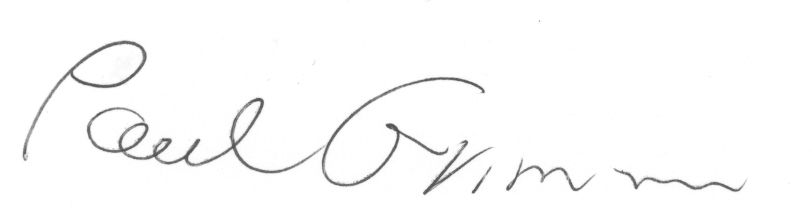
**Paul Charles Grimm MD,** Last Update: August, 2022

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| 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-312  A 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 Pediatric  Patients 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.

17. Orr PH, Dong V, Lorencz B, Sinuff N, Manuel D, Bell S, Maher A, Stephens C, **Grimm PC**, and Ogborn MR. Hemolytic Uremic Syndrome Secondary to an Outbreak of Verotoxin-Producing E.Coli in the Canadian Arctic. Arctic Medical Research, 1994; 53(2):630-634.

18. **Grimm PC**, McKenna RM, Gospodarek EM, Jeffery JR, and Rush DN: Low Frequency of Infiltrating Cells Intensely Expressing T-Cell Cytokine mRNA in Human Renal Allograft Rejection. Transplantation, 1995;59:579-584.

19. Simons FER and **Grimm PC**: "Histamine H1-Receptors in the Nasal Mucosa: A Mystery Solved?" Editorial. Clinical and Experimental Allergy, 1996; 26:368-370.

20. Meltzer J, **Grimm PC**, Greenberg A, Nance D. Enhanced immunohistochemical detection of autonomic nerve fibres, cytokines and inducible nitric oxide synthase by light and fluorescent microscopy in rat spleen. Journal of Histochemistry and Cytochemistry, 1997; 45:599-610.

21. Routledge MW, Rush D, McKenna R, Gough J, Jeffery J, Stern E, Liu B, Savani RC, and **Grimm PC**. The Receptor for Hyaluronan-Mediated Motility (RHAMM) is Expressed in Human Renal Allografts and is Correlated with Banff Chronic Rejection Scores. Transplantation Proceedings, 1997; 29:2597-2598.

22. Nickerson P, Jeffery J, Gough J, McKenna R, **Grimm PC**, Cheang M, and Rush D. Identification of Clinical and Histopathological Risk Factors for Diminished Renal Function 2 Years Post-Transplant. J. of American Soc. of Nephrology, 1998; 9:482-487.

23. Davis, ID, Bunchman TE, **Grimm PC**, Benfield MR, Briscoe DM, Harmon WE, Alexander SR, Avner ED. Pediatric renal transplantation: indications and special considerations. A position paper from the Pediatric Committee of the American Society of Transplant Physicians. Pediatr. Transplantation, 1998; 2:117-129. (abstracted and reviewed in Literature Scan Transplantation 1998;14 #3:9)

24. McKenna R, Lee KR, Gough J, Jeffery J, , **Grimm PC**, Rush D. Matching for private or public HLA epitopes reduces acute rejection episodes and improves two-year renal allograft function. Transplantation, 1998; 66:38-43. Reviewed in Literature Scan Transplantation 1998;14:12-13

25. Meltzer JC, Sanders V, **Grimm PC**, Stern E, Rivier C, Lee S, Rennie SL, Gietz RD, Hole AK, Watson PH, Greenberg AH, and Nance DM. Production of Digoxigenin-Labelled RNA Probes and the Detection of Cytokine mRNA in Rat Spleen and Brain by *In Situ* Hydridization. Brain Research Protocols, 1998; 2: 339-351.

26. Meltzer JC, Sanders V, **Grimm PC**, Chaisson N, Hoeltle HJ, Garrett KL, Greenberg AH, and Nance DM. Non-Radioactive Northern Blotting with Biotinylated and Digoxigenin-Labelled Riboprobes. Electrophoresis, 1998;19:1351-1355

27. Rush D, Nickerson P, , Gough J, McKenna R, **Grimm PC**, Cheang M, Trpkov K, Solez K and Jeffery J. beneficial effects of treatment of early subclinical rejection: A randomized study. J. of American Soc. of Nephrology, 1998 ; 11: 2129-2134.

28. Lipman ML, Shen Y, Jeffery JR, Gough J, McKenna RM, **Grimm PC**, Rush DN. Immune-activation gene expression in stable renal allograft biopsies: Molecular evidence for subclinical rejection. Transplantation 1998; 66: 1673-1681

29. Rush DN, Nickerson P, Jeffery JR, McKenna RM, **Grimm PC**, Gough J. Protocol Biopsies in Renal Transplantation: Research tool or Clinically Useful? Current Opinions in Nephrology and Hypertension 1998; 7:691-694.

30. Rush DN, **Grimm PC**, Jeffery JR, Gough J, Lipman M, Birk P, McKenna RM, Nickerson P. Predicting Rejection: Is early diagnosis achievable and important?. Graft 1999;2(supp2):S31-S35

31. **Grimm P**, McKenna R, Nickerson P, Russell ME, Gough J, Gospodarek E, Liu B, Jeffery J, Rush D. Clinical rejection is distinguished from subclinical rejection by increased infiltration by a population of activated macrophages. (feature article) J Am Soc Nephrol 1999;10(7):1582-1589. Reviewed in "Literature Scan: Transplantation" 1999;XV:18

32. Nickerson P, Jeffery J, Gough J, **Grimm PC**, McKenna R, Birk, P, and Rush D. Effect of increasing baseline immunosuppression on the prevalence of clinical and subclinical rejection: A pilot study. J. Am Soc Nephrol, 1999; 10:1801-1805

33. **Grimm P**, Nickerson P, Gough J, McKenna R, Jeffery J, Birk, P, Rush. Quantitation of Allograft Fibrosis and Chronic Allograft Nephropathy. Pediatric Transplantation 1999;3:257-270 (Accompanying editorial on pages 249-251)

34. Benador N, **Grimm P**, Lemire J, Griswold W, Billman G, Reznik V. Interstitial Nephritis in Children with Crohn's Disease. Clinical Pediatrics 2000; 39:253-254

35. Lemire J, Capparelli EV, Benador N, **Grimm P**, Macdonald D, Reznik V. Neoral pharmacokinetics in Latino and Caucasian pediatric renal transplant recipients. Pediatric Nephrology 2001;16:311-314

36. Savani RC, Hou G, Liu P, Wang C, Simons E, **Grimm PC**, Stern R, Greenberg AH, DeLisser HM, Khalil N. A role for hyaluronan in macrophage accumulation and collagen deposition after bleomycin-induced lung injury" American Journal of Respiratory Cell and Molecular Biology. 2000 Oct;23(4):475-84

37. Benador N, **Grimm PC**, Lavine J, Rosenthal P, Reznik V, and Lemire J. Transjugular intrahepatic portosystemic shunt prior to renal transplantation in a child with autosomal recessive polycystic kidney disease and portal hypertension: a case report. Pediatric Transplantation 2001;5:210-214

