immunology, University of Manitoba (nonsalaried)

July. 1996- Feb 99 Associate Professor, Department of Pediatrics and Child Health, University of Manitoba

Aug 1991-June 96 Assistant Professor, Department of Pediatrics and Child Health, University of Manitoba

July 1988-June 91 Research Fellow, Department of Pediatrics, Division of Pediatric Nephrology, UCLA School of Medicine (non-faculty)

**4b. POSITIONS HELD - HOSPITAL APPOINTMENTS:**

2020- present Supervising Physician to Kidney Transplant Advanced Practice Provider Group; L Maestretti PA, A McGrath NP, K DiNello PNP.

2011- present Consulting Staff, Medical Staff, Children’s Hospital of Central California

2007- present Medical Staff, Lucille Packard Children’s Hospital and Stanford Hospital and Clinics

2011- 2013 Medical Staff, California Pacific Medical Center

2004- 2007 Medical Director and Primary Physician, Pediatric Renal Transplant Program UCSD & Children’s Hospital of San Diego

2000- 2004 Active Staff Balboa Naval Medical Center, San Diego (10/00)

2000- 2007 Courtesy Staff Kaiser Permanente Southern California (9/15/00)

1999- 2007 Attending Staff, UCSD Medical Center

1999- 2007 Senior Staff, San Diego Children's Hospital and Health Center (Assoc 5/27/99-10/04)

1991- Jan 99 Active Staff, Health Sciences Centre, Winnipeg, Manitoba

1995- Jan 99 Consultant Staff, St. Boniface Hospital, Winnipeg, Manitoba

1989- June 91 Junior Attending Physician, Department of Pediatrics, Division of Pediatric Nephrology, UCLA School of Medicine

1987 - 1988 Attending Paediatrician, Izaak Walton Killam Hospital for Children, Emergency Room

Sept. 1982-June 83 Member of Department of General Practice, St. Paul's Hospital, Saskatoon, Saskatchewan

July-Sept. 1982 Locum Tenans, General Practice, Riverside Memorial Union Hospital, Turtleford, Saskatchewan

**4c. POSITIONS HELD - OTHER APPOINTMENTS:**

1997- 2005 Consultant (Special Government Employee), Biological Response Modifiers Advisory Committee, Center for Biologics Evaluation and Research (CBER), Food and Drug Administration, Department of Health and Human Services USA (Re-appointed Oct. 5, 2001).

2000 Consultant to Novartis Pharmaceuticals regarding Renal Transplant Immunosuppression

**5. AWARDS AND HONORS:**

1988 Kidney Foundation of Canada March Drive **Certificate of Appreciation**

1988 Air Canada **Heart of Gold Award**

1992 **Young Investigator Award**, American Society of Transplant Physicians

1992 **Young Investigator Award**, International Pediatric Nephrology Association

1993 **Most Outstanding Teacher Award** from Pediatric Residents

1993 Nominated **Most Outstanding Teacher**, Med. II Class

1995-6 **Nathan Block Research Award**, Kidney Foundation of Canada, Manitoba Branch

1998-9 Nominated by Manitoba Med. Students Assn. For U of M. **Faculty Teaching Award**

1998 **Most Outstanding Teacher** Award from Pediatric Residents, University of Manitoba

1998 Listed in "**The Best Doctors in Canada**"

1998 University of Manitoba, Faculty **Travel Award**

2001 Voted **Outstanding Faculty Teacher of the Year** by UCSD Pediatric Housestaff

2001 **Visiting Professor**. 2nd Medical School, Charles University, Prague. First Department of Pediatrics. Mar 20-21, 2001.

2002-3 Listed in “**San Diego’s Best Doctors**” San Diego Magazine Sept 2002, p73, & Sept 2003

2003 Voted **Attending of the Year** by UCSD Pediatric Housestaff

2006 Voted **Outstanding Faculty Teacher of the Year** by UCSD Pediatric Housestaff

2016 **Robert J. Gorlin Lectureship, University of Minnesota**, Aug 23-4, 2016

2017 **8th Cornfield Lectureship, Children's Hospital of Philadelphia.** October 4, 2017

2020 Stanford Dept. of Pediatrics **Mid-Senior Career Clinical Excellence Award**

2002-20 Listed in “**The Best Doctors in America**” (“Best Doctors”)

**6. MEMBERSHIPS:**

American Society of Nephrology

American Society of Pediatric Nephrology

American Society of Transplantation

Association of Pediatric Program Directors

International Pediatric Transplantation Association

National Kidney Foundation

**7. TEACHING ACTIVITIES:**

**Supervisor**

|  |  |  |  |
| --- | --- | --- | --- |
| Kim Piburn DO | 2019-2022 | Are highly variable tacrolimus drug levels associated with inferior outcomes in pediatric kidney transplant patients?  | University of Texas Health Science Center at San Antonio, Assistant Professor |
| Vaka Sigurjonsdottir MD | 2016-2019 | Are De Novo Complement-Activating Donor Specific Antibodies Highly Responsive to Therapy? | I served on her PhD committee at U of Iceland, Currently Asst. Prof. University of Miami |
| Cecile Fajardo DO | 2015-2018  | Immunophenotypic characterization and TCR sequencing of Bk specific T lymphocytes | Asst. Prof. USC. Pediatric Nephrologist CHLA |
| Andrew South MD | 2012-2015  | Subclinical Injury in Pediatric Renal Transplant Patients: ACE2 and Ang-(1-7) as Novel Biomarkers | Associate Professor, Departments of Nephrology, Surgery and Epidemiology, Wake Forest School of Medicine |
| Orly Haskin MD | 2011-2014 | Perioperative aminophylline to improve high risk renal graft outcome- A Randomized controlled trial | Senior Physician and Pediatric Nephrologist. The Institute of Nephrology, Schneider Children’s Hospital, Petach Tikva, Israel  |
| Rouba Garro | 2007- 2010 | Development of Computerized Image Analysis to Enhance the Reliability and Reproducibility of Renal Allograft Rejection Quantitation | Asst. Professor, Emory University |
| Elizabeth Talley | 2007- 2010 | Study of Post Transplant Fibrosis in Protocol Renal Allograft biopsies. Comparison of African American and Caucasian recipients” | Asst. Professor, Stanford University |
| Elizabeth Ferrara | 2000-2003 | Phosphate depletion of human breast milk | Pediatric Nephrologist.  |
| Patrick Brophy, M.D | 1995-1998 | Projects won the Children's Hospital Research Foundation Competition, Eighth & Ninth Annual Pediatric Residents' & Fellows Research Symposium, and the Canadian Society for Clinical Investigation/Medical Research Council (CSCI-MRC) Residents Research Award | Chair of Pediatrics, University of Rochester |
| Elinor Simons |  | Bachelor of Science in Medicine. Project won the Merck Sharp & Dohme Scholarship/National Student Research Forum and trip to International Medical Student Research Competition in Galveston, Texas, 1998 | Professor of Pediatrics, Albany Medical Center in New York |
| Patricia E. Birk, M.D | 1992-93 | Project won the Children's Hospital Research Foundation Competition, Fifth Annual Pediatric Residents' & Fellows Research Symposium and Prowse Award for Clinical Research (1993). | Professor of Pediatrics, University of Manitoba, Canada |
| Michael Routlege | 1995- 1997 | Bachelor of Science in Medicine project won "Leonard Kruger Centennial Special Merit Award | Medical Officer of Health, Province of Manitoba, Canada |

Faculty Reviewer Stanford Grant Writing Academy, 2014.

Thesis Examiner External PhD. Thesis Examiner to Michel Joseph Hiatt. Remodeling of the Collecting Duct with Urinary Tract Obstruction. Sept 2011, Dept. of Pediatrics, University of British Columbia. Vancouver, British Columbia, Canada

Masters Thesis Reader and Advisor to Elizabeth Bayes-Santos, Masters in Epidemiology 2009-2010. Currently Pediatric Resident, Miami Children’s Hospital

Masters Thesis Examiner to: Yan Li, Department of Immunology, Faculty of Medicine, University of Manitoba, 1995.

PhD/Masters Thesis Committee, Member and Advisor to: Jon Meltzer, Dept. of Anatomy, Faculty of Medicine, University of Manitoba, 1994-1999.CurrentlyJon Meltzer, Ph.D., MBA, Manager Strategic Planning and Corporate Development, LabCorp. Burlington, NC

Faculty Advisor to: Dr. Irene Fu (now Chang) MD. Pediatric Resident UCSD. 1999-2002. Now community Paediatrician.

