CURRICULUM VITAE

Name:	**Marc L. Melcher, MD, PhD**
Current Position:	Assistant Professor, MCL Program Director, General Surgery Residency Stanford University Medical Center Division of Abdominal Transplantation Department of Surgery
Work Address:	Stanford University Medical Center 750 Welch Road Suite 200 - MC 5785 Palo Alto, CA 94304-1510 Tel: (650) 498-5688 Fax: (650) 723-3997 Cell: (650) 384-5316

Employment

Acting Assistant Professor of Surgery Stanford University School of Medicine	08/01/2006 – 02/28/2007
Assistant Professor of Surgery Stanford University School of Medicine	03/01/2007 –

Appointments and Positions

Associate Program Director of Stanford General Surgery Residency Program, 2006-2011.

Associate Program Director of Stanford Multiorgan Transplant Fellowship, 2010-.

Associate Member of Stanford Institute for Immunity, Transplantation, and Infection.

Physician Council, Executive Committee of *The Paired Organ Donor Network*, 2007-11

Freshman Advisor, Stanford University 2008 - 2009.

Invited Reviewer for *Sabiston Textbook of Surgery*. 18th ed 2008.

Faculty Advisor for *Organ Donor Education Group*, Stanford University undergraduates, 2008-.

Member of Vanguard Committee of the American Society of Transplant Surgeons: 2009-12.

Member of the 2011 ASTS Winter Symposium Planning Committee, 2010-2011.

Member of the 2012 ASTS Winter Symposium Planning Committee, 2011-2012.

Member of the 2013 ASTS Winter Symposium Planning Committee, 2012-2013.

Member of the ASTS Curriculum Committee, 2012-2013.

Program Directory, San Francisco Surgical Society. 2010-2011.

Member of the *California Altruistic Living Donor Registry* Working Group: 2/2011 –

Board Member, National Kidney Registry: 2011-

Chairman of National Kidney Registry Research Committee: 2011-.

Program Director, Stanford General Surgery Residency Program: 2011**-.**

Surgical Council, Stanford Surgery: 2011-

Co-chair and Organizer of the National Kidney Paired Donor Consensus Conference: Washington, DC. March 28-29, 2012.

Faculty at the 2012 American Transplant Congress. Boston, MA June 3-4, 2012.

Education and Training

1985-1989	Harvard College, Cambridge, MA	BA	*magna cum laude*, Biochemistry
1989-1995	University of California, Berkeley	PhD	Molecular and Cellular Biology
1995-1999	Columbia College of Physicians and Surgeons	MD	*Alpha Omega Alpha*
1999-2000	Stanford University Medical Center	Intern	Surgery
2000-2003	Stanford University Medical Center	Resident	Surgery
2003-2004	Stanford University Medical Center	Administrative Chief Resident	Surgery
2004-2006	University of California, San Francisco	Fellow, Clinical Instructor	Transplant Surgery

Licenses, Certification

2000 Medical License, California (A73407).
2006 General Surgery, Board Certified (#51088).
2006 Certified for Kidney, Liver, and Pancreas Transplantation by the *American Society of Transplant Surgeons*.

Honors and Awards

1985	IBM Thomas J. Watson Scholarship
1988	Harvard College Scholarship
1989	*Magna cum laude*, Harvard College
1990	U.S. Public Health Service Predoctoral Traineeship GM07232
1999	Milton B. Rosenbluth Travel Fellowship, Kenya.
1999	*Alpha Omega Alpha*, Columbia College of Physicians and Surgeons
2003-2004	Administrative Chief Resident, Surgery, Stanford Medical Center
2009	Chair of "Concurrent Session 45: Kidney Living donor Paired Exchange/donor chains" at American Transplant Congress, Boston, June 1, 2009.
2010	Poster of Distinction, American Transplant Congress, San Diego. 2010.
2011	Moderator of "Oral Abstract Session" at the American Society of Transplant Surgeons Winter Symposium, Hollywood, Fl. June 15, 2011.
2011	Co-moderator of "Immunity, Transplantation and Tissue Engineering" Session of *The Surgical Forum*, San Francisco, CA. October 25, 2011.
2012	Co-moderator of Mini-Debates. "The IVC and Liver Transplantation" and "Diabetic with a Live Donor." American Society of Transplant Surgeons Winter Symposium, Hollywood, Fl. January 14, 2012.
2012-13	Selected into the Stanford Faculty Fellow Program.
2012	Moderator of "Kidney Allocation and Waitlisting" at American Transplant Congress. Boston, MA. June 4, 2012.
2013	Moderator of "Oral Abstracts II" at 13th ASTS Winter Symposium, Miami, FL. February 3, 2013.