1. **Grimm P**, Nickerson P, Jeffery J, Savani RC, Gough J, McKenna R, Stern E, Rush D. Neointimal and tubulointerstitial Infiltration by recipient mesenchymal cells in chronic renal allograft rejection. New England Journal of Medicine. 2001;345(2):93-7
2. Melk A, Kittikowit W, Sandhu I, Halloran K, **Grimm PC**, Schmidt BMW, Halloran PF. Cell senescence in rat kidneys in vivo increases with growth and age despite lack of telomere shortening. Kidney International 2003;63:2134-2143
3. **Grimm P**, Nickerson P, Gough J, McKenna R, Stern E, Jeffery J, Rush D. Computerized Image Analysis of Sirius Red Stained Renal Allograft Biopsies as a Surrogate Marker to Predict Long Term Allograft Function. J. Am Soc Nephrol, 2003;14:1662-1668
4. Pape L, Henne T, Offner G, Strehlau J, Ehrich JHH, Mengel M, **Grimm PC**. Computer-assisted-quantification of fibrosis in Chronic Allograft Nephropathy by PicroSirius Red-staining: A new tool for predicting long term graft function. Transplantation 2003;76:955-958
5. Ferrara E, Lemire J, **Grimm PC**, Reznik VM, Mendoza SA, Leake JA, Benador NM. Mycobacterial peritonitis in pediatric peritoneal dialysis patients.Pediatr Nephrol. 2004;19(1):114-7.
6. Ferrara E, Lemire J, Reznik VM, **Grimm PC**. Dietary phosphorus reduction by pre-treatment of human breast milk with sevelamer. Pediatric Nephrology 2004;19:775-779
7. Sund S, **Grimm P**, Reisaeter AV, Hovig T. Computerized image analysis vs semiquantitative scoring in evaluation of kidney allograft fibrosis and prognosis. Nephrol Dial Transplant. 2004 Nov;19(11):2838-2845
8. Zaman A, Cui Z, Foley JP, Zhao H, **Grimm PC**, DeLisse HM and Savani RC. Expression and role of the hyaluronan receptor RHAMM in inflammation after bleomycin injury. American Journal of Respiratory Cell and Molecular Biology 2005;33:447-454
9. Melk A, Mansfield ES, Hsieh SC, Hernandez-Boussard T, **Grimm P**, Rayner DC, Halloran PF, Sarwal MM. Transcriptional analysis of the molecular basis of human kidney aging using cDNA microarray profiling. Kidney International 2005;68:2667-79
10. Schachter AD, Benfield MR, Wyatt RJ, **Grimm PC**, Fennell RS, Herrin JT, Lirenman DS, McDonald RA, Munoz-Arizpe R, Harmon WE. Sirolimus pharmacokinetics in pediatric renal transplant recipients receiving calcineurin inhibitor co-therapy. Pediatric Transplantation 2006 ;10:914-9
11. **Grimm PC**. Expert Commentary on “Antibiotics for acute pyelonephritis in children.” Evidence-Based Child Health: A Cochrane Review Journal Volume 1, Issue 2, June 2006, Pages: 588-589
12. Solez K, Colvin RB, Racusen LC, Sis B, Halloran PF, Birk P, Campbell PM, Demetris AJ, Drachenberg CB, Gibson IW, **Grimm PC**, Haas M, Lerut E, Liapis H, Mannon R, Marcus PB, Mengel M, Mihatsch MJ, Nankivell B, Nickeleit V, Randhawa P, Roberts I, Salinas-Madrigal L, Seron D, Sheaff M, Weening JJ. Banff '05 Meeting Report and the Banff Classification of Renal Allograft Pathology: Differential diagnosis of chronic injury, and elimination of "CAN". American Journal of Transplantation. 2007;7:518-526
13. R. A. McDonald, J. M. Smith, M. Ho, R. Lindblad, D. Ikle, **P. Grimm**, R. Wyatt, M. Arar, D. Liereman, N. Bridges, W. Harmon, CCTPT Study Group (2008) Incidence of PTLD in Pediatric Renal Transplant Recipients Receiving Basiliximab, Calcineurin Inhibitor, Sirolimus and Steroids. American Journal of Transplantation 8 (5) , 984–989
14. Robert Ettenger, Peter-Friedrich Hoyer, **Paul** **Grimm**, Nicholas Webb, Chantal Loirat, John D. Mahan, Mark Mentser, Patrick Niaudet, Gisela Offner, R. Vandamme-Lombaerts, J. Mark Hexham, the Everolimus Pediatric Study Group\* (2008) Multicenter trial of everolimus in pediatric renal transplant recipients: Results at three year. Pediatric Transplantation 12 (4) , 456–463
15. Vivek Bhalla V, **Grimm PC**, Chertow GM, Pao AC. Melamine Nephrotoxicity– An Emerging Epidemic in the Era of Globalization. Kidney International 2009;75:774-9.
16. L. Li, A. Chang, M. Naesens, N. Kambham, J. Waskerwitz, J. Martin, C. Wong, S. Alexander, P. **Grimm**, W. Concepcion, O. Salvatierra, and M. M. Sarwal. Steroid-Free Immunosuppression Since 1999: 129 Pediatric Renal Transplants with Sustained Graft and Patient Benefits. American Journal of Transplantation 2009; 9: 1362–1372
17. Farris AB, Adams CD, Brousaides N, Della Pelle PA, Collins AB, Moradi E, Smith RN, **Grimm PC**, and Robert B. Colvin. Morphometric and Visual Evaluation of Fibrosis in Renal Biopsies. J. Am Soc Nephrol, 2011; 22: 176–186.
18. Jungraithmayr, TC, Hofer K, Cochat P, Chernin G, Cortina G, Fargue S, **Grimm PC**, Knueppel T, Kowarsch A, Neuhaus T, Pagel P, Pfeiffer KP, Schäfer F, Seeman T, Toenshoff B, Weber S, Winn MP, Zschocke J, and Zimmerhackl, LB. Screening for NPHS2 mutations may help predict FSGS recurrence after transplantation.. J. Am Soc Nephrol, 2011; 22: 579–585.
19. Chaudhuri A, Kambham N, Sutherland S, **Grimm P**, Alexander S, Concepcion W, Sarwal M, Wong C. Rituximab treatment for recurrence of nephrotic syndrome in a pediatric patient after renal transplantation for congenital nephrotic syndrome of Finnish type. . Pediatr Transplant. 2012 Aug;16(5):E183-7
20. Lightner A, Concepcion W, **Grimm** PC. Steroid Avoidance in Pediatric Renal Transplantation. Current Opinion in Organ Transplantation 2011, 16(5):477-82
21. Garro R, Kambham N, Moradi EF, **Grimm** PC. Quantitation of Tubulitis using Computerized Image Analysis to Enhance the Reliability of Renal Allograft Rejection Diagnosis. Transplantation 2012 (in review)
22. Nguyen L, McClellan RB, Chaudhuri A, Alexander SR, Chen S, Concepcion W, **Grimm** PC. Conversion from Tacrolimus/Mycophenolic acid to Tacrolimus/Leflunomide to treat cutaneous warts in a series of 4 pediatric renal allograft recipients. Transplantation 2012 2012;94: 450**-**455
23. Craig B Langman, Larry A Greenbaum, Minnie Sarwal, **Paul Grimm**, Patrick Niaudet, Georges Deschênes, Elisabeth Cornelissen, Denis Morin, Pierre Cochat, Debora Matossian, Segolene Gaillard, Mary Jo Bagger, and Patrice Rioux., A Randomized Controlled Crossover Trial with Delayed-Release Cysteamine Bitartrate in Nephropathic Cystinosis: Effectiveness on White Blood Cell Cystine Levels and Comparison of Safety. Clin J Am Soc Nephrol 2012;7 1112-1120
24. Beatrix Kapusinszky, Sharon Chen, Malaya Sahoo, Martina Lefterova, Lynn Kjelson, **Paul Grimm**, Neeraja Kambham, Waldo Concepcion, and Benjamin Pinsky. BK Polyomavirus Subtype III In A Pediatric Renal Transplant Patient With Nephropathy. Journal of Clinical Microbiology 2013 Dec;51(12):4255-8
25. David M. Axelrod, Andrew T. Anglemyer, Sara F. Sherman-Levine, Aihua Zhu, **Paul C. Grimm**, Stephen J. Roth,Scott M. Sutherland. Initial Experience Using Aminophylline to Improve Renal Dysfunction in the Pediatric Cardiovascular Intensive Care Unit. Pediatric Critical Care Medicine 2014; 15 (1): 21-27 PMID:24212284
26. Ha Tran, Abanti Chaudhuri, Waldo Concepcion, **Paul Grimm**. Use of Eculizumab and Plasma Exchange in Successful Combined Liver-Kidney Transplantation in a Case of Atypical HUS Associated with Complement Factor H Mutation. Pediatr Nephrol. 2014 Mar;29(3):477-80, PMID:24221349
27. Ryan, CM, Chaudhuri A, Concepcion W, and **Grimm PC**. Immune cell function assay does not identify biopsy-proved pediatric renal allograft rejection or infection Pediatr Transplant. 2014 Aug;18(5):446-52, PMID:24930482
28. Langman,CB, Greenbaum LA, **Grimm PC**, Sarwal M, Niaudet P, Deschênes G, Cornelissen EAM, Morin D, Cochat P, Elenberg E, Hanna C, Gaillard S, Bagger MJ, and Rioux P. Quality of Life and Status are Improved and Kidney Function Preserved in Patients with Nephropathic Cystinosis Treated for Two Years with Delayed-release Cysteamine Bitartrate. **J of Pediatrics** J Pediatr. 2014 Sep;165(3):528-533. PMID:24948347
29. Chaudhuri A, James G, **Grimm PC**. Whether or not to accept a deceased donor kidney offer for a pediatric patient. **Pediatr Nephrol.** 2015 Sep;30(9): 1529-1536 PMID: 26130248
30. Atwal PS, Macmurdo C, **Grimm PC**. Haemodialysis is an effective treatment in acute metabolic decompensation of maple syrup urine disease. **Molecular Genetics and Metabolism Reports**. 2015 4:46-48
31. Sahoo M, Tan S, Chen S, Kapusinszky B, Concepcion K, Kjelson L, Mallempati K, Farina H, Fernández-Viña M, Tyan D, **Grimm PC**, Anderson M, Concepcion W, and Pinsky B. Limited Variation in BK Virus T-cell Epitopes Revealed by Next-Generation Sequencing. **Journal of Clinical** Microbiology 2015 Oct;53(10):3226-33
32. Chaudhuri A, Gallo A, **Grimm P**. Pediatric deceased donor renal transplantation: An approach to decision making I. Pediatric kidney allocation in the USA: The old and the new. **Pediatr Transplant**. 2015 Nov;19(7):776-84
33. Chaudhuri A, Gallo A, **Grimm P**. Pediatric deceased donor renal transplantation: An approach to decision making II. Acceptability of a deceased donor kidney for a child, a snap decision at 3 AM. **Pediatr Transplant**. 2015 Nov;19(7):785-91
34. Berryhill A, **Grimm PC**. Cysteamine in renal transplantation: A report of two patients with nephropathic cystinosis and the successful re-initiation of cysteamine therapy during the immediate post-transplant period. **Pediatr Transplant**. 2015 Oct 19. doi: 10.1111/petr.12617