**7b. UNDERGRADUATE TEACHING ACTIVITIES:**

Spring 2003 BISP 1999 Independent Study Sonya Gera

**8a. COMMITTEES AND SERVICE - LOCAL:**

2022-present Member- Transplant Professional Practice Evaluation Committee

2022-present Search Committee Member-Chief of Transplant Surgery Recruitment

2021-present Search Committee Member-Adult Transplant Nephrologist Recruitment

2020-2021 Search Committee Member-Academic Transplant Surgeon Recruitment

2020-2021 Search Committee Chair-Pediatric Nephrologist Recruitment

2019-2021 Faculty Practice Organization MD to MD Consult Task Force

2018-present Stanford University Mitochondrial Medicine Center Renal Collaborator

2016-2020 Member, Search Committee for Stanford Medical Director of Pediatric Liver and Intestinal Transplantation

2014-present Chair Maternal Child Health Research Institute Research Grant Review Panel

2014-present The Learning Environment and Mistreatment Coach, Dept. of Pediatrics

2013-2016 LPCH Pediatric Solid Organ Transplant Symposium Planning Committee

2012-present Dept. of Pediatrics Resident Humanism Leader

2011-present Mentor, Dept. of Pediatrics Pediatric Faculty Mentoring Program

2010-2020 Vice-Chair Combined Solid Organ Transplant Quality of Care Committee

2008-2018 Dept. of Pediatrics Advisory Committee on Education

2008-present Member T32 Nephrology Fellowship Training Executive Committee

2007- present Program Director, Stanford LPCH Pediatric Nephrology Fellowship

2016-2018 Member, Search Committee for Pediatric Gastroenterology Division Chief

2016-2018 Member, Search Committee for Stanford CE Pediatric Urologist

2014-2015 Renal Pathology Consultation A3 Project

2012-2013 Member, Search Committee for Stanford MCL Pediatric Gastroenterologist

2013-2014 Member, Search Committee for Stanford MCL Pediatric Nephrologist

2012-2013 Chair, Search Committee for Stanford MCL Transplant Surgeon

2004 - 2007 Director UCSD Pediatric Nephrology Fellowship Program

2004 - 2007 Chair UCSD Pediatric Nephrology Clerkship

2002 - 2007 Member Children's Clinical Research Advisory Council

2001 - 2007 Member Children's Hospital Quality Improvement Committee

2001 - 2007 Member Children's Hospital Abdominal Transplant ad hoc Committee

2001 - 2007 Member Children's Hospital Academic Affairs/Research Committee

1999 - 2007 Member UCSD Pediatric Nephrology Division Fellowship Training Program Committee

1999 - 2007 Member UCSD Medical Center Transplant Committee

2004 - 2005 Chair, Medical Advisory Committee, LifeSharing (Regional Organ Procurement Organization).

2004 - 2005 Member Search Committee Professor of Medicine and Head of Transplant Research

2002 - 2005 Member UCSD/CHSD Cardiology Division Chair Search Committee

2001 - 2004 Member UCSD Personnel Review and Appraisal Committee

1998 - 1999 Member Department of Immunology Recruitment Search Committee

1997 - 1999 Member Faculty of Medicine Recruitment Priorities Committee

1997 - 1999 Member for Dept. of Immunology at the Faculty Executive Council.

1996 - 1999 Member, Children's Hospital of Winnipeg Foundation, Medical Advisory Committee

1994 - 1999 Member, Department of Pediatrics Promotions Committee

1994 - 1999 Chairman, Department of Pediatrics Research Rounds.

1997 - 1998 Alternate Member, Search Committee for Department of Pediatrics Head.

1993 - 1994 Co-Chairman, Department of Pediatrics Research Rounds

1993 - 1998 Foundations for Health Fund Raising Tour Guide

1993 - 1998 Member, Research Space Planning Committee, Children's Hospital Research Foundation

1992 - 1998 Canvasser, The Kidney Foundation of Canada, Manitoba Branch

1992 Planning Committee of "Organ Donation and Transplantation Awareness Campaign" for Manitoba Medical Association

1992 Winnipeg Children's Hospital, Conscious Sedation Subcommittee of P&T Committee

1985 - 86 Winnipeg Children's Hospital, P&T Committee and Medication Errors Subcommittee

1983 Planning committee, CME of Saskatchewan, Intensive Care Course for Physicians

1981 - 82 Representative from St. Paul's Hospital to the Professional Association of Interns and Residents of Saskatchewan (PAIRS)

**8b. COMMITTEES AND SERVICE - NATIONAL:**

2015-2024 Member, ACGME Appeals Panel for Pediatric Nephrology

2013-present Member, Entrustable Professional Activities (EPA) Working Group of American Pediatric Nephrology Program Directors

2007-present Member, Pediatric Nephrology Program Directors Committee of the American Society of Pediatric Nephrology

2016-2018 American Board of Pediatrics- Subboard of Pediatric Nephrology Self-Assessment Team,

2015-2016 Chair, Credentials Committee, American Board of Pediatrics Subboard of Pediatric Nephrology

2012-2015 Member, Credentials Committee, American Board of Pediatrics Subboard of Pediatric Nephrology

2011-2017 Appointed Member, American Board of Pediatrics Subboard of Pediatric Nephrology

2009-2011 Board Member Elect, American Board of Pediatrics Subboard of Pediatric Nephrology

2010-2011 Member, ABCAN Pathology External Advisory Subcommittee, NIDDK, NIH

1997 - 1998 Examiner (Pediatric Nephrology), Royal College of Physicians and Surgeons of Canada

1996 – 1999 Member, Editorial Board, Saskatchewan Transplant Newsletter

1994 - 1998 Member, National Scientific Council, Kidney Foundation of Canada

1993 - 1996 Medical Advisor to the National Patient Services Committee of the Kidney Foundation of Canada

**8c. COMMITTEES AND SERVICE - INTERNATIONAL:**

2021 External Reviewer for "5 Year Review of Pediatric Kidney Transplant Program". Khoo Teck Puat - for Yap Hui Kim MBBS, Head, Division of Pediatric Nephrology, Dialysis and Renal Transplantation. National University Children's Medical Institute, National University Hospital, Singapore, May 6, 2021

2020-2022 International Pediatric Transplant Association Council Nominations Committee

2017-2019 Chair Kidney Committee, Scientific Advisory Board, International Pediatric Transplant Association 2019 Conference, Vancouver, Canada

2015-2018 Associate Editor for Pediatric Nephrology and Transplantation. American Journal of Transplantation

2015-current Member, Cystinosis Research Foundation Scientific Review Board

2015-2017 Council Member, International Pediatric Transplant Association

2013-2015 Chair, Local Organizing Committee, International Pediatric Transplantation Association, 8th Congress on Transplantation, San Francisco, CA, USA, July 2015

2009-2012 Member, Pediatric Renal Transplant Fellowship Training Accreditation Program Committee of the American Society of Transplantation

2007-current Member, American Society of Transplantation Pediatric Community of Practice

2002-2008 Member, Affiliated Laboratories Committee, North American Pediatric Renal Transplant Cooperative Study (NAPRTCS)

1996-current Associate Editor, Section of Immunobiology, for *Pediatric Transplantation*

1996-1998 Member, International Scientific Advisory Committee for the International Pediatric Nephrology Meeting for the year 2001.

1997-1998 Member, Organising Committee for the 3rd International Pediatric Transplantation Meeting, Boston, Mass. July 1998

1993 - 1996 Member, Pediatric Transplantation Committee of the American Society of Transplant Physicians

**9a. GRANTS AND AWARDS - CURRENT/ACTIVE FUNDING:**

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| --- | --- | --- | --- |
| Title | Granting Agency | Period | Role |
| Phase 1b/2a trial of allogeneic hematopoietic stem cell transplantation (HSCT) from an HLA-partially matched related or unrelated donor after TCRab+ T-cell/CD19+ B-cell depletion for patients who will receive a kidney transplant (KT) from the same HSCT/KT donor. $99,984 | Stanford Innovative Medicines Accelerator | 6/2022-2/2023 | CoPI |
| VIRTUUS Children's Study: Validating Injury to the Renal Transplant Using Urinary Signatures in Children (1R01HD091185 – 01) | NIH-NIAID | 03/01/17 – 02/28/23 | CoPI |