Professional Societies

American Society of Transplant Surgeons: (2004),

- Vanguard Committee (2009-2011),
- 2011 Winter Symposium Planning Committee.
- 2012 Winter Symposium Planning Committee
- 2013 Winter Symposium Planning Committee
- 2013 Joint ASTS/NATCO Symposium Planning Committee
- Curriculum Committee (2012-13)

American College of Surgeons: Fellow of the American College of Surgeons (2009).
Association for Academic Surgery: (2007).
The Transplant Society: (2009).
San Francisco Surgical Society: (2009).

- Program Director (2010-2011).

Pacific Coast Surgical Society: (2012).

Research Interests

Paired Kidney Donation.
Obesity in the kidney and liver pre- and post-transplant populations.
Applications of mobile devices in patient education. (http://transplanttools.com).
Optimization of Surgical Education

Previous Research Experience

Physics Research (Summers 1984, 1985, 1986): Research Assistant at IBM Watson Research Center, Yorktown Hts., NY; under Drs. David Awschalom and Keith Jenkins; I interfaced laboratory equipment to IBM PCs to acquire and graphically display data points and wrote an image analysis program for the electron microscope.

Microbiology (1988-1989): Harvard University, with Prof. Howard Berg; conducted molecular research on the roles of CheY and CheZ in bacterial chemotaxis for my Senior Honors Thesis.

Molecular Signaling Mechanisms (1989-1995): PhD dissertation: "Genetic and Biochemical Characterization of a Novel Protein Kinase from *Saccharomyces cerevisiae* Structurally Similar to a Ca^{2+}/Calmodulin-Dependent Protein Kinase." 1995.

Clinical Molecular Research (1998-1999): Study of growth factor levels in cyanotic versus acyanotic infants and children with congenital heart defects with Dr. Howard Zucker (Director of the Pediatric ICU, Babies Hospital at NY Presbyterian Hospital, Columbia Campus).

Clinical Research 2004-2005: a) Series review of laparoscopic donor nephrectomies at UCSF. b**)** Series review of bile duct complications in Adult-to-Adult living donor liver transplants.

Peer Reviewed Publications

1. **Melcher, Marc L.** & Jeremy Thorner. 1996. Identification and characterization of the *CLK1* gene product, a novel CaM kinase-like protein kinase from yeast *Saccharomyces cerevisiae. Journal of Biological Chemistry* 271(47): 29958-29968. PMID: 8939941

2. **Melcher, Marc L.** and Bassem Safadi.2003. Ileocolic intussusception in an adult. *J. Am Coll. Surg* 197(3):518. PMID: 12946809.

3. **Melcher, M.L.**, R.L. Lobato, and S.M. Wren. 2003. A novel technique to treat ruptured umbilical hernias in patients with liver cirrhosis and severe ascites. *J. Laparoendosc Adv Surg Tech A.* (5):331-2. PMID: 14617394

4. Norton, J.A., **M.L. Melcher**, F. Gibril, and R.T. Jensen. 2004. Gastric carcinoid tumors in multiple endocrine neoplasia-1 patients with Zollinger-Ellison syndrome can be symptomatic, demonstrate aggressive growth, and require surgical treatment. *Surgery*. 136(6):1267-74. PMID: 15657586

5. **Melcher, M.L.** *et al.* 2005. More than 500 consecutive laparoscopic donor nephrectomies without conversion or repeated surgery. *Arch Surg*. 140(9):835-9. PMID: 16172291.

6. Monika Tataria, MD, Rochelle A. Dicker, MD, **Marc Melcher, MD, PhD**, David A. Spain, MD, and Susan I. Brundage, MD, MPH. 2005. Spontaneous Splenic Rupture: The Masquerade of Minor Trauma. *J. Trauma* 59(9):1228-30. PMID: 16385305.