35. Axelrod DM, Sutherland SM, Anglemyer A, Grimm PC, Roth SJ. A Double-Blinded, Randomized, Placebo-Controlled Clinical Trial of Aminophylline to Prevent Acute Kidney Injury in Children following Congenital Heart Surgery with Cardiopulmonary Bypass. **Pediatric Critical Care Medicine**, 2016 Feb;17(2):135-43. doi: 10.1097/PCC.0000000000000612
36. Adam Frymoyer, Felice Su, **Paul C. Grimm**, Scott M. Sutherland, David M. Axelrod. Theophylline Population Pharmacokinetics and Dosing in Children Following Congenital Heart Surgery with Cardiopulmonary Bypass. **Journal of Clinical Pharmacology** 2016 Sep;56(9):1084-93.
37. Arjang Djamali, Shannon R. Reese, Nancy A. Wilson, Elizabeth A Sadowski, Wei Zha, David Niles, Sean B Fain, Omeed Hafez, Justin Dorn, Tom Mehner, **Paul C. Grimm**, F. Michael Hoffmann, Weixiong Zhong, Konrad Famulski, Philip Halloran. Nox2 is a Mediator of Calcineurin-Inhibitor-Induced Renal Hypoxia. **Transplantation**, 2016 Jun;100(6):1198-210. doi: 10.1097/TP.0000000000001137
38. South AM, **Grimm PC**. Transplant Immuno-Diagnostics: Cross-Match and Antigen Detection. **Pediatr Nephrol**. 2016 31:897–905
39. Langman CB, Barshop BA, Deschênes G, Emma F, Goodyer P, Lipkin G, Midgley JP, Ottolenghi C, Servais A, Soliman NA, Thoene JG, Levtchenko EN; Conference Participants. [Controversies and research agenda in nephropathic cystinosis: conclusions from a "Kidney Disease: Improving Global Outcomes" (KDIGO) Controversies Conference.](https://www.ncbi.nlm.nih.gov/pubmed/27181776) **Kidney Int**. 2016 Jun;89(6):1192-203.
40. Robert Ettenger, Hyunsook Chin, Karen Kesler, Nancy Bridges, **Paul Grimm**, Elaine F. Reed, Minnie Sarwal, Richard Sibley, Eileen Tsai, Barry Warshaw, Allan D. Kirk. Relationship between viremia/viral infection, alloimmunity and nutritional parameters in the first year after pediatric kidney transplantation. **Am J Transplantation,** 2017;17:1549-1562. DOI: 10.1111/ajt.14169, PMID: 27989013
41. Andrew M. South, Lynn Maestretti, Neeraja Kambham, **Paul C. Grimm** and Abanti Chaudhuri. Persistent C4d and antibody-mediated rejection in pediatric renal transplant patients. **Pediatric Transplantation**. 2017, DOI: 10.1111/petr.13035 PMID: 28833936
42. Maryam Aghighi, Laura Pisani, Ashok J. Theruvath, Anne M. Muehe, Jessica Donig, Ramsha Khan, Samantha Holdsworth, Neeraja Kambham, Waldo Concepcion, **Paul C. Grimm**, Heike E. Daldrup-Link. Ferumoxytol is not retained in kidney allografts in patients undergoing acute rejection. ***Molecular Imaging and Biology****.* 2018; 20(1):139-149 PMID: 28411307
43. Jeremy Sugarman, Jean Anderson, Ahmet A. Baschat, Jaime Herrera Beutler, Jessica L. Bienstock, Timothy E. Bunchman, Niraj M. Desai, Elena Gates, Aviva Goldberg, **Paul C. Grimm**, Leslie Meltzer Henry, Christine B. Hertenstein, Eric B. Jelin, Emily Johnson, Anna C. Mastroianni, Mark R. Mercurio, Alicia Neu, Lawrence M. Nogee, MD, William J. Polzin, Steven J. Ralston, Ronald M. Ramus, MD, Megan Kasimatis Singleton, JD, MBE, Michael J.G. Somers, Karen C. Wang, MD, and Renee Boss. Ethical Considerations Concerning Amnioinfusions for Treating Fetal Bilateral Renal Agenesis. Obstetrics & Gynecology 2017 Dec 4. doi: 10.1097/AOG.0000000000002416.v **Obstetrics and Gynecology**. 2018; 131(1):130-134. PMID: 29215523
44. Aleah L Brubaker, Daniel J Stoltz, Abanti Chaudhuri, Lynn Maestretti, **Paul C. Grimm**, Waldo Concepcion, Amy E Gallo. Superior Hypertension Management in Pediatric Kidney Transplant Patients After Native Nephrectomy. **Transplantation**. 2018 Jul;102(7):1172-1178. doi: 10.1097/TP.0000000000002093. PMID: 29953422
45. Hsi-Yang Wu, Waldo Concepcion, **Paul C. Grimm**. When does vesicoureteral reflux in pediatric kidney transplant patients need treatment? **Pediatric transplantation** 2018 Dec;22(8):e13299, DOI: 10.1111/petr.13299. PMID:30324753
46. Vaka K Sigurjonsdottir and **Paul C. Grimm**. Living or deceased donor kidney transplantation in children. Curr Opin Pediatr 2019 Apr;31(2):232-236. doi: 10.1097/MOP.0000000000000740. PMID 30762703
47. Candice R. Sheldon, Erin D. Kim, Priya Chandra, Waldo Concepcion, Amy Gallo, Sharon Su, **Paul C. Grimm**, Steven R. Alexander, Cynthia J. Wong. Two Infants with Bilateral Renal Agenesis who were Bridged by Chronic Peritoneal Dialysis to Kidney Transplantation. **Pediatric Transplantation**, 2019 Sep;23(6):e13532. doi: 10.1111/petr.13532. Epub 2019 Jul 1 PMID: 31259459
48. Brubaker AL, Wu HY, Lee A, Vuong P, Stoltz DJ, Chaudhuri A, James G, **Grimm PC**, Concepcion W, Gallo AE.. Ureterostomy as an alternative to ileal conduits in pediatric kidney transplantation. **Clinical Transplantation** . 2020 Jan 6:e13777. doi: 10.1111/ctr.13777. [Epub ahead of print] PMID: 31904131
49. Orly Haskin, Weiwen Shih, Cynthia J Wong, David M Axelrod, **Paul C Grimm**. Peri-transplant aminophylline in pediatric kidney transplant recipients of donation after brain death- a double-blinded placebo-controlled randomized clinical trial. **Pediatric Nephrology** 2020 Sep;35(9):1729-1736. doi: 10.1007/s00467-020-04561-z. Epub 2020 May 16PubMed PMID: 32418145.
50. Brian I Shaw, Hui-Jie Lee, Cliburn Chan, Robert Ettenger, **Paul Grimm,** Meghan Pearl, Elaine F Reed, Mark A Robien, Minnie Sarwal, Linda Stempora, Barry Warshaw, Congwen Zhao, Olivia M Martinez, Allan D Kirk,, Eileen T Chambers. Relationship Between Antithymocyte Globulin, T Cell Phenotypes and Clinical Outcomes in Pediatric Kidney Transplantation. **American Journal of Transplantation**. 2021 Feb;21(2):766-775. doi: 10.1111/ajt.16263. Epub 2020 Sep 12. PMID: 33480466
51. J. Andres Morales, Christina G. Tise, Amrita Narang, **Paul C. Grimm,** Gregory M. Enns, Chung U. Lee. Profound neonatal lactic acidosis and sensorineural hearing loss in a patient with glycogen storage disease type IXɑ2 with a de novo pathogenic variant in PHKA2. **Molecular Genetics and Metabolism Reports**, 2021;27 DOI 10.1016/j.ymgmr.2021.100765
52. Jill R Krissberg, Matthew B Kaufmann, Anshal Gupta, Eran Bendavid, Margaret Stedman, Xingxing S Cheng, Jane C Tan, **Paul C** **Grimm**, Abanti Chaudhuri.. Racial Disparities in Pediatric Kidney Transplantation under the new Kidney Allocation System in the United States. **Clinical Journal of the American Society of Nephrology**, 2021, Published on October 20, 2021 as doi: 10.2215/CJN.06740521Covered in Medpage Today
53. Juhi Kumar, Kévin Contrepois, Michael Snyder, **Paul Grimm**, Asha Moudgil, Jodi Smith, Amy E. Bobrowski, Priya S. Verghese, David Hooper, Elizabeth Ingulli , Rachel Lestz, Patricia Weng, Janaiya L. Reason , Tom Blydt-Hansen, Manikkam Suthanthiran, Brendan Keating Sandra Amaral. Design and Methods of the Validating Injury to the Renal Transplant Using Urinary Signatures (VIRTUUS) Study in Children. **Transplantation Direct**, 2021, DOI: 10.1097/TXD.0000000000001244
54. Vaka K. Sigurjonsdottir MD, Lynn Maestretti, Anne McGrath, Waldo Concepcion, Amy Gallo, Urdur Jonsdottir, **Paul C. Grimm**, Abanti Chaudhuri. Low Dose Rabbit Antithymocyte Globulin is Non-Inferior to Higher Dose in Low Risk Pediatric Kidney Transplant Recipients. **Pediatric Nephrology** 2022 DOI-https://doi.org/10.1007/s00467-021-05407-y
55. Vaka K. Sigurjonsdottir, Natasha Purington, Abanti Chaudhuri, Bing M. Zhang, Marcelo Fernandez-Vina MD, Runolfur Palsson, Neeraja Kambham, Vivek Charu, Kim Piburn, Lynn Maestretti, Anika Shah, Amy Gallo, Waldo Concepcion, **Paul C. Grimm**. Complement-Binding Donor-Specific Anti-HLA Antibodies: Biomarker for Immunologic Risk Stratification in Pediatric Kidney Transplantation Recipients. **Transplant International** 2022 <https://doi.org/10.3389/ti.2021.10158>,
56. Alice Bertaina, **Paul C. Grimm**, Karen Kristovich, Giulia Barbarito, M.S., Elizabeth Lippner, Sahar Fathallah-Shaykh, Amira Al-Uzri, Geraldine Aubert, Kim van der Elst, M.Sc., Rajni Agarwal, Priscila Ferreira Selpicka, Ami Shah, Kenneth Weinberg, Robertson Parkman, Maria Grazia Roncarolo, Amy Gallo, Waldo Concepcion, and David B. Lewis. Sequential Stem Cell-Kidney Transplantation in Schimke Immuno-osseous Dysplasia. **New England Journal of Medicine**. 2022 Jun 16;386(24):2295-2302. PMID: 35704481. https://doi.org/10.1056/NEJMoa2117028
57. Kim H. Piburn, Vaka K. Sigurjonsdottir, Olafur S. Indridason, Lynn Maestretti, Mary Victoria Patton, Anne McGrath, Runolfur Palsson, Amy Gallo, Abanti Chaudhuri, **Paul C. Grimm**. Patterns in tacrolimus variability and association with de novo donor-specific antibody formation in pediatric kidney transplant recipients. **Clinical Journal of the American Society of Nephrology**, 2022 2022 Jul 26;CJN.16421221. doi: 10.2215/CJN.16421221
58. Brian I Shaw, Hui-Jie Lee, Robert Ettenger, **Paul Grimm**, Elaine F Reed, Mark A Robien, Minnie Sarwal, Linda Stempora, Barry Warshaw, Congwen Zhao, Olivia M Martinez, Nancie J MacIver, Allan D Kirk, Eileen T Chambers. Malnutrition and Immune Cell Subsets in Children Undergoing Kidney Transplantation. In press **Pediatric Transplantation** 2022 DOI: 10.1111/petr.14371