**9b. GRANTS AND AWARDS - PAST FUNDING:**

|  |  |  |  |
| --- | --- | --- | --- |
| Title | Granting Agency | Period | Role |
| ALXN1210-aHUS-312A PHASE 3, OPEN-LABEL, MULTICENTER STUDY OF ALXN1210 IN CHILDREN AND ADOLESCENTS WITH ATYPICAL HEMOLYTIC-UREMIC SYNDROME (aHUS) | Alexion Pharmaceutical, Inc | 1/1/2018-6/1/2021 | PI |
| Metagenomic shotgun microbial sequencing in post-transplant lymphoproliferative disorders (PTLD-MSMS) (1R01AI142135-01A1) | NIDDK | 6/2019-5/2022 | Sub I |
| Musculoskeletal Disease in Children and Adults with Cystinosis | Cystinosis Research Foundation | 03/01/15 – 02/28/17 | CoPI |
| Non-invasive MR Imaging Diagnosis of Transplant Rejection. **Transdisciplinary Initiatives Program (TIP) Grant** | Child Health Research Fund, Stanford University | 11/1/2012-10/31/2016 | Co-PI |
| Perioperative aminophylline to improve high risk renal graft outcome- A Randomized controlled trial | LPCH/Stanford Innovations in Patient Care | 11/2012-11/2014 | PI |
| The Role of Nox2 in CNI-induced Renal Fibrosis. 1 R01 DK092454-01 | NIH (NIDDK) | 9/20/2011-8/31/2016 | SubI |
| Development of Renal Graft Biopsy Rejection Diagnosis Using Computerized Image Analysis | Stanford/ LPCH Transplant & Tissue Engineering Center of Excellence | 9/1/2011-04/30/2013 | PI |
| Correlation Between Vasculopathy and Interstitial Fibrosis in Chronic Cardiac Allograft Rejection | Stanford/ LPCH Transplant & Tissue Engineering Center of Excellence | 7/01/2010-6/30/2012 | Supervising PI |
| Relative contribution of microvascular injury and interstitial fibrosis in human chronic renal transplant rejection | LPCH Child Health Research Program | 8/2009-8/2010 | PI |
| Image analysis studies of allograft rejection. Grimm Lab Startup. | Stanford/LPCH Transplant & Tissue Engineering Center of Excellence | 1/2007-12/2010 | PI |
| T32 Diversity Supplement to Elizabeth Talley. Project title “Study of Post Transplant Fibrosis in Protocol Renal Allograft biopsies. Comparison of African American and Caucasian Recipients” | NIH | 7/2008-6/2010 | Super-vising PI |
| MR. Imaging of Non-Alcoholic Fatty Liver Disease (Sirlin UCSD PI) | NIH | 9/2006-8/2011 | Co-Invest. |
| Computerized Image Analysis of Fibrosis and Steatosis in NASH Liver Biopsies as a Potential Surrogate Marker of Disease Progression and Response to Therapy | NIH | 9/2004-8/2006 | Co-PI |
| Image Analysis Core of Fujisawa Phase II, Randomized, Open-Label, Parallel group, Multi-Center study to assess the safety and efficacy of Prograf /FK778 and Prograf/MMF in de novo kidney transplant recipients | Fujisawa Health Care | 2004-2006 | PI |
| Origin of Mesenchymal Cells Involved in Rodent Interstitial Fibrosis | UCSD Academic Senate | 2001-2003 | PI |
| Computerized image analysis of Sirius Red stained kidney biopsies | Fujisawa Health Care | 2002-2004 | PI |
| "Modulation of RHAMM mediated signalling in Allograft Rejection 1 R21 DK53610-01." With R Savani, and P Nickerson. | NIDDK | 1998-2000 | Co-PI |
| "Chronic allograft rejection: the role of PDGF and IgF growth factors." NIAID RO1-AI43655-02 With Nickerson P (PI), Rush D, **Grimm P**, Goodman B | NIAID | 1998-2001 | Co-PI |
| Does Asymptomatic Transplant Rejection cause Chronic Rejection?" | Baxter Extramural Grant Competition | 1996 - 1999 | PI |
| "Mechanisms of tolerance induction to islet allografts."With Nickerson P | MRC/Children's Hospital Foundation | 1998-1999 | Co-PI |
| Clinical Professor (salary support) | Manitoba Medical Services Foundation | 1996-1999 |  |
| The use of RHAMM-Ig Fusion Protein to Limit Chronic Allograft Rejection | Children's Hospital Research Foundation | 1997-1999 | PI |
| Immunoregulatory Gene Expression Associated with *in vivo* and *in vitro* Models of Transplant Tolerance." | Children's Hospital Research Foundation | 1995-1997 | PI |
| Cytokine Expression in Allograft Rejection | Kidney Foundation of Canada | 1995-1997 | PI |
| Transitional Professor (salary support) | Children's Hospital Research Foundation | 1993-1998 |  |
| Grant to provide funds to support ongoing research | Manitoba Medical Service Foundation | 1995-1996 | PI |
| Immunoregulatory Gene Expression Associated with Animal Models of Transplant Tolerance | Children's Hospital Research Foundation | 1995-1996 | PI |
| In Situ Patterns of Cytokine Generation Immunohistochemical Analysis | Kidney Foundation of Canada | 1993-1995 | PI |
| Analysis of mRNA for Cytokines Involved in Allograft Rejection by Polymerase Chain Reaction | Abbott Laboratories / HSC Small Research Grants | 1992 - 93 | PI |
| In Situ Patterns of Cytokine Generation in Human Kidney Transplantation | Paul H. T. Thorlakson Grant | 1992 - 93 | PI |
| Cytokine Generation Patterns in Kidney Transplantation | Baxter Extramural Grant | 1992 - 95 | PI |
| Immunological mechanisms underlying the increased risk of allograft failure in the sensitized organ transplant recipient (Scholarship) | Kidney Foundation of Canada | 1991 - 93 |  |
| Immunological mechanisms underlying the increased risk of allograft failure in the sensitized organ transplant recipient (operating grant) | Kidney Foundation of Canada | 1991 - 92 | PI |
| The Immunologic Nature of the Highly Pre-Sensitised State in Organ Transplantation, Research Fellowship | Medical Research Council of Canada | 1988 - 91 |  |
| Research Fellowship (declined) | National Kidney Foundation of Canada | 1988 - 89 |  |
| Grant to provide funds to support ongoing research | Izaak Walton Killam Hospital for Children Research Fund | 1988 | PI |
| Board of Governor's Fellowship | Izaak Walton Killam Hospital for Children | 1986 - 88 |  |
| Proficiency Awards | University of Regina | 1975-6 |  |

**9c. CLINICAL TRIALS - PAST:**

|  |  |  |  |
| --- | --- | --- | --- |
| Title | Granting Agency | Period | Role |
| ALXN1210-aHUS-311 SINGLE ARM STUDY OF ALXN1210 IN COMPLEMENT INHIBITOR TREATMENT-NAÏVE ADULT AND ADOLESCENT PATIENTS WITH ATYPICAL HEMOLYTIC UREMIC SYNDROME (aHUS) | Alexion Pharmaceutical, Inc | 11/01/2016 - 10/31/2020 | PI |
| A long-Term, Open-Label, Safety and Efficacy Study of Cysteamine Bitartrate Delayed-release Capsules (RP103) in Patients with Nephropathic Cystinosis RP103-04 | Horizon Pharmaceutical, Inc | 11/12/2010 – 11/10/2017 | PI |
| A Long-Term, Open-Label, Safety and Superior Effectiveness Study of Cysteamine bitartrate Delayed-release Capsules (RP103) in Patients with Cystinosis. RP103-07 | Horizon Pharmaceutical, Inc | 02/28/2013 – 11/10/2017 | PI |
| A Phase 2 Multi-Center, Randomized Conversion Study to Evaluate the Pharmacokinetics, Efficacy, and Safety of Belatacept Administered to Pediatric Subjects with a Stable Renal Transplant (IM103144) | Bristol-Myers Squibb Company (277) (BMS) | 5/15/2013 – 5/14/2019 | PI |
| CLINICAL TRIALS IN TRANSPLANTATION IN CHILDREN PROTOCOL CTOTC-02 Immune Development and Alloimmunity in Pediatric Renal Transplant Recipients RFA-AI-07-006/ U01AI077821 | NIH (NIAID) | 3/1/2008-2/28/2014 | PI |
| A pharmacokinetic and pharmacodynamic study to determine the safety and efficacy of cysteamine bitartrate delayed-release capsules (RP-103), compared to cystagon in patients with nephropathic cystinosis | Raptor Pharmaceutical, Inc. | 8/17/2010 – 11/11/2013 | PI |
| A Randomized, Multi-Center Comparative Trial of Tacrolimus with Steroids and Standard Daclizumab Induction Versus a Novel Steroid-Free Tacrolimus Based Immunosuppression Protocol with Extended Daclizumab Induction in Pediatric Renal Transplantation (SNS01) | NIAID, NAPRTCS | 2004-2008 | Center PI |
| Chronic Kidney Disease in Children (CKIDS). | NIDDK, NINDS, NICHD, NHLB | 2004-2007 | Co-PI |
| Focal and Segmental Glomerulosclerosis (FSGS) Clinical Trial | NIDDK, NAPRTCS | 2004-2007 | Co-PI |
| An Open-Label Study of the Single-Dose Pharmacokinetics of Olmesartan Medoxomil in PediatricPatients with Hypertension | Sankyo | 2005-2006 | Center PI |
| National Cooperative Growth Study (NCGS) of Nutropin , Protopin , and Nutropin Depot in Children with Growth Failure Due to Chronic Renal Insufficiency (CRI) or End Stage Renal Disease (ESRD) | Genentech | 2003-2007 | Co-PI |
| The North American Pediatric Renal Transplant Cooperative Study (NAPRTCS) | NIH | 2004-2007 | Center PI |
| A Double-Blind, Randomized Trial of Steroid Withdrawal in Sirolimus- and Cyclosporine-Treated Primary Transplant Recipients. | NIH/CCTPT | 2000-2005 | Center PI |
| Multicenter, Open-Label, Singel-Arm, Safety, Tolerability, Efficacy and Pharmacokinetic Study of RAD001 in Pediatric de Novo Renal Transplant Patients (Novartis CRAD001 B351, Extension E-02) | Novartis | 2004-2006 | Center PI |
| A double-blind, randomized, multi-center study followed by 12 months open-label treatment to evaluate the dose-response and safety of valsartan in pediatric hypertensive patients 1-5 years of age. | Novartis | 2004-2006 | Center PI |
| Study of the Pharmacokinetics of Sirolimus Administered Orally to Pediatric Subjects with Stable Renal Transplants | Wyeth | 2004-2005 | Center PI |
| A Double-Blind, Randomized Trial of Steroid Withdrawal in Sirolimus- and Cyclosporine-Treated Primary Transplant Recipients. | NIH/CCTPT | 2000-2005 | Center PI |
| An Open Label Comparative Study of the Effect of Sirolimus versus Standard Treatment on Clinical Outcomes and Histologic Progression of Allograft Nephropathy in High Risk Pediatric Renal Transplant Patients | NIH/CCTPT | 1999-2005 | Center PI |
| A Multicenter Study to Evaluate the Pharmacokinetics, Dose Response, Efficacy, and Safety of Benazepril in Pediatric Subjects | Novartis | 1999-2001 | Center PI |
| A Multicenter Trial of a liquid preparation of Cellcept in Pediatric renal transplantation | Roche | 1996-1999 | Center PI |

**10. PUBLICATIONS IN PEER REVIEWED JOURNALS - ORIGINAL ARTICLES:**

1. Moffatt M, Law BJ, Embree J, **Grimm PC**: Short Course Antibiotic Therapy for Urinary Tract Infections in Children: A Methodologic Review of the Literature. American Journal of Diseases in Childhood. 1988; 142:57-61.