7. **Melcher, M.L.**, J. Olson, L.A. Baxter-Lowe, P.G. Stock, A.M. Posselt. 2006. Antibody-mediated rejection of a pancreas allograft. *Am. J. Transplantation* 6(2):423. PMID: 16426331. (featured in AJT Virtual Issue: Antibody-Mediated Rejection (ABMR) (http://www.amjtrans.com/view/0/virtual.html#ABMR).

8. Carter, J.T., **M.L. Melcher**, L.L. Carlson, M.E. Roland, P.G. Stock. 2006. Thymoglobulin-associated CD4+ T-cell depletion and infection risk in HIV-infected renal transplant recipients. *Am. J. Transplantation* 6(4): 753-760. PMID: 16539632. (featured in AJT Virtual Issue: Infectious Disease Issues in Organ Transplantation (http://www.amjtrans.com/view/0/virtual.html#Infectious_Disease_Issues_in_Organ_Transplantation))

9. Ladner, D., S. Busque, **M.L. Melcher**. 2008. Overcoming immunological barriers to living donor kidney transplantation at Stanford University Medical Center. *SGH Proceedings* 17(1): 9-15.

10. Hlava, N., C.U. Neimann, M.A. Gropper, **M.L. Melcher**. 2009. Analytic reviews: postoperative infectious complications of abdominal solid organ transplantation. *J. Intensive Care Medicine* 24(1):3-17. PMID: 19017663.

11. Tafti, B., M. Haghdoost, L. Alvarez L, Curet M., **Melcher M.L**. 2009. Recovery of Renal Function in a Dialysis Dependent Patient Following Gastric Bypass Surgery. *Obesity Surgery* 19(9):1335-1339. PMID: 19693639

12. Butt, F., HA Gritsch, P Shulam, G. Danovitch, A. Wilkinson, J. Del Pizzo, S. Kapur, D. Serur, S. Katznelson, S. Busque, **ML Melcher**, S. McGuire, M. Charlton, G. Hil, J. Veale. 2009. Asynchronous, Out-of-Sequence, Transcontinental Chain Kidney Transplantation: A Novel Concept. *Am J. Transplantation*. 9:2180-2185. PMID: 19563335
(featured in AJT Virtual Issue*: Living Liver and Kidney Donation* - http://www.amjtrans.com/view/0/virtual.html#Living_Liver_and_Kidney_Donation)

13. **Melcher ML**, JJ Pomposelli, JE Verbesey, RA McTaggart, CE Freise, NL Ascher, JP Roberts, and EA Pomfret. Comparison of Biliary Complications in Adult Living-Donor Liver Transplants Performed at 2 Busy Transplant Centers. *Clin Transplant.* 2010 Sep-Oct;24(5):E137-44. PMID: 20047615.

14. **Melcher ML**, CE Friese, NL Ascher, and JP Roberts. Outcomes of Surgical Repair of Bile Leaks and Strictures After Adult-to-Adult Living Donor Transplant. *Clinical Transplantation.* 2010 Nov; 24(6):E230-5. PMID: 20529098

15. Virgilio C, A Yaghoubian, A Kaji, JC Collins, K Deveney, M Dolich, D Easter, OJ Hines, S Katz, T Liu, A Mahmoud, **ML Melcher**, S Parks, M Reeves, A Salim, L Scherer, D Takanishi, K Waxman. Predicting Performance on the American Board of Surgery Qualifying and Certifying Examinations. *Arch Surg*. 2010;145(9):852-856. PMID: 20855755.

16. Lamba M, Tafti B, **Melcher M**, Chan G, Krishnaswami S, Busque S. Population Pharmacokinetic Analysis of Mycophenolic Acid Coadministered With Either Tasocitinib (CP-690,550) or Tacrolimus in Adult Renal Allograft Recipients. *Ther Drug Monit*. 2010 Dec (6):778-81. PMID: 20926996

17. Morrow EH, Gallo AE, **Melcher ML**. Sclerosing Peritonitis after Kidney Transplantation: A Not-So-Silky Cocoon. *Dig Dis Sci.* 2011 Feb; 56(2):307-310. PMID: 21063775