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

1. Ettenger RB, **Grimm PC**, Marik J, Rosenthal JT, Fine RN: Both Donor and Recipient Factors are Important in Optimizing Cadaveric Renal Transplant Outcome in Children. Pediatric Nephrology. 1989; 3:PC81.

2. **Grimm PC**, Ettenger RB, Fine RN: Kidney Transplantation and Epoetin Alfa Therapy: Case Studies. in New Directions in Anemia. 1990; 1(10);1-4.

3. **Grimm PC**, Ettenger RB: "Kidney Transplantation" in *Advances in Pediatrics,* Vol 39, 1992, Lewis A Barness Ed.

4. **Grimm PC**, Ettenger RB: "Renal Transplantation Immunobiology" *in Pediatric Kidney Disease*, 2nd Edition, 1992. CM Edelman Jr. Ed., Little Brown & Co.. Boston 1992; 40:917-940.

5. Ettenger RB, **Grimm PC**: "Management of Pediatric Renal Transplantation" in Handbook of Renal Transplantation, 1992, G Danovitch Ed., Little Brown & Co.. Boston 1992; 14:305-338.

6. Yadin O, **Grimm PC**, Ettenger RB: "Renal Transplantation in Children" in Radiology, 1992; 185(3):738.

7. Ettenger RB, Yadin O, **Grimm PC**: "Clinical Transplantation" in Pediatric Nephrology, 3rd Edition. Holliday, Barratt, Avner eds, Williams and Wilkins. (1994)

8. **Grimm PC**: Which child will have electrolyte abnormalities: "A Nephrologist's Perspective" in Pediatric Emergency and Critical Care. 1998; 11: 2-3.

9. **Grimm PC**. Letter to the Editor re Canadian Health Care. Maclean's Magazine Feb 14, 2000; 5-6.

10. **Grimm PC**, Lemire, J. "Assessment of allograft dysfunction" in Pediatric Solid Organ Transplantation, Tejani, Harmon & Fine, eds. Munksgaard 2000.