2. **Grimm PC**, Ogborn MR, Larson AJ, Crocker JFS: Interstitial Nephritis Induced by Cloxacillin. Nephron 1989; 51:285-286.

3. Ogborn MR, Crocker JFS, **Grimm PC**: Nifedipine, Verapamil and Cyclosporin A Pharmacokinetics in Children. Pediatric Nephrology. 1989; 3:314-316.

4. **Grimm PC**, Malatjalian DA, Crocker JFS, Ogborn MR: The Microanatomy of the Intra Hepatic Bile Duct in Polycystic Disease: Comparison of the cpk Mouse and Human. J. Exp. Path. 1990; 71:119-131.

5. **Grimm PC**, Sinai-Trieman L, Sekiya N, Robertson L, Fine RN, Ettenger RB: Effects of Recombinant Human Erythropoietin on HLA Sensitisation and Cell Mediated Immunity. Kidney International 1990; 38:12-18.

6. Ettenger RB, Rosenthal JT, Marik J, Nelson P, Malekzadeh M, **Grimm PC**, Kamil ES, Salusky IB, Fine RN: Cadaver Renal Transplantation in Children: Results with Long-Term Cyclosporine Immunosuppression. Clinical Transplantation 1990; 4:329-336.

7. **Grimm PC**, Ettenger RB: High Cellular Anti-HLS Immune Responsiveness Accompanies the Highly Sensitised (High PRA) State in Dialysis Patients. Transplantation Proceedings 1991; 23:407-408.

8. **Grimm PC**, Sekiya NM, Robertson LS, Robinson BJ, Ettenger RB: Recombinant Human erythropoietin (rHuEPO) Decreases Anti-HLA Sensitisation and May Improve Renal Allograft Outcome: Involvement of Anti-Idiotypic Antibody. Transplantation Proceedings 1991; 23:407-408.

9. Ettenger RB, Rosenthal JT, Marik J, **Grimm PC**, Nelson P, Malekzadeh MH, Fine RN: Long-Term Results with Cyclosporine Immune Suppression in Pediatric Cadaver Renal Transplantation. Transplantation Proceedings 1991; 23:1011-1012.

10. Gritsch A, **Grimm PC**, Ettenger RB, Rosenthal JT: Sensitised B Lymphocytes Contribute to Acute Allograft Rejection. J. Surgical Research, 1991; 51:204-209 .

11. Ettenger RB, Marik J., **Grimm PC**: The Impact of Recombinant Human erythropoietin Therapy on Renal Transplantation. American Journal of Kidney Disease, 1991; XVIII #4, Sup 1:57-61.

12. Yadin O, **Grimm PC**, Ettenger RB: "Renal Transplantation in Children" in Pediatric Annals, 1991; 20:657-667.

13. Ogborn MR, **Grimm PC**: Pediatric Renal Biopsy in the Ambulatory Care Environment. Pediatric Nephrology, 1992; 6:311-312.

14. Ogborn MR, Sareen S, **Grimm PC**: Renal Tubular Na-K ATPase Polarity in Glucocorticoid Induced Polycystic Kidney Disease. J. Histochem. Cytochem; 41:555-558, 1993.

15. Birk PE and **Grimm PC**: Rapid Nonradioactive in Situ Hybridization for Interleukin-2 mRNA with Riboprobes Generated Using the Polymerase Chain Reaction. Journal of Immunological Methods, 1994; 167:83-89.

16. **Grimm PC**, Ogborn MR: Hemolytic Uremic Syndrome: The Most Common Cause of Acute Renal Failure in Childhood. Pediatric Annals, 1994; 23:505-511.

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**11. BOOK CHAPTERS, INVITED PAPERS, AND EDITORIALS:**

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35. High Intra-patient Variability Of Tacrolimus In Pediatric And Adolescent Renal Transplant Recipients Is Associated With Worse Graft Outcomes. Piburn KH, Maestretti L, Shetty R, Patton, MV, McGrath, A, Concepcion, W, Chaudhuri, A, **Grimm PC**, Sigurjonsdottir, VK. Oral Presentation American Transplant Congress (ATC), Philadelphia USA, June 2020
36. Safety And Efficacy Of Low Dose Rabbit Antithymocyte Globulin In Pediatric Renal Transplant Recipients. V. K. Sigurjonsdottir, L. Maestretti, A. McGrath, A. Gallo, W. Concepcion, **P. Grimm**, A. Chaudhuri. Poster Presentation American Transplant Congress (ATC), Philadelphia USA, June 2020
37. Transition from Youth to Adult Care of Kidney Transplant Recipients: Single Center Experience Lakshmi Ganesan, Anne McGrath, Kari Dinello, Audrey Fong, Lynn Maestretti, Mary Victoria Patton, **Paul Grimm**, Abanti Chaudhuri. Poster Presentation American Transplant Congress (ATC), Philadelphia USA, June 2020
38. Daily immunosuppression to combat compliance in adolescent kidney transplant. Aleah L. Brubaker, Anne McGrath, Lynn Maestretti, Abanti Chaudhuri, **Paul C. Grimm**, Amy Gallo. Poster Presentation American Transplant Congress (ATC), Philadelphia USA, June 2020
39. High Intra-patient Variability Of Tacrolimus In Pediatric And Adolescent Renal Transplant Recipients Is Associated With Worse Graft Outcomes. Piburn KH, Maestretti L, Shetty R, Patton, MV, McGrath, A, Concepcion, W, Chaudhuri, A, **Grimm PC**, Sigurjonsdottir, VK. Poster Presentation American Society of Nephrology Kidney Week 2020
40. Practice Patterns in the NAPRTCS Cystinosis Registry, Altemose, Kathleen; Kumar, Reeti; Galbiati, Shirley; Elenberg, Ewa; Okamura, Daryl M.; **Grimm, Paul**; Greenbaum, Larry A.;Smith, Jodi; Warady, Bradley. Pediatric Academic Societies Meeting 2021 Virtual
41. Clinical Features of Cystinosis: A Report of the NAPRTCS Cystinosis Registry, Kumar, Reeti; Altemose, Kathleen; Galbiati, Shirley; Elenberg, Ewa; Okamura, Daryl M.; **Grimm, Paul**; Greenbaum, Larry A.; Warady, Bradley; Smith, Jodi. Pediatric Academic Societies Meeting 2021 Virtual
42. Corneal cystine crystal deposition: Online medical education can significantly improve knowledge, competence and confidence diagnosing and treating ocular manifestations of nephrotic cystinosis. Siggi Trier, Pakinam Aboulsaoud, John Maeglin, Stephanie Cherqui, **Paul C. Grimm**, Rachel J. Bishop. The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. May 1-5, 2021, <https://arvo2021.arvo.org/foundation>
43. Piburn K, **Grimm PC** et al. Baseline trends in tacrolimus intrapatient variability in pediatric kidney transplant patients. American Society of Nephrology Kidney Week 2021
44. Shah L, **Grimm PC**, Leonard M, et al. Cystatin C and Creatinine as Biomarkers of Pediatric Sarcopenia. American Society of Nephrology Kidney Week 2021
45. Bertaina A, **Grimm PC** et al "Functional Immune Tolerance Induced By Sequential Hematopoietic Stem Cell-Solid Organ Transplantation." American Society of Hematology
46. Siggi Trier, Pakinam Aboulsaoud, John Maeglin, Stephanie Cherqui, **Paul** **Grimm**, Rachel Bishop. Corneal cystine crystal deposition: Online medical education can significantly improve knowledge, competence and confidence diagnosing and treating ocular manifestations of nephrotic cystinosis. INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE Volume 62, Issue 8, Meeting Abstract 135 Published JUN 2021
47. **Paul** **Grimm**, David B Lewis, Amira Al-Uzri , Sahar Fathallah-Shaykh, Ami Shah, Rajni Agarwal MD, Kenneth I Weinberg, Amy Gallo, Waldo Concepcion, Alice Bertaina. Sequential hematopoietic stem cell transplantation (HSCT) followed by kidney transplant-3 children who received αβT-cell/CD19 B-cell depleted HSCT followed by kidney transplant from same parental donor are rejection free and immunosuppression free with donor specific tolerance > 1year post kidney transplant. International Pediatric Transplant Association. 11th Congress. Virtual, Mar 26-29, 2022
48. A.McGrath, L.Maestretti, S.Samreth, K.Sheth, **P.Grimm**, A.Chaudhuri, A.Gallo. Early vs. Late Ureteral Stent Removal in Pediatric Kidney Transplant Recipients. International Pediatric Transplant Association. 11th Congress. Virtual, Mar 26-29, 2022
49. L. Maestretti, A. McGrath, A. Fong, A. Brubaker, A. Gallo, **P. Grimm**, A. Chaudhuri. Evaluating the Risk and Benefit of Once Daily Mycophenolate Mofetil in Pediatric Kidney Transplant RecipientsInternational Pediatric Transplant Association. 11th Congress. Virtual, Mar 26-29, 2022
50. Kim Piburn, Lynn Maestretti, Mary V. Patton, Anne McGrath, Olafur S. Indridason, Amy Gallo, Abanti Chaudhuri, Paul C. Grimm, Vaka K. Sigurjonsdottif. High tacrolimus intrapatient variability is associated with inferior graft outcomes in pediatric and young adult kidney transplant. International Pediatric Transplant Association. 11th Congress. Virtual, Mar 26-29, 2022
51. Vaka Sigurjonsdottir, Abanti Chaudhuri, Paul Grimm. Complement-Binding Donor Specific Anti-HLA Antibodies: Biomarker for Immunologic Risk Stratification in Pediatric Kidney Transplantation Recipients. International Pediatric Transplant Association. 11th Congress. Virtual, Mar 26-29, 2022