18. Segev DL, Veale JL, Berger JC, Hiller JM, Hanto RL, Leeser DB, Geffner SR, Shenoy S, Bry WI, Katznelson S, **Melcher ML**, Rees MA, Samara EN, Israni AK, Cooper M, Montgomery RJ, Malinzak L, Whiting J, Baran D, Tchervenkov JI, Roberts JP, Rogers J, Axelrod DA, Simpkins CE, Montgomery RA. "Transporting Live Donor Kidneys for Kidney Paired Donation: Initial National Results." *Am J Transplant*. 2011 Feb; 11(2):356-360. PMID: 21272238

19. Amy Lightner, James Lau, Patricia Obayashi, MS, RD, Kristine Birge, **Marc L. Melcher**. "Potential Nutritional Conflicts in Bariatric and Renal Transplant." *Obesity Surgery*, 2011 Apr 28. [Epub ahead of print]. PMID: 21526378

20. Debbie A. Mast, William Vaughan, Stephan Busque, Jeff L. Veale,John P. Roberts, Barry M. Straube, Nanci Flores, Charlotte Canari, Elaine Levy, Andrea Tietjen, Garet Hil, **Marc L. Melcher**. "Managing Finances of Shipping Living Donor Kidneys for Donor Exchanges." *Am J Transplant*. 2011 Sep 9. PMID: 21831153

21. Anand S, Yabu JM, **Melcher ML**, Kambham N, Laszik Z, Tan JC. Cytomegalovirus in the transplanted kidney: a report of two cases and review of prophylaxis. *Nephrology Dialysis Transplantation* Plus 2011; 4(5):342-345. 2011-09-28.

22. Kim IK, Tan JC, Lapasia J, Elihu A, Busque S, **Melcher ML**. "Incidental kidney stones: a single center experience with kidney donor selection." *Clin Transplant.* 2012 Jul; 26(4):558-63. PMID: 22168332.

23. Munoz Mendoza J, **Marc L. Melcher**, Bruce Daniel, and Jane C. Tan. "Multiple renal arteries and non-contrast magnetic resonance angiography in transplant renal artery stenosis: Case report and incidence review." *Clin Kidney J* (2012) 5: 272–27. 3 June 2012.

24. **Melcher ML**, Leeser DB, Gritsch HA, Milner J, Kapur S, Busque S, Roberts JP, Katznelson S, Bry W, Yang H, Lu A, Mulgaonkar S, Danovitch GM, Hil G, Veale JL**.** "Chain Transplantation: Initial Experience of a Large Multicenter Program." *American Journal of Transplantation.* 12(9):2429-2436. 2012 Sep. (featured on the journal cover). PMID: 22812922.

25. Timothy A. Plerhoples, RS Greco, TK, **ML Melcher**. "Symbiotic or Parasitic? A Review of the Literature on the Impact of Fellowships on Surgical Residents." *Annals of Surgery*, 2012 Dec. 256(6):904-8. PMID: 22968071.

26. Yaghoubian A, Galante J, Kaji A, Reeves M, **Melcher M**, Salim A, Dolich M, de Virgilio C. "General Surgery Resident Remediation and Attrition: A Multi-Institutional Study." *Arch Surg.* 1 Sep 2012; 147(9):829-33. PMID: 22987173.

27. Zachary Kastenberg, K. Rhoads, **ML Melcher**, S Wren. "The Influence of Intern Home Call on Objectively Measured Perioperative Outcomes." *Arch Surg.* 2012 Dec 17:1-5. PMID: 23247836.

28. **Melcher ML** *et al*. "Kidney Transplant Chains Amplify Benefit of Non-Directed Donors." *Arch Surg*. In press.

29. Babak Hajhosseini, Bryan Stewart, Jane C. Tan, Stephan Busque**, Marc L. Melcher**. "Evaluating deceased donor registries: identifying predictive factors of donor designation." *American Surgeon*. In press.

30. JM Yabu, MJ Pando, S Busque, **ML Melcher**. "Desensitization Combined with Paired Exchange Leads to Successful Transplant in Highly Sensitized Kidney Transplant Recipients: Strategy and report of Five Cases." *Transplant Proceedings*. Jan 2013. 45(1):82-87. PMID: 23375278.