1. **Grimm PC**, Invited Editorial. The Protocol Renal Allograft Biopsy. Has its time come? Pediatric Transplantation 2004;8(1):3-5.
2. **Grimm PC**, Invited Editorial. Novel methods of prediction of long-term renal allograft outcome. Pediatric Transplantation 2004;8(6):531-2
3. **Grimm PC.** Use of Growth Hormone in Children with Kidney Disease. Brochure for the Magic Foundation 2005
4. **Grimm PC**, Invited Editorial. Use of an immune function assay to monitor immunosuppression. Pediatric Transplantation 2006;10: 533-5
5. **Grimm PC** & Concepcion W. Invited Editorial. Steroid Free Immunosuppression in Teenagers: Living without a safety net.Pediatric Transplantation 2012: 16: 305–307
6. Oh, G, **Grimm PC**, Martinez O. “EBV infection and PTLD in renal transplant recipients” in Infecciones en el Paciente Receptor de Transplante Renal. (Spanish) in press
7. Oh G, **Grimm PC**. Chapter 47-“Acute Kidney Injury in Infants” in Neonatology- Clinical Practice and Procedural Atlas. D Stevenson, P Sunshine, RS Cohen, and K Van Meurs eds. 2013
8. Oh G, **Grimm PC**. Chapter 103-“Atlas: Acute Kidney Injury in Neonates and Infants” in Neonatology- Clinical Practice and Procedural Atlas. D Stevenson, P Sunshine, RS Cohen, and K Van Meurs eds. 2013
9. Haskin O & **Grimm PC**. Chapter 1-“Steroid Avoidance Protocols in Pediatric Kidney transplantation” in Pediatric Renal Transplantation. Protocols and Controversies. LC Hymes ed. 2015 Nova Science Publishers, New York
10. **Grimm, PC**. Chapter 29. The Highly Sensitized Dialysis Patient. in " Pediatric Dialysis Case Studies – A Practical Guide to Patient Care" Bradley A. Warady, Franz Schaefer, and Steven R. Alexander, editors. Springer, pp 219-224, 2017
11. Mahan J, Neu A, **Grimm P**, Warshaw B. Pediatric Nephrology. Entrustable Professional Activities. May 25, 2018, American Board of Pediatrics Publisher. Chapel Hill.

**12. ABSTRACTS AND PRESENTATIONS:**

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. 1986; 140:305 (presented at Ambulatory Pediatric Association, Washington, DC, 1986).

2. **Grimm PC**, Crocker JFS, Ogborn MR, Malatjalian DA: Hepatic Cysts in cpk Mice: A Morphologic Study and Technique for Visualization of Intrahepatic Bile Ducts. Pediatric Research. 1987; 21:572 (presented at SPR).

3. **Grimm PC**, Cole DEC, Ogborn MR, Crocker JFS: Cellulose Phosphate Therapy in Hypercalcemia of Williams Syndrome. Pediatric Research. 1987; 21:1815.

4. Ogborn MR, Crocker JFS, Barnard DR, **Grimm PC**: Favourable Outcome of Childhood Hemolytic Uremic Syndrome with Stepped Aggressive Therapy. Kidney International. 1988; 33:203 (presented at ASN).

5. **Grimm PC**, Malatjalian DA, Ogborn MR, Crocker JFS: The Pathology of the Liver Lesions Associated with Autosomal Recessive Polycystic Kidney Disease. Kidney International. 1988; 33:192 (presented at ASN).

6. **Grimm PC**, Sinai-Trieman L, Sekiya N, Robertson L, Fine RN, Ettenger RB: Recombinant Human Erythropoeitin Decreases Anti-HLA Sensitization. American Society of Transplant Physicians. May 30-31, 1989, Chicago (presented).

7. **Grimm PC**, Sinai-Trieman L, Sekiya N, Robertson L, Fine RN, Ettenger RB: Recombinant Human Erythropoeitin Decreases Anti-HLA Sensitization and May Increase Transplantability in Pediatric Dialysis Patients. Presented at the VIIIth Congress of the International Pediatric Nephrology Association, August, 1989, Toronto, Canada.

8. **Grimm PC**, Salusky IB, Ettenger RB: Increased Cellular Immune Responsiveness Accompanies the Highly Sensitized State in Dialysis Patients. Society for Pediatric Research 1990 (presented).

9. **Grimm PC**, Ettenger RB: The Highly Sensitized (High PRA) State is Accompanied by High Cellular Anti-HLA Immune Responsiveness in Dialysis Patients. American Society of Transplant Physicians. May 30-31, 1990, Chicago (presented).

10. **Grimm PC**, Robertson LS, Robinson BJ, Sekiya NM, Ettenger RB: Serum Anti-Idiotype Activity Developing in Dialysis Patients Treated with Recombinant Human Erythropoeitin. American Society of Transplant Physicians. May 30-31, 1990, Chicago (presented).

11. **Grimm PC**, Ettenger RB: High Cellular Anti-HLA Immune Responsiveness Accompanies the Highly Sensitized (High PRA) State in Dialysis Patients. XIII International Congress of the Transplant Society. August 19-24, 1990 (presented).

12. Ettenger RB, Rosenthal JT, **Grimm PC**, Marik J, Malekzadeh M: Results with Long-Term Cyclosporine Immunosuppression in Pediatric Cadaveric Renal Transplantation. XIII International Congress of the Transplant Society, August 19-24, 1990 (presented).

13. Sekiya NM, **Grimm PC**, Robertson LS, Robinson BJ, Ettenger RB: Recombinant Human Erythropoeitin (rHuEPO) Decreases Anti-HLA Sensitization and May Improve Renal Allograft Outcome. XIII International Congress of the Transplant Society, August 19-24, 1990 (presented).

14. Yadin O, Sekiya NM, **Grimm PC**, Ettenger RB: Intravenous Immunoglobulin in vitro Down Regulates T and B Cell Immune Responses in Normal Individuals and Highly Sensitized Dialysis Patients. Society for Pediatric Research, 1991 (presented).

15. **Grimm PC**, Ettenger RB: A Non-Radioactive Method for Measuring Cytokine Messenger RNA Using in Situ Hybridization. 9th Congress of the International Pediatric Nephrology Association, Jerusalem, September, 1992. Pediatric Nephrology 1992, 6:C145.

16. **Grimm PC**: Cytokine Generation Patterns in Kidney Transplantation. Blood Purification 1993, 11:339.

17. Birk PE and **Grimm PC**: Rapid Nonradioactive in Situ Hybridization for Cytokine mRNA with Riboprobes Generated Using the Polymerase Chain Reaction. American Society of Transplant Physicians, Houston, May, 1993 (presented).

18. **Grimm PC** and Gospodarek EM: Alloantigen and Mitogen Induced Similar Amounts of Cytokine mRNA per Responder Cell as Determined by in Situ Hybridization. American Society of Transplant Physicians, Chicago, May, 1994 (presented).

19. **Grimm PC**, McKenna R, Gospodarek EM, Gough J, Jeffery J, and Rush D: A Few Strongly Positive Cells are Responsible for T-Cell Cytokine mRNA Expression in Human Renal Allograft Rejection. American Society of Transplant Physicians, Chicago, May, 1994 (presented).

20. **Grimm PC**, McKenna R, Gospodarek EM, Jeffery J, and Rush D: T-Cell Cytokine mRNA is Expressed by Infrequent Cells in Human Rejecting Renal Allograft Infiltrates. Cytokine, 1994; 6:568.

21. Meltzer JC, **Grimm PC**, Greenberg AH, Nance DM: Improved Procedure for Identifying Norepinephrine Fibers in the Rat Spleen. 38th Annual Meeting of the Federation of Canadian Biological Societies, Saskatoon, Saskatchewan, 1995.

22. Meltzer JC, **Grimm PC**, Janzen A, Greenberg AH, Nance DM: Improved Procedure for Identifying Nerve Fibers and Inducible Nitric Oxide Synthase in Rat Spleen. Society for Neuroscience, San Diego, CA, November 11, 1995.

23. **Grimm PC**, McKenna R, Gospodarek E, Gough J, Jeffery J, Rush D: Cytokine Generation Patterns in Kidney Transplantation. Baxter Extramural Grant Program, Presented in Chicago, IL, June 14-16, 1994. Blood Purification; 1995, 13:97.