**13. Educational Materials**

1. Co-Author Pediatric Nephrology Entrustable Professional Activities Assessment Tool, American Society of Pediatric Nephrology Fellowship Program Directors 2017
<https://www.abp.org/subspecialty-epas#Nephrology> (accessed 3/7/2017)

2. **Podcast**. Episode 3a: Cystinosis Research Network Youth to Adult Transition. Cystinosis Rare: Journey Into the Unknown. <https://www.youtube.com/watch?v=zEMdQmxR0UU&ab_channel=CystinosisResearchNetwork>

3. Renal Support Network. April 23, 2021. **For parents: What to Know Before Your Child’s Kidney Transplant.** https://www.rsnhope.org/health-library/for-kids-and-parents-health-library/for-parents-what-to-know-before-your-childs-kidney-transplant/

**14. Collaboration in National Studies:**

1. Mink RB, Carraccio CL, Herman BE, Weiss P, Turner DA, Stafford DE, Hsu DC, High PC, Fussell JJ, Curran ML, Chess PR, Schwartz A for SPIN.  The link between milestone levels and fellow entrustment for the common pediatric subspecialty entrustable professional activities.  Oral and poster presentation at the annual education meeting of the Accreditation Council for Graduate Medical Education, February, 2016, National Harbor, Maryland.
2. Mink RB, Schwartz A, Herman BE, Turner DA, Myers AL, Kesselheim JC, Hsu DC, Curran ML, Carraccio CL for SPIN.  Reliability and validity of a supervision scale for the common pediatric subspecialty entrustable professional activities.  Poster presentation at the annual education meeting of the Accreditation Council for Graduate Medical Education, February, 2016, National Harbor, Maryland.
3. Mink RB, Carraccio CL, Schwartz A, Dammann CE, High PC, McGann KA, Herman BE for SPIN. Creation of a pediatric subspecialty educational research network.  Poster presentation at the annual spring meeting of the Association of Pediatric Program Directors, April, 2016, New Orleans.
4. Mink RB, Schwartz A, Herman BE, Curran ML, Hsu DC, Kesselheim JC, Myers AL, Turner DA, Carraccio CL.  Creation and validation of entrustment scales for the common pediatric subspecialty entrustable professional activities (EPAs). Oral presentation at the annual spring meeting of the Association of Pediatric Program Directors, April, 2016, New Orleans.
5. Mink RB, Carraccio CL, Herman BE, Aye T, Baffa JM, Chess PR, Fussell JJ, Sauer CG, Stafford DE, Weiss P,  Schwartz A for SPIN. Do fellowship program directors (FPD) and clinical competency committees (CCC) agree in fellow entrustment decisions?  Poster presentation at the annual spring meeting of the Association of Pediatric Program Directors, April, 2016, New Orleans.
6. Mink RB, Carraccio CL, Schwartz A, Dammann CE, High P, Kesselheim JC, McGann K, Herman BE. Establishing a medical education research network for the pediatric subspecialties.  Poster presentation at annual spring meeting of the Pediatric Academic Societies, May, 2016, Baltimore, Maryland.
7. Mink RB, Carraccio CL, Herman BE, Dammann C, Mahan J, Pitts S, Sauer CG, Schwartz A.  Variability in fellow entrustment across the pediatric subspecialties for the common pediatric subspecialty entrustable professional activities (EPAs).  Poster presentation at annual spring meeting of the Pediatric Academic Societies, May, 2016, Baltimore, Maryland.
8. Mink RB, Schwartz A, Herman BE, Turner DA, Curran ML, Myers A, Hsu DC, Kesselheim JC, Carraccio CL and the Steering Committee of the Subspecialty Pediatrics Investigator Network (SPIN).  Validity of Level of Supervision Scales for Assessing Pediatric Fellows on the Common Pediatric Subspecialty Entrustable Professional Activities. *Acad Med*. 2017 Jul 11. doi: 10.1097/ACM.0000000000001820.
9. Mink R, Carraccio C, High P, Dammann C, McGann K, Kesselheim J, Herman B. Creating the Subspecialty Pediatrics Investigator Network (SPIN). Journal of Pediatrics. 2018 Volume 192, January . PMID: 29246355

**15a. RESEARCH ACTIVITIES - REVIEWER FOR JOURNALS:**

2015-2018 Associate Editor, for *American Journal of Transplantation*

2008-current Pediatric Nephrology

2005-current Kidney International

2004-current American Journal of Transplantation

2001-current Journal of the American Society of Nephrology

1998-current American Journal of Kidney Disease

1998-current Transplantation

1996-2018 Associate Editor, Section of Immunobiology, for *Pediatric Transplantation*

2005-2013 American Journal of Pathology

2008- 2010 Journal of Epithelial Biology and Pharmacology

2000 Biotechniques

2005 Brazilian Journal of Morphological Sciences

2000-2005 Molecular Medicine

1991 New England Journal of Medicine

2004 Transplant International

**15b. RESEARCH ACTIVITIES - REVIEWER FOR RESEARCH GRANTS:**

2017-present Chair, Grant Review Panel, Stanford Maternal Child Health Research Institute

2002 Welcome Foundation Trust

1992- 2002 British Columbia Health Research Foundation

1996-1998 Winnipeg Children’s Hospital Foundation

1994-1999 The Kidney Foundation of Canada

1997-1998 Physicians Services of Ontario Incorporated

**16a. MEETINGS AND CONFERENCES - INVITED LECTURE:**

October 30, 1999 Western Pediatric Nephrology Conference. "Quantitation of Allograft Fibrosis in Renal Transplantation". Portland, Oregon

April 1999 NIH Conference. Biomarkers and Surrogate Endpoints: Advancing Clinical Research and Applications. "Use of Sirius Red and Image Analysis to Predict Long-Term Renal Allograft Dysfunction" Bethesda, Maryland

June 1998 North American Pediatric Renal Transplant Cooperative Study (NAPRTCS) Annual Meeting. Boston, Mass. Topic: Assessment of Fibrosis in Renal Biopsies.

May, 1995,97- Extramural Grant Program Chicago Ill.

May 15, 1997 North American Pediatric Renal Transplant Cooperative Study (NAPRTCS) Annual Meeting. Topic: Assessment of Fibrosis in Transplant Rejection.

October 30, 1999 Western Pediatric Nephrology Conference. "Quantitation of Allograft Fibrosis in Renal Transplantation". Portland, Oregon

June 3, 2000 Southern California Pediatric Nephrology Assn. "Quantitation of Allograft Fibrosis", Santa Monica, California.

Mar 24, 2001 Arbeitsgemeinschaft fur Padiatrische Nephrologie (APN) Invited Lecture. "The renal transplant protocol biopsy-the past clarified, the present revealed and the future predicted?". March 23, 2001 Vienna, Austria.

Sept. 5, 2001 International Pediatric Nephrology Association 12th International Congress. Seattle Wash. Title: Morphometric Assessment of Chronic Renal Allograft Rejection.

Nov. 5, 2001 Invited Lecture at Combined NIH FDA American Society of Transplantation "Transplant Endpoints Meeting", NIH Campus, Bethesda Maryland. Title: Morphometric Assessment of Chronic Renal Allograft Rejection

Mar 7-9, 2002 2nd Hannover Seminar on Transplantation and Vascular Biology. Hannover Medical School. Germany. "Tubulointerstitial infiltration by recipient mesenchymal cells in chronic renal-allograft rejection".

Nov 2, 2002 American Society of Nephrology Meeting. Clinical Symposium- New Insights into Renal Fibrosis. “Origin and Role of Mesenchymal Cells in Renal Fibrosis” Philadelphia, Penn.

April 5-9, 2003 Invited Lecture “The value of protocol renal allograft biopsies” . 2nd Congress of the International Pediatric Transplant Association. April 5-9, 2003, Rio de Janeiro, Brazil

May 3-4, 2003 Invited Speaker. The origin of mesenchymal cells in fibrosis from glomerular disease. Alberta Nephrology Days. Kananaskis, Alberta Canada.

June 14-18, 2003 Invited Speaker. The origin of parenchymal and endothelial cells in allograft rejection. 7th Banff Conference on Allograft Pathology, Aberdeen Scotland.

Sept. 14-15, 2003 Chronic Allograft Nephropathy Resource Person, “Clinical Studies in Pediatric Organ Transplantation: Defining Priorities and Feasibility” DHHS, NIAID, ASTP. Bethesda, Md.

Sept. 25-28, 2003 Invited Speaker. “Is chronic allograft nephropathy typical of a chronic wound healing/scarring process?” The Rachel McKenna Emerald Lake conference. Transplantation: Science and Medicine. Emerald Lake, British Columbia, Canada

Oct. 17-18, 2003 Invited Speaker. “Is chronic allograft nephropathy typical of a chronic wound healing/scarring process?” The Western Region Pediatric Nephrology Conference. Pasadena, Calif.