Non-peer-Reviewed Publications

Melcher, Marc L., SY Kong, T. Makki, Daniela Ladner. "Paired exchange kidney donation & donor chains in kidney transplantation," http://knol.google.com/k/marc-l-melcher/paired-exchange-kidney-donation-donor/czh9hg01w684/1#

Book Chapters (3 published)

1. **Marc L. Melcher**, M. Pausch, and J. Thorner. "ScCaMKII CaM-dependent PKII (*S. cerevisiae)." Protein Kinase Factbook*. (1995). Academic Press, London. ed. DG Hardie & SK Hanks, Academic Press.

2. **Marc L. Melcher** and John P. Roberts. "Risks and Outcomes of Pediatric Liver Transplantation." *Pediatric Transplantation*, 2nd edition. (2007). Blackwell. London.

3. Stephan Busque, **Marc L. Melcher**, Dev M. Desai, Carlos O. Esquivel. "Liver/Kidney Transplantation." *Anesthesiologist's Manual of Surgical Procedures*, 4th edition. (2009). Lippincott Williams & Wilkins. Philadelphia, PA. ed. RA Jaffe & SI Samuels.

Online References

1. **Marc L. Melcher** and Glen Lutchman. "Non-alcoholic Steatohepatitis and Liver Transplantation." ASTS Academic Universe. 2011.

2. **Marc L. Melcher** and Alan Leichtman. "AST Webinar: 2012 KPD Consensus Conference Overview."

Presentations (17 total)

National:

1. "Gastric carcinoid tumors in multiple endocrine neoplasia-1 patients with Zollinger-Ellison syndrome can be symptomatic, demonstrate aggressive growth, and require surgical treatment." 25th Annual Meeting of the American Association of Endocrine Surgeons, Charlottesville, Virginia. April 5, 2004.

2. "525 consecutive laparoscopic donor nephrectomies without conversion or reoperation," oral paper, Pacific Coast Surgical Association, Laguna Niguel, CA. February 19, 2005.

3. "Biliary anatomy is a determinant of bile duct complications in adult living donor liver transplantation." World Transplant Congress, Boston, MA. July 26, 2006.

4. "Recipient and Donor Education in Paired Donor Transplantation." Paired Donor Network Training Conference. Orlando, Fl. February 7, 2009.

5. “Living Donor Kidney Transplantation: An opportunity to transplant the otherwise untransplantable.” The 10th Annual Innovations in Transplantation and the Treatment of Complex Medical Conditions. San Diego, CA. March 5, 2009.

6. “Surgically Difficult Kidney/Pancreas Cases” 11th Annual ASTS Winter Symposium. Hollywood, FL. January 15, 2011.

7. “Kidney Transplant Chains Amplify Benefit of Non-Directed Donors.” oral paper, Co-authors: J Veale, D Leeser, B Javaid, C Davis, G Hil, J Milner. 2012 Pacific Coast Surgical Association. Napa Valley, CA. February 19, 2012.

8. “General Surgery Resident Remediation and Attrition: A Multi-Institutional Study.” [role of closer] 2012 Pacific Coast Surgical Association. Napa Valley, CA. February 20, 2012.

9. “Implementing Kidney Paired Exchange.” National KPD Consensus Conference. Washington, DC. March 29, 2012.

10. “Efficient Use of Unstandardized Virtual Crossmatching Enables Transplants through Multicenter Kidney Paired Donation.” Plenary talk. American Transplant Congress, Boston, MA. June 3, 2012.

11. “The Best and Worst Aspects of Our Program.” Sunrise Symposium, “Kidney Paired Donation: Lessons, Finances, and Progress.” American Transplant Congress, Boston, MA. June 4, 2012.

12. “Competition is the American Way: The Benefits of Multiple Kidney Paired Donor Programs in the USA.” 13th Annual ASTS Winter Symposium. Miami, FL. February 1, 2013.

<u>International:</u>

1. "Overcoming immunological barriers to living donor kidney transplantation." Symposium. SGH 16th Annual Scientific Meeting, Singapore. April 29, 2007.

2. "Brave New World: Progress and problems in multiorgan transplantation." Plenary Session. SGH 16th Annual Scientific Meeting, Singapore. April 29, 2007.

Local:

1. "Laparoscopic donor nephrectomies at UCSF," Surgical Grand Rounds, UCSF. San Francisco, CA. June 1, 2005.