24. Meltzer JC, **Grimm PC**, MacNeil BJ, Greenberg AH, and Nance DM: Detection of Immune-Related Antigens and Nerve Fibers in Rat Spleen. Psychoneuroimmunology Research Society, 1995.

25. Meltzer JC, Sanders V, **Grimm PC**, Stern E, Rennie SL, Gietz RD, Hole AK, Watson PH, Greenberg AH, and Nance DM: Synthesis of Digoxigenin-Labelled Rat IL-1· and TNF-‡ Riboprobes in *In Situ* Hybridization in Floating Sections. Psychoneuro-immunology Research Society, 1995.

26. Lipman M, Jeffery J, McKenna R, **Grimm PC**, Rush D. "Cytokine and cytotoxic T-lymphocyte transcript levels in "surveillance" renal allograft biopsies by quantitative PCR". American Society of Nephrology. JASN. 1995; 6:1060.

27. **Grimm PC**, Rush DN, Stern S, Jeffery JR, McKenna R. "Chemokine gene expression (RANTES and MIP-1b) in asymptomatic human renal allograft rejection." Presented at American Society of Nephrology. JASN. 1995; 6:1057.

28. **Grimm PC**. "*In Situ* hybridization studies of cytokine gene expression in human renal allograft transplantation." Blood Purification, 1996; 14(suppl.1): 97-98.

29. Meltzer JC, Sanders V, **Grimm PC**, Chaisson N, Hoeltke H-J, Garrett KL, Greenberg AH, and Nancy DM. "The measurement of multiple mRNAs by Northern Blotting with non-radioactive riboprobes." PNIRS, Boulder, Colorado, June 4-8, 1997.

30. Routledge M, **Grimm PC**. "RHAMM expression in human renal allograft rejection." Prairie Medical Journal, 1996; 66:198.

31. Rush D, Nickerson P, Gough R, McKenna R, **Grimm P**, Trpkov K, Solez K, Jeffery J. "Treatment of Early Subclinical Rejection (SR) Improves Renal Function at 24 months (MO) in Recipients of Kidneys from Older Donors." ASTP 16th Annual Mtg, May, 1997; #59:pg99 (presented).

32. **Grimm P**, Nickerson P, Rush D, Jeffery J, Lui B, Stern E. Gough J, and McKenna R. "Lack of Phenotypic Difference in the Cellular Infiltrate Between Subclnical and Clinical Allograft Rejection." ASTP 16th Annual Mtg, May, 1997; #275:pg153 (presented).

33. McKenna R, Lee K, Gough J, Jeffery J, **Grimm P**, Rush D, Nicherson P. "Matching for Private (HLA) for Crossreactive (CREG) Epitopes Correlates with Fewer Rejections and Improved Renal Function at 24 Months (MO)." ASTP 16th Annual Mtg, May, 1997; #330:pg 167 (presented).

34. Nickerson P, Jeffery J, Gough J, McKenna R, **Grimm P**, Rush D. "Early Predictors (0-6 Months) of Decreased Renal Function 24 Months Post Transplant." ASTP 16th Annual Mtg, May, 1997; #611:237 (presented).

35. Brophy P, Gough J, Liu B, Ogborn, Savani RC, and **Grimm PC**. "The Expression of the Receptor for Hyaluronin-Mediated Motility (RHAMM) and Alpha-Smooth Muscle Actin in Glomerulonephritis." ASN, November, 1997(presented); JASN, 1997; 8: 512A.

36. Nickerson P, Gough J, **Grimm P**, McKenna R, Jeffery J, Birk P, Rush D. "PCNA positive mononuclear cells in a 6 month protocol biopsy associated with long-term allograft function." ASTP 17th Annual Meeting Transplantation 1998; 65 supp: 134.

37. McKenna R, Thorne-Tjomsland G, Jamieson J, Boyaniwsky T, **Grimm P**, Nickerson P, Gough J, Jeffery J, Rush D. "Increased levels of alpha-2,6-sialyltransferase pre transplant predict delayed graft function in kidney transplants." ASTP 17th Annual Meeting Transplantation 1998; 65 supp: 227.

38. **Grimm P**, Nickerson P, McKenna R, Jeffery J, Birk P, Gough J, Rush D. "Banff chronic rejections scores in human protocol renal biopsies. Poor correlation between individual serial scores." 3rd International Congress of Pediatric Transplantation. (presented) Pediatric Transplantation 1998; 2 supp 1: 82.

39. Birk P, Hills K, **Grimm PC**, Nickerson P, Rush d, Chen S, Apasova E, Chavers B, Kashtan C, Matas A. "Acute renal allograft rejection (AR) is associated with vascular expression of fibrogenic genes. 31st Annual Meeting of the American Society of Nephrology, October, 1998 (presented); JASN, 1998; 9: 646A.

40. **Grimm PC**, Russell M, McKenna R, Rush D, Jeffery J, Lui B, Stern E, Birk P, Gough J, Nickerson P. "Allograft inflammatory factor-1 expression separates clinical from subclinical rejection in renal transplant biopsies" 31st Annual Meeting of the American Society of Nephrology, October, 1998 (presented); JASN, 1998; 9: 650A.

41. **Grimm PC**, Nickerson P, Jeffery J, McKenna R, Benzik S, Stern E, Birk P, Gough J, Rush D. "Quantitation of fibrosis in 6 month protocol transplant biopsies predicts outcome." 31st Annual Meeting of the American Society of Nephrology, October, 1998 (presented); JASN, 1998; 9: 676A.

42. Nickerson P, , Jeffery J, Gough J, **Grimm P**, Birk P, McKenna R, Rush D. Increasing baseline immunosuppression decreases clinical but not subclinical rejection. XV International Congress of Nephrology in Buenos Aires, Argentine, May 1999

43. Nickerson P, , Jeffery J, Gough J, **Grimm P**, Birk P, McKenna R, Rush D. Late clinical rejection episodes are predicted by early immune and non-immune events. XV International Congress of Nephrology in Buenos Aires, Argentina, May 1999

44. Nickerson P, Gough J, **Grimm P**, McKenna R, Jeffery J, Birk P, Rush D. "PCNA positive mononuclear cells in a 6 month protocol biopsy associated with long-term allograft function." ASTP 17th Annual Meeting Transplantation 1998; 65 supp: S58.

45. **Grimm P**, Jeffery J, Nickerson P, McKenna R, Benzik S, Gospodarek E, Birk P, Gough J, Rush D. "In 6 month protocol renal transplant biopsies, longterm allograft outcome is predicted by using the Banff chronic score or quantitation of fibrosis using image analysis of sirius red staining". AST 18th Annual Meeting Transplantation 1999; 67 (7) S56.

46. Rush D, Jeffery J, Gough J, **Grimm P**, Birk P, McKenna R, Nickerson P. "Increasing baseline immunosuppression decreases clinical but not subclinical rejection". AST 18th Annual Meeting Transplantation 1999; 67 (7) S28.

47. Birk P, Ogborn, M, Hills K, Nitschmann E, Cheang M, **Grimm P**, Nickerson P, Rush D, Williot P. "Metabolic derangements following experimental renal ischemia/reperfusion injury: A direct comparison of cold and warm ischemia". AST 18th Annual Meeting Transplantation 1999; 67 (7) S78.

48. Rush D, Jeffery J, Gough J, **Grimm P**, Birk P, McKenna R, Nickerson P. "Identification of early immune and non-immune events as risk factore for late clinical rejection". AST 18th Annual Meeting Transplantation 1999; 67 (7) S86

49. Sherbotie J, Bunchman T, Navarro M, Broyer M, Chavers B, Tonshoff B, **Grimm P**, Lerner G, Lirenman D, Greenbaum L, Walker R, Zimmerhackl L, Blowey D, Clark G, Ettenger R, Ramos E. "Mycophenolate mofetil (MMF) oral suspension in pediatric renal transplantation". AST 18th Annual Meeting Transplantation 1999; 67 (7) S125.