Jan 22-3, 2004 Invited Speaker. “Stem cell therapy for chronic Allograft nephropathy: Fact or fiction?” 23rd. Annual Advanced Nephrology: Nephrology for the Consultant. Coronado, San Diego Calif.

July, 2005 Invited Speaker. Computerized Image Analysis of Sirius Red stained Renal Allograft Biopsies. 8th Banff Conference on Allograft Pathology, Edmonton, Canada.

August, 2005 Invited Speaker. “Value of Protocol Renal Allograft Biopsies in Transplantation.” 3rd International Pediatric Transplant Association Meeting, Innsbruk, Austria

November, 2005 Invited Speaker. “Pathological Assessment of Change in Renal Function” American Society of Nephrology, Philadelphia, Penn. USA

November, 2006 Invited Speaker. “New Insights into the Biology of Chronic Allograft Nephropathy- Detecting and Quantifying Injury and Fibrosis in Kidney Grafts” American Society of Nephrology, San Diego, CA. USA

August, 2010 Invited Speaker, “Role of the B Cell in Acute/Chronic Rejection” International Pediatric Nephrology Association. New York, New York, USA

February 5, 2011 Invited Speaker, “Update on the B Cell in Pediatric Transplantation. ”Western Society of Pediatric Nephrology Conference, San Diego, CA

February 25, 2011 Invited Speaker, ““Renal Insufficiency and End Stage Renal Disease” NEO, The Conference for Neonatology, Orlando, Florida

June 25, 2011 Invited Speaker, “Debate: To Biopsy or Not to Biopsy: That is the Question! (Joint session with AST). CON: Be it Resolved that Protocol KIDNEY Biopsies will Improve Outcomes of Children who have Undergone Renal Transplantation. 6th International Pediatric Transplant Association Meeting, Montreal, Canada

April 28, 2012 Invited Speaker, Topic Symposium: Donor Specific Antibodies and Transplantation – Your Questions Answered. Lecture title “Treatment of Antibody Mediated Rejection” Pediatric Academic Societies Meeting, Boston Mass, April 28-May 1, 2012

May, 2012 Plenary Lecture, Quantitation of Inflammation and Fibrosis in Renal Allograft Biopsies as an Outcome Variable in Renal Transplantation. The 8th Congress of the Asian Society for Pediatric Research, “Immunity and Disease in Asian Children”, Seoul, Republic of Korea, May 17-19, 2012

Sept, 2013 Invited Speaker, “The Failing Transplant”. Sixteenth Congress of the International Pediatric Nephrology Association (IPNA2013), Shanghai, China Aug 30-Sept 3, 2013

Sept, 2013 Invited Speaker, “The Use of Biologicals in Pediatric Renal Transplantation”. Sixteenth Congress of the International Pediatric Nephrology Association (IPNA2013), Shanghai, China Aug 30-Sept 3, 2013

April, 2014 Invited Speaker, American Nephrology Nurses Association, “Clinical Management of Nephropathic Cystinosis Across the Spectrum, From Childhood Through Young Adulthood”. Anaheim, CA. April 13, 2014

May, 2014 Invited Speaker, “Immuno-Diagnostics: Understanding the cross-match and antigens”. American Society of Pediatric Nephrology/Pediatric Academic Specialties Meeting. Vancouver, May 2-6, 2014

Sept. 2014 Invited Speaker. “Antibody Mediated Rejection”, and “Management of the Sensitized Kidney Transplant Recipent”. Puerto Rico Nephrology Society, Annual Scientific Meeting. San Juan, PR. Sept. 6, 2014

Jan. 2015 Annual Dialysis Conference, Invited Lecture. “Management of the highly sensitized transplant recipient”. New Orleans, LA, Jan 30-Feb 2, 2015

Nov. 2015 Nordic Meeting on Cystinosis. Invited Lecture. “Treatment of cystinosis, clinical experience with Procysbi”, Oslo, Norway. November 25, 2015

Feb. 2016 Annual Dialysis Conference, Invited Lecture. “Prenatal diagnosis and counseling”. Seattle, WA, Feb 27-Mar 1, 2016

June, 2016 Invited Speaker. “Immunosuppression Tailoring- Costs and Benefits of Individualized Medicine” American Transplant Congress, Boston MA. June 11-15, 2016

Aug, 2016 Invited Speaker. “Specific Issues of Listing Children for Kidney Transplantation”. The 26th International Congress of the Transplantation Society. Hong Kong, Aug 17-23, 2016

Sept, 2016 Invited Speaker. 1)“Strategies for highly sensitized recipients: from desensitization to successful transplantation”, 2)“Cystinosis - A multisystem disease that evolves over the life course”, and 3) “Diagnosis of cystinosis: High index of suspicion & pitfalls, newborn screening”. 17th Congress of the International Pediatric Nephrology Association. Iguacu, Brazil, Sept 20-24, 2016

March, 2017 Invited Discussant Robert H. Levi Leadership Symposium on Navigating the Ethical Tensions in Patients’ Requests for Innovative Therapies. Johns Hopkins Berman institute of Bioethics., Baltimore Maryland, USA., March 22-23, 2017

March, 2018 49th Annual Meeting of the Society of Paediatric Nephrology (GPN) 2018. Invited Lecture. “Donor selection for pediatric kidney transplantation. Hannover, Germany. Mar 1-3, 2018.

June 2019 American Transplant Congress 2019. June 1-5, 2019. Debate - Con: Using Donors after Cardiac Death in Pediatric Liver and Kidney Transplant Recipients. And Rebuttal

June 2021 American Transplant Congress 2021. June 5-9, 2021, Symposia: Vaccinating the Unvaccinated Prior to Transplant: Challenges and Opportunities. “To Transplant or Not to Transplant if Families Do Not Comply”

March 2022 International Pediatric Transplant Association. IPTA-IPNA workshop on Equity, access, and outcomes of pediatric kidney transplant recipients in 2022. “Making the right decision in accepting deceased donor organ offers at 3am” 11th Congress. Virtual, Mar 26-29, 2022

July 2022 Cystinosis Network Europe CNE International Cystinosis Conference Leuven 2022.July 7-10, 2022. Invited Lectures-1) Sequential hematopoietic stem cell transplantation (HSCT) followed by kidney transplant, 2) Medications after kidney transplantation & improved treatment of infections

**16b. MEETINGS AND CONFERENCES - Organization/Faculty:**

May 1996 American Society of Transplant Physicians Meeting. Session Chairman and Program Committee.

1997-8 Member, Organizing Committee for the 3rd International Pediatric Transplantation Meeting, Boston, Mass. July 1998

2001-2 Member, Abstract Review Committee (Acute/Chronic Rejection), Transplant 2002, American Transplant Congress April 26-May 1, 2002, Washington, DC.

2002-3 Member, Abstract Review Committee (Immunobiology) International Pediatric Transplant Association. 2nd Congress of the International Pediatric Transplant Association. April 5-9, 2003, Rio de Janeiro, Brazil

2005 Member, Organizing and Program Committee, 3rd International Pediatric Transplant Association Meeting, Innsbruk, Austria, August, 2005

2002-19 Member, Abstract Review Committee (Various), Session Chairman, American Transplant Congresses.

2013 Co-Chair Pediatric Abstract Review Committee. American Transplant Congress

2006 Member, Abstract Review Committee (Proteomics, Genomics, Genetic Engineering), World Transplant Congress, Boston

2002-2017 Member, Abstract Review Committee (Various), Session Chairman (various), American Society of Nephrology Meetings.

2008-present Co-Chair, Abstract Review Committee, American Transplant Congress,

2015 Chair, Local Organizing Committee, International Pediatric Transplant Association, San Francisco, March, 2015

2016 Faculty, 2016 International Pediatric Transplant Association, Fellows Symposium on Pediatric Transplantation. New York, NY, April 8-9, 2016

2016 Transplant Curriculum Planning (IPTA Liaison) ”. 17th Congress of the International Pediatric Nephrology Association. Iguacu, Brazil, Sept 20-24, 2016

2017 Abstract Reviewer, Session Chair and Poster Reviewer, International Pediatric Transplant Association Congress, Barcelona, Catalonia, Spain. May, 27-30, 2017

2018 Teaching Faculty. Joint 3rd Primer in Paediatric Nephrology for Asia and 3rd IPNA-AsPNA Master for Junior Classes. Singapore August 15-17, 2018

2019 10th Congress of the International Pediatric Transplant Association. May 407, 2019,
-Chair of Kidney Scientific Advisory Committee.
-Session Chair, Novel Immunosuppression in Clinical Practice Workshop

2021 Teaching Faculty. 4th Primer in Paediatric Nephrology for Asia and 4th IPNA-ASPNA Master for Junior Class. Singapore Sept 1-3, 2021

**16c. MEETINGS AND CONFERENCES - other:**

1996-1998 American Society of Transplant Physicians Meeting. Annual Working meeting of Pediatric Committee

Sept 3, 2001 International Pediatric Nephrology Association 12th International Congress. Seattle Wash. Moderator. Transplantation Free Communications

2002 Chairman Basic Science Symposium. Stem Cells in Biology and Transplantation: progress and contention, Transplant 2002, American Transplant Congress April 26-May 1, 2002, Washington, DC

**17a. INVITED LECTURES and PODCASTS- PUBLIC:**

1. The Kidney Foundation of Canada, Halifax Chapter: "Kidney Diseases - Their Causes and Treatment," February 25, 1987.

2. The Kidney Foundation of Canada, New Brunswick Branch, 2nd Annual Patient Symposium: "Children with Renal Failure," April 26, 1987.