2. "Overcoming Barriers to Kidney Transplantation." Surgery Grand Rounds, Stanford University. October 30, 2007.

3. "Clinical Overview of Kidney Transplantation." Nursing Teaching Day. Stanford University Medical Center. November 9, 2007.

4. "Paired Organ Donation." National Kidney Foundation, CME Series. Sacramento CA. September 8, 2008.

5. "Paired Organ Donation." National Kidney Foundation, CME Series. Burlingame, CA. September 9, 2008.

6. "Decision Analysis in Organ Transplantation." Seminars in Decision and Risk Analysis, Stanford University. October 30, 2008.

7. "Getting to Transplant." Bay Area Association of Kidney Patients Meeting. Palo Alto, CA. January 11, 2009.

8. "A Strategy for Transplanting Patients with Healthy but Immunologically Incompatible Donors." Surgery Grand Rounds. Stanford University. Nov 17, 2009.

9. "Overview of Kidney Transplantation." Stanford Urology Resident Education. Stanford University. August 27, 2010.

10. Surgery Residency Core-Course – Kidney Transplantation. Stanford University. March 13, 2012.

11. "Complex Decision Making in Living Donor Chains." Lessons in Decision Making Seminar, Stanford University. May 14, 2012.

Abstracts (24 total)

1. **Melcher, ML**, J Thorner. Gordon Conference on Calcium Signaling, 1993. Henniker, NH.

2. Carter, J.T., **M.L. Melcher**, L.L. Carlson, M.E. Roland, CE Friese, R Hirose, P.G. Stock. Safety and efficacy of thymoglobulin in HIV-positive renal transplant recipients. *American Journal of Transplantation*, 5:547 Suppl. May 2005.

3. **Melcher, ML**, RA McTaggart, D Macleod, CE Freise, NL Ascher, and JP Roberts. "Outcomes of Surgically Managed Bile Duct Complications After Living Donor Liver Transplantation." World Transplant Congress, July 22-27, 2006, Boston, MA. *Transplantation* 82 (1), 839.

4. Amy E. Gallo, Deepthy Damien, Tami J. Daugherty, Clark A. Bonham, Jason Vanetta, Waldo Concepcion, Carlos O. Esquivel, and **Marc L. Melcher**. "Pre-Transplant Viral Load Predicts Mortality after Retransplantation for Recurrent Hepatitis C." ASTS 8th Annual State of the Art Winter Symposium, January 26, 2008, Marco Island, FL.

5. Tami J. Daugherty, Deepthy Damien, C. Andrew Bonham, Daniela Ladner, Waldo Concepcion, Carlos O. Esquivel, **Marc L. Melcher**. "Anti-Thymocyte Globulin Induction and Steroid Minimization Reduces Rate of Rejection in HCV Liver Transplant Patients." ASTS 8th Annual State of the Art Winter Symposium. January 26, 2008, Marco Island, FL.

6. Debra Mast, Stephan Busque, Kim Standridge, **Marc L. Melcher**. "Optimizing Financial Management for Paired-Donor Exchanges", OPTN/UNOS Transplant Administrators Meeting, April 22, 2009, Seattle, WA.

7. **Marc L. Melcher**, D. Mast, K. Standridge, S. Goldberg, C. Moyle, N. Flores, S. Busque. "Accounting for Donor Charges in Kidney Donor Chains" American Transplant Congress, May 30-June 3, 2009, Boston, MA. *American Journal of Transplantation*, 9:435-436 Suppl. 2 2009.

8. Fauzia K Butt, H Albin Gritsch, Peter Schulam, Suzanne McGuire, Gabriel Danovitch, Alan Wilkinson, Joseph Del Pizzo, Sandip Kapur, David Leeser, David Serur, Steve Katznelson, Stephan Busque, **Marc Melcher**, Garet Hil and Jeffrey Veale. "The MATCH: Modified-Sequence Asynchronous Transplant Chain", American Transplant Congress, May 30-June 3, 2009, Boston, MA. *American Journal of Transplantation*, 9:284-285 Suppl. 2 2009.