50. Brophy PD, Savani RC, Drews T, Gough J, Kershaw DB, **Grimm PC**. Expression of the receptor for hyaluronan mediated motility and alpha-smooth muscle actin in a prospective human renal biopsy cohort. JASN 1999;10:568A

51. **Grimm PC**, Nickerson P, Jeffery J, Savani R, Gough J, McKenna R, & Rush DN. "Infiltration of recipient mesenchymal cells into the donor neointimal, perivascular and tubulointerstitial compartments in human chronic renal allograft rejection". First Joint Meeting of AST and ASTS. Transplantation 2000; 69 (8) S223.

52. Cohn RA, Sherbotie JR, **Grimm PC**, Leone J, Taylor R, Somerville T, Lemire J. "Basiliximab (Simulect) dramatically reduces acute rejection after pediatric kidney transplantation". First Joint Meeting of AST and ASTS. Transplantation 2000; 69 (8) S260-1.

53. **Grimm PC**, Nickerson P, Jeffery J, McKenna R, Gough J, & Rush DN. "Protocol biopsy prediction of long term renal allograft survival: Using computerized image analysis of sirius red stained fibrosis". First Joint Meeting of AST and ASTS. Transplantation 2000; 69 (8) S363.

54. Cohn RA, Sherbotie JR, **Grimm PC**, Lemire, J. Leone J, Taylor R, Somerville T, Lemire J. "Basiliximab (Simulect) dramatically reduces acute rejection after pediatric kidney transplantation". International Pediatric Transplant Association. Pediatric Transplantation 2000; 4 Sup2 p90

55. Benador N, **Grimm PC**, Lavine J, Rosenthal P, Reznik V, and Lemire J. Transjugular intrahepatic portosystemic shunt (TIPS) in a dialysis patient with ARPKD and portal hypertension (PH) : a case report. 21st Annual Conference on Dialysis (Orlando Florida 2001)

56. Benador N, **Grimm PC**, MacDonald D, Lemire J, Reznik V, Mendoza S, Mehta R. Regional Anticoagulation with Trisodium Citrate for Pediatric Continuous Venovenous Hemodiafiltration (CVVHDF). Blood Purif 2001;19:341

1. Benador N, **Grimm PC**, MacDonald D, Lemire J, Reznik V, Mendoza S, Mehta R. Pediatric Continuous Renal Replacement Therapy (CRRT) with Citrate Anticoagulation in San Diego:Outcome of 31 Patients. Blood Purif 2001;19:340

58. **Grimm PC**, Sund S, Reisæter A, Nickerson P, Jeffery J, Rush DN, and Hovig T. Computerized image analysis of sirius red stained interstitial surface area in a cohort of baseline and one year protocol renal allograft biopsies. Sixth Banff Conference on Allograft Pathology. April 21-28, 2001. Banff, Alberta Canada.

59. **Grimm PC**, Nickerson P, Jeffery J, Savani R, Gough J, McKenna R, & Rush DN. Infiltration of recipient mesenchymal cells into the donor tubulointerstitial compartment is correlated with human chronic renal allograft nephropathy. Sixth Banff Conference on Allograft Pathology. April 21-28, 2001. Banff, Alberta Canada.

60. Pape L, Henne T, Offner G, Strehlau J, Ehrich JHH, Mengel M, **Grimm PC**. Computer-assisted-quantification of fibrosis in Chronic Allograft Nephropathy by PicroSirius Red. Ped. Neph. 2003 18;15:P109