3. The Kidney Foundation of Canada, Halifax Chapter: "Therapy of End Stage Renal Disease in Children," November, 1987.

4. Pediatric Renal Symposium, University of Manitoba: "The Kidney" and "Renal Transplantation," October 23, 1993.

5. CBC Radio Afternoon Show: "Children's Hospital Research Foundation," June 7, 1994.

6. CJOB, Stu Fawcett Phone-In Radio Show: "Organ Donation," September 23, 1994.

7. Kidney Foundation of Canada, Saskatchewan Branch, Annual Patient Symposium: "What's New in Research" and "Feelings and Attitudes," October 22, 1994.

8. Pediatric Renal Symposium, University of Manitoba: "Learning About the Kidney with Dr. Paul Grimm" and "It's Just a Part of My Life . . . Long Term Issues for Parents of Children with Chronic Disease", February 18, 1995

9. CBC Radio Afternoon Show, Children's Hospital Research Foundation, May 30, 1995.

10. Trends in Transplantation Update, Health Sciences Centre Transplant Program. "Kidney Transplantation in Pediatrics . . . Making Progress", May, 1996.

11. CJOB Afternoon Phone-In Radio Show: "Children's Hospital Foundation," January, 1998

12. Cystinosis Foundation. San Diego California. Update in Transplantation Aug 6, 1999

13. National Kidney Foundation of Southern California. "What's new in Pediatric Renal Transplantation" June 9, 2002

14. NephCure Foundation Lecture. “Nephrotic Syndrome; an overview”. Pickwick Hotel, San Francisco, CA, November 3, 2007.

15. Cystinosis Research Foundation. “The W’s of Transplantation”. Newport Beach, California, May 19-21, 2011.

16. Cystinosis Research Foundation. “Treatment of Fanconi Syndrome and Chronic Kidney Disease”. Newport Beach, California, April 19-21, 2012.

17 Nephcure Foundation, Overview on Research in Nephrotic Syndrome and Focal Segmental Glomerulosclerosis. San Francisco, Feb. 9, 2013

18 Raptor Pharmaceuticals Staff Training. The History of Cystagon as a treatment for nephropathic Cystinosis. San Francisco

19 Cystinosis Research Foundation. “My child is now a teenager, can I keep him locked up in the basement until he is 23?”. Newport Beach, California, April 18-20, 2013.

20 Cystinosis Research Foundation. “Treatment of Fanconi Syndrome and Chronic Kidney Disease”. Newport Beach, California, April 4-5, 2014.

21 Cystinosis Research Foundation. “Managing Medical Complications of Cystinosis” & “Cystinosis issues Specific to Teens and Young Adults”.. Newport Beach, California, April 16-19, 2015.

22 Medscape CME. “*Lysosomal Storage Disorders: Optimizing the Transition from Pediatric to Adult Care” Moderator and Presenter. May 4, 2015 Philadelphia, PA*

24 Cystinosis Research Network. “Adolescent issues in Cystinosis” & Workshop on “Managing Teens and Transition” Chicago IL July 16-8, 2015

25 9thth International Cystinosis Congress, “Renal Transplantation in Cystinosis- From A-Z” 30 June – 03 July 2016, Valencia, Spain

26 Lysosomal Storage Disease Network, WorldFair 2016. “Update on Nephropathic Cystinosis” and participant in Group discussion. October 1, 2016, Minneapolis, Minnesota,

27 2nd Annual Nemours Family Cystinosis Day. “Advances in the Treatment of Nephropathic Cystinosis”, December 3, 2016, Milton, Delaware.

28 Cystinosis Research Foundation. “Cystinosis and the Fanconi Syndrome” & “Cystinosis: Adolescent and Sibling Issues” & Moderate “Adolescent and Young Adult Group (patient only) Discussion Session”, Mar 30-April 1, 2017, Newport Beach, California

29 Lysosomal Storage Network WorldFair 2017, “Update on Nephropathic Cystinosis” and participant in Group discussion. October 7, 2017, Minneapolis, Minnesota,

30 Cystinosis Research Foundation. “Genetics and Cystinosis. It’s complicated.” & “Managing Cystinosis: Keeping all those balls in the air” & Moderate “Adolescent and Young Adult Group (patient only) Discussion Session”, April 19-21, 2018, Newport Beach, California

31 European Cystinosis Conference. Expert in Place and Workshop Leader. Berlin, Germany. July 13-15, 2018

32 Lysosomal Storage Network WorldFair 2018, “Update on Nephropathic Cystinosis” and participant in Group discussion. October 20, 2018, Minneapolis, Minnesota,

33 Invited Speaker. Cystinosis Research Foundation. Mar 28-30, 2019, Newport Beach, California
-“Anticipating Renal Replacement Therapy. Predicting when this will be needed and slowing progression”
- Planning for Renal Replacement Therapy: Dialysis and Transplant options and decisions.
-Participate in “Ask the Experts: New Discoveries, Future Treatments, Current Treatments and Care
- Moderate “Adult Group (patient only) Discussion Session”,

34 Invited Speaker, Cystinosis Quebec, Canada May 1, 2019
-“Transplantation in Cystinosis” & “Practical Aspects of Treatment in Cystinosis”

35 Cystinosis Research Network Podcast. “Cystinosis Gene Therapy and Research Update with Dr. Paul Grimm” October 14, 2020

36 Cystinosis Research Foundation. “Kidney Transplant, What’s New and What’s Hot” & Moderate “Adolescent and Young Adult Group (patient only) Discussion Session”, April 29-31, 2021, Virtual

37 Improve Renal Outcomes Collaborative (IROC) Community Engagement Work Group lecture. "Understanding Your Kidney Function and How to Make Your Kidney Last Longer". Virtual September 7, 2021.

38 Dept. of Pediatrics, Stanford University, Mini-Med School. Pediatric Kidney Transplant. Sept 27, 2021

39 Cystinosis Research Foundation, “Managing all those supplements when your child or you have Fanconi syndrome”, “Kidney transplant smorgasbord”, and “A discussion with Dr. Grimm and Dr. Midgley-Tweens and Teens with Cystinosis” March 31-April 2, 2022, Newport Beach, CA, USA

40 Improving Renal Outcomes Collaborative (IROC) Spring 2022 Learning Session. “Lets Talk: Covid-19 Impacts and Experience, April 8, 2022.

41 Transplant Families Conference, “Kidney Transplants without being dependent on immunosuppression. Early success and lots of promise”. www.transplantfamilies.org Virtual April 28-30, 2022.

42 Cystinosis Mexico “Specialty Care of Cystinosis Patients” and “Cystinosis Research Update”, Mexico City, May 6-7, 2022

**17b. MISC. INVITED LECTURES - ACADEMIC & TEACHING:**

1. Division of Continuing Medical Education, Dalhousie University: Pediatric Emergency Workshop, Short Course in Pediatrics, January 22, 1988.

2. Symposium on Advances in Transplantation at the VIIIth Congress of the International Pediatric Nephrology Association. "Both Donor and Recipient Factors are Important in Optimizing Cadaveric Renal Transplantation Outcome in Children." August, 1989, Toronto.

3. Grand Rounds, Winnipeg Children's Hospital, University of Manitoba, Health Sciences Centre, Winnipeg, Manitoba, Canada. "Recent Advances in Pediatric Renal Transplantation." March 22, 1990.

4. Grand Rounds, IWK Hospital for Children, Dalhousie University, Halifax, Nova Scotia, Canada. "Recent Advances in Pediatric Renal Transplantation." March 28, 1990.

5. UCLA Division of Pediatric Hematology/Oncology Core Lecture. "The Immunobiology of the Major Histocompatibility Complex," 1990.

6. Pediatric Subspecialties Introductory Course. "Acute and Chronic Renal Failure," September 1990 and January 1991.

7. UCLA School of Nursing, Master of Nursing Core Lecture Series. "Approach to Hematuria, Proteinuria, and Urinary Tract Infection." February, 1991.

8. Grand Rounds, B.C. Children's Hospital, Vancouver, British Columbia, Canada. "Pediatric Renal Transplantation at UCLA." April 19, 1991.

9. UCLA Pediatric Noon Teaching Conference. "Management of Urinary Tract Infection for the Primary Practitioner." April 29, 1991.

10. CME for Family Physicians, Pediatric Update for Family Physicians. "Screening for Urinary Disease." Friday, November 6, 1992.

11. Organ Donation and Transplantation CME Day, November 27, 1992. Afternoon session - Chair.

12. Nephrology Grand Rounds. "Pediatric End Stage Care," December 4, 1992, University of Alberta.

13. Grand Rounds, Winnipeg Children's Hospital. "Urinary Tract Infection," March 18, 1993.

14. Invited lecture of Pediatric residents, University of Saskatchewan. "Current Diagnosis and Management of Urinary Tract Infections," October 21, 1994.

15. St. Boniface Dept. of Family Practice Education Rounds. "Urinary Tract Infections in Children," November 15, 1994.

16. Guest Faculty, Pediatrics, Obstetrics, Gynecology (POGO), Saskatoon, Saskatchewan. "The Urban Gareau Lecture on Hematuria and Proteinuria - When the Dipstick Says There is a Problem." Small Group Workshop on Pediatric Urinary Tract Infections. February 9-11, 1995.