9. J. Veale, F. Butt, G. Danovich, A. Wilkenson, P. Schulam, J. Del Pizzo, S. Kapur, D. Leeser, d. Serur, S. Katznelson, S. Busque, **ML Melcher**, S. McGuire, M. Charlton, G. Hil, JM Cecka. 'Something Special in the Air': Transcontinental Shipments of Living Donor Kidneys for Transplantation". American Transplant Congress, May 30-June 3, 2009, Boston, MA. *American Journal of Transplantation*, 9:435-435 Suppl. 2 2009.

10. Kim Dang, **Marc L. Melcher**, Yeonho Park, Natalie J. Serkova, Claus U. Nieman. "Targeted quantitative metabolomics in rats during early reperfusion", International Liver Transplant Society 15th Annual International Congress. July 8-11, 2009, New York, NY. *Liver Transplantation*. 15(7):S176-176 Suppl.

11. Basit Javaid, **Marc L. Melcher**, Jin-Yon Kim, Julie M. Yabu, Jane C. Tan, John D. Scandling, Stephan Busque. "Preemptive Kidney Transplant: Wouldn't Earlier Be Even Better?" American Society of Nephrology Renal Week 2009. October 2009, San Diego CA.

12. Basit Javaid, Stephan Busque, **Marc L. Melcher**, Jin-Yon Kim, Julie M. Yabu, Jane C. Tan, John D. Scandling. "Preemptive Kidney Transplantation in Focal Segmental Glomerulosclerosis (FSGS): Do the Benefits Offset the Risks?" American Society of Nephrology Renal Week 2009. October 2009, San Diego CA.

13. **ML Melcher**, MJ Pando, K Yim, D Tyan, CA Bonham, W Concepcion, S Busque. Liver Allograft will not always immunologically protect a simultaneous kidney transplant. January 15, 2010. ASTS Winter Symposium, Ft. Lauderdale FL.

14. Virgilio C, A Yaghoubian, A Kaji, JC Collins, K Deveney, M Dolich, D Easter, OJ Hines, S Katz, T Liu, A Mahmoud, **ML Melcher**, S Parks, M Reeves, A Salim, L Scherer, D Takanishi, K Waxman. Predicting Performance on the American Board of Surgery Qualifying and Certifying Examinations. 81st Annual Meeting of the Pacific Coast Surgical Association; February 16, 2010; Kapalua, Hawaii.

15. **ML Melcher**, D Leeser, S. Katznelson, S Busque, S Mulgaonkar, W Bry, HA Gritch, H Yang, G Hil, J Roberts, S Kapur, J Veale. NEAD Chain Transplantation Does Not Favor Less Sensitized Patients. May 1, 2010. American Transplant Congress, San Diego CA. *American Journal of Transplantation*, 10:277 Suppl. 4 2010. ***Poster of Distinction***

16. **ML Melcher**, D Leeser, S. Katznelson, HA Gritch, W Bry, G Hil, S Busque, S Mulgaonkar, H Yang, J Roberts, S Kapur, J Veale.Chain Donation Can Dramatically Reduce the Wait Time of Individuals Awaiting Kidney Transplantation. May 1, 2010. American Transplant Congress, San Diego CA. *American Journal of Transplantation*, 10:277 Suppl. 4 2010.

17. **ML Melcher**, B Javaid, CO Esquivel. Wealthy Patients are more likely to be Listed at Multiple Transplant Centers and be Transplanted. May 1, 2010. American Transplant Congress, San Diego CA. *American Journal of Transplantation*, 10:288 Suppl. 4 2010.

18. D Segev, J Veale, D Leeser, J Hiller, W Bry, **M Melcher**, L Malinzak, S Katznelson, J Tchervenkov, S Kapur, R Hanto, J Roberts, M Rees, R Montgomery. Transporting Kidneys for Live Donor Kidney Transplants: National Results. May 2, 2010. American Transplant Congress, San Diego CA. *American Journal of Transplantation*, 10:79 Suppl. 4 2010.

19. J Kim, J Yabu, J Tan, J Scandling, **M Melcher**, S Busque, B Javaid. Risk of Graft Failure Due to Disease Recurrence in Patients with FSGS. May 5, 2010. American Transplant Congress, San Diego CA. *American Journal of Transplantation*, 10:196 Suppl. 4 2010.