1. Lemire J, Benador N, **Grimm P**, Reznik V, Mendoza S, Ferrara E, Macdonald D, Caparelli E. C2 is a poor redictor of cyclosporine area-under-the-curve [AUC] in pediatric renal transplant recipients. Ped. Transpl. 2003, 7;S4:A212
2. R A McDonald , M McIntosh, D Stablein, **P Grimm**, R Wyatt, M Arar, D Lirenman, N Bridges and W Harmon. Increased incidence of PTLD in Pediatric Renal Transplant Recipients enrolled in a Randomized controlled trial of Steroid withdrawal: A Study of the CCTPT. AMERICAN JOURNAL OF TRANSPLANTATION Volume: 5 Supplement: 11 Pages: 418-418 Meeting Abstract: 1028 Published: MAY 2005
3. Ricardo Munoz Arizpe, Robert Wyatt, Paul Grimm, Robert Fennell, John Herrin, David Lirenman, Ruth McDonald, Asher Schachter, Mark Benfield. Sirolimus Pharmacokinetics in Pediatric Renal Transplant Patients Receiving Calcineurin Inhibitor Co-Therapy. AMERICAN JOURNAL OF TRANSPLANTATION Volume: 5 Supplement: 11 Pages: 402-403 Meeting Abstract: 968 Published: MAY 2005
4. Robert S Mathias, Marilyn McEnhill, Jessica Lowe, Peter G Stock, **Paul C Grimm**, Syed Kamal. The effectiveness of leflunomide for BK polyoma infection/nephropathy (BKPIN) in pediatric kidney transplantation. The 2006 World Transplant Congress, Boston Mass. July 22-27, Boston, MA
5. Sun-Young Ahn, **Paul Grimm**, Stanley Mendoza, Nadine Benador, George Kaplan, Vivian Reznik. Chronic Kidney Disease (CKD) in VATER Association: Clinical Course, Treatment and Outcome. SA-PO1084 Nov. 2006 American Society of Nephrology, San Diego JASN 2006;17:801A
6. L Li, O Salvatierra, W Concepcion, C Wong, S Alexander, **P Grimm**, J Martin and Minnie Sarwal: EXTENDED ENROLLMENT AND ANALYSIS OF A PROSPECTIVE STEROID-FREE IMMUNOSUPPRESSION TRIAL SUPPORTS STUDY SAFETY AND EFFICACY. June 2008, American Transplant Congress. Toronto, Ont., Canada
7. Elizabeth Talley, **Paul Grimm**: Ethnic Differences in Rates of Post-Transplant Fibrosis in Protocol Renal Allograft Biopsies. NIH SUMMIT: THE SCIENCE OF ELIMINATING HEALTH DISPARITIES DECEMBER 15 - DECEMBER 18, 2008. National Center on Minority Health and Health Disparities, NIH. National Harbor, Maryland, USA
8. A.B. Farris, C.D. Adams, N. Brousaides, P.A. Della Pelle, A.B. Collins, E Moradi, **P.C. Grimm**, and R.B. Colvin. Novel subtraction morphometry technique for assessing fibrosis in renal biopsies 2009 Banff Conference on Allograft Pathology, Banff, Alberta, Canada
9. Garro R, Moradi E, Kambham N, **Grimm PC**. Development of Computerized Image Analysis to Enhance the Reliability and Reproducibility of Renal Allograft Rejection Quantitation. American Journal of Transplantation 2010; 10 (Supplement 4): 43.
10. Talley E, Moradi E, Bhamre S, **Grimm PC**, Kambham N. Ethnic Differences in Rates of Peritubular Capillary Dropout in Post- Transplant Fibrosis Observed in Protocol Renal Allograft Biopsies. American Journal of Transplantation 2010; 10 (Supplement 4): 341.
11. Langman CB, Greenbaum LA, Sarwal MM, Grimm PC Niaudet P. A Randomized Controlled Crossover Trial for Nephropathic Cystinosis Demonstrates a Twice Daily Gastroresistant Cysteamine is Not Inferior to Every Six Hour Cystagon. American Society of Nephrology 2011
12. Gia J. Oh, MD, **Paul C. Grimm, MD** and Neeraja Kambham, MD. Tubulointerstitial Inflammation in Lupus Nephritis. American Society of Nephrology, San Diego, CA, Nov 1-4, 2012
13. CB Langman, C Hann, LA Greenbaum, **PC Grimm**, PR Niaudet, G Deschenes, D Morin, E Cornelissen, P Cochat, E Elenberg, H Price, MJ Bagger, and P Rioux. Extended Treatment with RP103 (Procysbi™) in Patients with Nephropathic Cystinosis. American Society of Nephrology, San Diego, CA, Nov 1-4, 2012
14. Axelrod DM, Anglemyer A, Sherman-Levine S,Zhu A, **Grimm P**, Roth SJ, Sutherland SM. Initial experience using aminophylline to modulate renal dysfunction in the pediatric cardiovascular intensive care unit. Pediatric Cardiac Intensive Care Society 9th International Conference, Dec 9-12, 2012, Miami Beach, Florida
15. CB Langman, C Hann, LA Greenbaum, **PC Grimm**, PR Niaudet, G Deschenes, D Morin, E Cornelissen, P Cochat, E Elenberg, H Price, MJ Bagger, and P Rioux. Extended Treatment of Patients with Cystinosis and CKD with RP103 Demonstrates Efficacy and Safety. International Pediatric Nephrology Association, Shanghai, China, September, 2013
16. Heather Hilary Ward, **Paul C. Grimm** and Angela Wandinger-ness. H2-Relaxin Modulates Expression of Fibrosis-Related Genes in Normal and Cystic Human Renal Epithelial Cells. American Society of Nephrology, Atlanta, GA, Nov 6-10, 2013
17. Sharon F. Chen, Malaya K. Sahoo, Fiona Yamamoto, Kalyan Mallempati, Lynn Kjelson, Matthew W. Anderson, MD, Amy Gallo, Paul Grimm, Waldo Concepcion, Benjamin a. Pinsky, Beatrix Kapusinszky, and Katie Concepcion. BK Virus Genetic Changes in Pediatric Kidney Transplant Patients with Prolonged BK Viral Load. Infectious Disease Week 2014
18. P. Rao, Y. Korin, B. Warshaw, M. Sarwal, E. Tsai, R. Ettenger, P. Grimm, D. Ikle, T. Sledge, A. Kirk, E. Reed. HLA and MICA Alloantibody Profiling in Pediatric Renal Transplant Recipients: Report From The Clinical Trials in Organ Transplantation in Children (CTOTC-02). World Transplant Congress, San Francisco, CA, July, 2014.
19. Paul Grimm, Craig B. Langman, Pierre Cochat, Denis Morin, Elisabeth Elenberg, Larry Greenbaum, Patrick Niaudet, Gregg Checani. Delayed-Release Cysteamine in Nephropathic Cystinosis Patients After Renal Transplant: A Subgroup Analysis. European Renal Association/European Dialysis & Transplant Association, Vienna, Austria, May 21-24, 2016
20. R. Ettenger, H. Chin, **P. Grimm**, K. Kesler, E. Reed, M. Sarwal, B. Warshaw, E. Tsai, A. Kirk. Low Pretransplant BMI/Weight and Changes in Posttransplant T Cell Exhaustion Levels Are Associated with Viremia/Viral Infection in Pediatric Kidney Transplantation in the First Post-Transplant Year – A Report from the IMPACT Study Consortium. American Transplant Congress. Boston, MA, June 2016
21. Langman, C. B., L. Greenbaum, **P. Grimm**, E. Elenberg, G. Deschenes, P. Niaudet, D. Morin, and G. Checani. "A Pragmatic Trial of Delayed-Release Cysteamine Bitartrate in Children Less Than 6 Years Old with Cystinosis." *Nephrology Dialysis Transplantation* 31 (May 2016): 330-31. <Go to ISI>://WOS:000376653801207.
22. Ettenger, R., H. Chin, K. Kesler, B. Warshaw, **P. Grimm**, E. Tsai, M. Sarwal, and A. Kirk. "Prospecitive T Cell Immunophenotyping Identifies Different Mechanisms Asscoaited with Biopsy Proven Rejection Vs. Donor Specific Antibody : A Report from the Impact Study Consortium." *Pediatric Nephrology* 31, no. 10 (Oct 2016): 1936-36. <Go to ISI>://WOS:000382082600656.
23. Ruano, R., T. N. Dunn, Y. J. Blumenfeld, Mclm de la Penha, C. J. Koh, J. Angelo, **P. Grimm,** S. R. Hintz, D. R. Roth, S. Welty, M. C. Braun, and M. A. Belfort. "Predicting Severe Pulmonary Hypoplasia in Lower Urinary Tract Obstruction Using Fetal Lung Area." *American Journal of Obstetrics and Gynecology* 216, no. 1 (Jan 2017): S102-S02. <Go to ISI>://WOS:000414256401103.
24. Stoltz, D., A. Brubaker, A. Chaudhuri, **P. Grimm**, W. Concepcion, and A. Gallo. "Superior Long-Term Hypertension Management in Pediatric Kidney Transplant Recipients with Bilateral Native Nephrectomies." *American Journal of Transplantation* 17 (Apr 2017): 762-63. <Go to ISI>://WOS:000404515704461.
25. Stoltz, D. J., A. Brubaker, L. Maestretti, A. Chaudhuri, **P. Grimm**, W. Concepcion, and A. Gallo. "Superior Long-Term Hypertension Management in Pediatric Kidney Transplant Recipients with Bilateral Native Nephrectomies." *Pediatric Transplantation* 21 (May 2017): 70-71. <Go to ISI>://WOS:000416672100216.
26. Dokras, A., M. Pearl, J. Peipert, **P. Grimm**, B. Warshaw, E. Chambers, A. Kirk, and R. Ettenger. "Assessment and Outcomes of Medication Nonadherence in Pediatric Kidney Transplant Recipients: Results from the Impact Study." *American Journal of Transplantation* 18 (Jun 2018): 338-39. <Go to ISI>://WOS:000431965401232.
27. Fajardo, C., **P. Grimm**, N. Kambham, G. Nolan, N. Samusik, and J. Maltzman. "Multiplexed Immunofluorescence to Investigate the Immune Response to Bk Virus in Pediatric Kidney Transplant Recipients." *American Journal of Transplantation* 18 (Jun 2018): 833-33. <Go to ISI>://WOS:000431965403314.
28. Kuo-Kai Chin, Vivek Charu, Michelle M. O'Shaughnessy, **Paul C. Grimm**, Megan L. Troxell, Xingxing S. Cheng: Non-lupus Immune-Complex Glomerulonephropathy (ICGN) after Kidney Transplantation:  
    A report of 13 cases. Presented at American Society of Nephrology Meeting, San Diego, October 2018.
29. Adult-Sized Kidneys Transplanted into Infants and Small Children: Outcomes after Implementing Aggressive Fluid Regimen and Medications to Support Post- Transplant Perfusion. Vaka Sigurjonsdottir, **Paul Grimm**, Abanti Chaudhuri. American Transplant Congress meeting in Seattle, June 2018.
30. De Novo Donor Specific Antibodies in Pediatric Kidney Transplant Recipients Are Highly Responsive to Therapy. Vaka Sigurjonsdottir, **Paul Grimm**. American Society of Nephrology meeting in San Diego, October 2018.
31. De Novo C1q Antibodies as a Noninvasive Surrogate Biomarker Guiding Immunosuppressive Therapy in Pediatric Renal Transplant Recipients. Oral Presentation at the Best Research Session for the International Pediatric Transplant Association (IPTA) Congress, Vancouver Canada, May 2019.
32. De Novo C1q Antibodies as a Noninvasive Surrogate Biomarker Guiding Immunosuppressive Therapy in Pediatric Renal Transplant Recipients. Oral Presentation at the Young Investigator Oral Communication Session American Transplant Congress (ATC), Boston USA, June 2019.
33. Angiotensin II Type 1 Receptor Antibodies are Associated with Younger Age and Renal Dysfunction in Pediatric Kidney Transplantation. Meghan Pearl, Eileen Tsai Chambers, Allan Kirk, Rouba Garro, Barry Warshaw, **Paul Grimm**, Robert Ettenger, Elaine Reed. Oral Presentation American Transplant Congress (ATC), Philadelphia USA, June 2020
34. Improving Vaccination Rates for Influenza and Pneumococcal Disease in Pediatric Kidney Transplant Recipients. A.McGrath, J.Baquir, L.Maestretti, G.James, K.DiNello, M.Patton, A.Fong, V. Sigurjonsdottir, **P.Grimm**, A.Chaudhuri. Poster Presentation American Transplant Congress (ATC), Philadelphia USA, June 2020
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