17. Pediatric Emergency Department Rounds, Wednesday, June 21, 1995. "Urinary Tract Infection in the Emergency Room.

18. Pediatric Grand Rounds, University of Manitoba, 14 December 1995. "Solid Organ Transplantation: The Future is Now."

19. Transplant Rounds, The Florida Hospital and TransLife Organ Procurement Organisation, Orlando, Florida, January, 1996. "Solid Organ Transplantation: Where Are We Going?"

20. Neonatal Link Rounds. "Acute Renal Failure" February 16, 1996, U. of Manitoba.

21. Pediatric Grand Rounds, University of Manitoba, 14 November 1997. "The Internet for the Practising Pediatrician."

22. Grand Rounds. Dept. of Pediatrics UCSD. "Current Diagnosis and Management of Pediatric Urinary Tract Infections". November, 1999

23. Pediatric Intensive Care Conference, Children's Hospital of San Diego. "Hemolytic Uremic Syndrome". March 17, 2000.

1. Grand Rounds Dept of Pediatrics UCSD "Clinical Pathological Conference." Tia Hubbard MD presenter. Consultant discussant on case of neonatal hematuria. October 17, 2000
2. Kaiser Permanente Pediatric Teaching Rounds. Urinary Tract Infections. April 17, 2002
3. Kaiser Permanente Pediatric Teaching Rounds. Pediatric Hypertension May 5, 2004
4. Stanford PICU Fellow’s Conference, “Transplant Immunosuppression” June 6, 2007
5. Adult Nephrology Core Curriculum , “Pediatric Kidney Disease Overview.” October 11, 2007
6. Grand Rounds, Dept. of Pediatrics Stanford University Medical Center and LPCH. “Pediatric Hypertension” An update for the front line practitioner. Jan 11, 2008
7. Adolescent Medicine Teaching Rounds, “Hypertension in Adolescents”. May 1, 2008.
8. San Mateo Medical Center, Medicine Grand Rounds. Hypertension & Renal Dysfunction in Children & Adolescents. May 21, 2008.
9. Stanford/LPCH 17th Annual Pediatric Update. "Recognition and Assessment of Pediatric Hypertension". July 17-18, 2009
10. Stanford Emergency Medicine Lecture, “The interface of Pediatric Nephrology and the ED.” Sept 23, 2009
11. LPCH Pediatric Residency Board Review Course. “Pediatric Hypertension”. Nov 4, 2009.
12. Stanford/LPCH 19th Annual Pediatric Update. "Treatment of Pediatric Hypertension". July 15-16, 2011
13. Stanford Emergency Medicine Lecture, “The interface of Pediatric Nephrology and the ED.” Jan17, 2012
14. Pediatric Grand Rounds “Outpatient Management of Pediatric and Adolescent Hypertension” and Visiting Professor, Dept. of Pediatrics, Emory University, Atlanta Georgia, Nov 27, 2012
15. Multiorgan Transplant Grand Rounds. “Stanford Experience in Donor Specific Antibody Monitoring and Management”. Emory University, Atlanta Georgia. Nov 27, 2012
16. Invited Speaker. Collaborative conference on acute kidney injury and renal replacement therapy. “Aminophylline as a therapy for early acute kidney injury” Children’s Hospital and Research Center, Oakland, CA. April 23, 2013
17. *Fetal and Neonatal End-Stage Kidney Failure: What do We Tell the Family? What are the Outcomes at LPCH? What are the Ethical Considerations?* 21st LPCH Annual Update Pre-Conference, *Advances in Fetal and Neonatal Care.* July 18, 2013
18. Turkish Society for Pediatric Nephrology. *Stanford Experience in Steroid Free Pediatric Kidney Transplantation*. Webinar, May 1, 2014
19. Pediatric Grand Rounds “Outpatient Management of Pediatric and Adolescent Hypertension” and Visiting Professor, Dept. of Pediatrics, University of Puerto Rico, Medical Sciences Campus. San Juan, PR. Sept. 5, 2014
20. Pediatric Grand Rounds “Pediatric Kidney Transplant Update” Kapeolani Dept. of Pediatrics, Honolulu Hawaii, October 15, 2015
21. Pediatric Grand Rounds “Pediatric Kidney Transplant Update” University of New Mexico, Albuquerque, New Mexico, October 22, 2015
22. Pediatric Nephrology Community Lecture “Update on Diagnosis and Management of Nephropathic Cystinosis”. Cartagena, Colombia, November 4, 2015, Medellin, Colombia, November 5, 2015 & Bogota, Colombia, November 6, 2015.
23. Renal Grand Rounds. “Nephropathic Cystinosis Advances in Diagnosis and Therapy of an Ultra-rare Disease. Division of Nephrology, Dept. of Medicine UC Irvine. Irvine, California. January 11, 2016
24. Invited Speaker. “**Robert J. Gorlin Lectureship”,** Dept. of Pediatrics and Dept. of Genetics,University of Minnesota, Aug 23-4, 2016
25. 8th Cornfield Lectureship, Children’s Hospital of Philadelphia. “Cystinosis. It is an exciting time to be treating this disease, but why does a Pediatrician see 50 year olds??” Philadelphia, Penn. October 4, 2017
26. Pediatric Grand Rounds “Pediatric Kidney Transplant Planning for the next 50 years for your patient, and Metabolic Transplant” University of New Mexico, Albuquerque, New Mexico, October 12, 2017
27. Teaching Faculty. Joint 3rd Primer in Paediatric Nephrology for Asia and 3rd IPNA-AsPNA Master for Junior Classes. 1) Immunological Issues in Kidney Transplantation for the Clinician and 2) Developing a Pre-emptive Transplantation Program for Young Children in Emerging Countries. Singapore August 15-17, 2018
28. Pediatric Grand Rounds. Renown Hospital, Reno Nevada. October 3, 2018. “Pediatric Renal Transplantation”
29. Fetal Fifth Friday, Stanford Perinatal Center. “Newborn Dialysis Management and Outcomes especially in the time of Fetal Intervention”. July 31, 2020
30. Cedars-Sinai 10th Annual Symposium on Lysosomal Storage Disorders. Keynote Lecture: Cystinosis diagnosis, management, and new treatments. 2020, December 10.
31. Alice Bertaina & **Paul Grimm**. PedsTalks-Combining Stem Cell and Solid Organ Transplants to Treat Genetic and Severe Autoimmune Diseases.2022
https://www.stanfordchildrens.org/en/podcasts-physicians?segitem=46097

**17c. INVITED LECTURES - RESEARCH:**

1. Grand Rounds, Izaak Walton Killam Hospital for Children, "**What's a Nice Nephrology Fellow Like You Doing Looking at Livers Anyway**?" May 11, 1988.

2. Research Rounds, Winnipeg Children's Hospital, University of Manitoba, Health Sciences Centre, Winnipeg, Manitoba, Canada. "**Experimental Approaches to the Highly Presensitized Dialysis Patient**," March 22, 1990.

3. Pathology Research Rounds, Victoria General Hospital, Dalhousie University, Halifax, Nova Scotia, Canada. "**Experimental Approaches to the Highly Presensitized Dialysis Patient**," March 29, 1990.

4. City Wide Transplant Rounds, University of Alberta. "**Current Management of Pediatric Renal Transplantation**," December 3, 1992.

5. Neonatology Link Rounds, University of Manitoba. "**Detection and Analysis of Physiologic Chemical Signals: The Paradigm of Cytokine Research**," April 20, 1993.

6. Burrows Wellcome Research Rounds, University of Manitoba. "**Cytokine Measurement in Transplantation**," December 2, 1993.

7. Department of Human Genetics Seminar Program, University of Manitoba. "**Cytokine Gene Expression in Renal Transplantation**," January 12, 1994.

8. Anatomy Research Seminar, University of Manitoba. "**Quantitation of Cytokine Message by *In Situ* Hybridization**," March 4, 1994.

9. Manitoba Society of Clinical Chemists. "**Use of *In Situ* Hybridization to Detect Cytokine Activity in Transplant Rejection**," March 24, 1994.

10. Department of Immunology Seminar. **"Cytokine Gene Expression in Transplantation,"** November 8, 1994.

11. Department of Immunology Seminar. **"Chemokine Expression in Renal Allografts,"** Feb., 1997.

12. San Diego Renal Conference. **"Quantitation of Allograft Fibrosis in Renal Transplantation"** June 1999

13. San Diego Renal Conference. **Ongoing research in chronic rejection**. Sept 5, 2000

1. 2nd Medical School, Charles University, Prague. **Research in Chronic Transplant Rejection**. Mar 20, 2001.
2. San Diego Combined UCSD/VA Renal Conference. **Renal Interstitial Fibrosis: Chronic Wound Healing Gone Bad?**. June 4, 2002.
3. UCSD Environmental Health and Safety Department. "**Ongoing research in the Grimm Lab**" June 5, 2002.
4. UC Riverside Biomedical Seminar Series. 2003 “**Kidney Fibrosis: Chronic Wound Repair Gone Bad**” January 16, 2003
5. UCSD Pediatric Faculty Research Seminar Series. **“Image analysis of fibrosis and other pathology in liver and kidney biopsies**” March 21, 2006
6. Stanford Adult Nephrology Research Conference. “Image analysis of fibrosis and inflammation in renal allograft biopsies, Veteran’s Administration Hospital, February 26, 2008
7. Stanford Adult Nephrology Research Conference. “Use of computerized image analysis to diagnose renal allograft rejection”, Veteran’s Administration Hospital, January 25, 2011