20. B Javaid, J Kim, J Yabu, J Tan, **M Melcher**, S Busque, J Scandling. Impact of Short Term Pre-Transplant Dialysis on Kidney Transplant Outcomes. May 4, 2010. American Transplant Congress, San Diego CA. *American Journal of Transplantation*, 10:525 Suppl. 4 2010.

21. Irene K. Kim, Jessica Lapasia, Arvand Elihu, Jane Tan, John Scandling, Stephan Busque, **Marc L. Melcher**. Donors with Kidney Stones: Should We Pass? January 15, 2011. ASTS 11th Winter Symposium, Ft. Lauderdale FL. *American Journal of Transplant*, 11:66 Suppl. 1.

22. D. Tyan, C. Lou, **M. Melcher**, J. Scandling, S. Busque. Renal Transplants Can Be Performed in High CPRA Patients without a Prospective Crossmatch. American Transplant Congress, Philidelphia PA. *American Journal of Transplantation*, 11:58 Suppl. 2 2011.

23. D. Tyan, J. Yabu, G. Chen, C. Lou, **M. Melcher**, J. Scandling, S. Busque. Successful Avoidance of Post-Transplant Antibody Mediated Rejection When Desensitizing Patients with IVIG: In Vitro C1q Test Predicts and Monitors In Vivo Efficacy and Time to Transplant. American Transplant Congress, Philidelphia PA. *American Journal of Transplantation*, 11:91 Suppl. 2 2011.

24. Irene Kim, J. Milner, J. Veale, **ML Melcher**. "High proportion of kidney exchange match offers fail for logistical reasons." January 11, 2012. ASTS 12th Winter Symposium, Miami FL. *American Journal of Transplant*, 12.

25. Forrester JD, **Melcher ML**, Lau J. "Service Sign-Out Checklist: A low-cost way to improve the house staff sign-out experience." March 23, 2012. Association of Surgical Education Annual Meeting. San Diego, CA.

26. Jeff Veale, **Marc Melcher**, Connie Davis, Elizabeth Berger, Joe Sinacore, Matt Ronin, Garet Hil, John Milner. "Wait-time varies by blood-type and calculated panel reactive antibody for incompatible pairs in kidney exchange." May 22, 2012. American Urology Association Annual Meeting. Atlanta, GA. *The Journal of Urology* 187 (4), e919-e920.

27. AM V Vergara; NB Ha; A Gallo; L H Kim; C Bonham; CO Esquivel; W Concepcion; **ML Melcher**; T Daugherty; W Ayoub; GA Lutchman; A Ahmed; MH Nguyen. "High Incidence of Recurrent Hepatocellular Carcinoma (HCC) in Patients Following Left-Sided Partial Hepatectomy." DDW. 2012. *Gastroenterology*.

28. Malek Kamoun, Michael Cecka, Lee Ann Baxter-Lowe, Joe Sinacore, **Marc L Melcher**. "Efficient Use of Online Pre-Selected Pairs Followed By Virtual Crossmatching Enables Transplants Through Multicenter Kidney Paired Donation (KPD)" *Human Immunology*. 73:68. 2012/10/31.

Press Articles About Work

Donor Chains:

- Hospitals synchronize series of kidney transplants. 12/03/2008. *Medical Center Report.* http://med.stanford.edu/mcr/2008/kidney-1203.html
- A Positive Chain Reaction: The Sorianos One Year Later http://stanfordhospital.org/newsEvents/newsReleases/2009/sorianosoneyearlater.html
- Kidney Chain. NBC11. http://www.youtube.com/watch?v=qkzCE6Ccdm0
- Kidney Chain. KCBS http://www.kcbs.com/pages/5977720.php?
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- Health Talk with Dr. Gloria Wu, "Organ Donations: A Gift of Life" http://www.youtube.com/watch?v=ro6F6cMspZI
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2012 *Liver Transplantation* (1)
2011 *Clinical Transplantation* (3)
2011 *Transplantation* (5)
2011 *Journal of Transplantation* (2)
2010 *Liver Transplantation* (2)
2010 *American Journal of Transplantation* (1)
2010 *Journal of Transplantation* (1)
2010 *Transplantation* (4)
2010 *Journal of Visualized Experiments* (1)
2010 *Surgery* (1)
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Mentees

Kim Dang, Stanford MedScholar Funding, "The effect of obesity on hepatic cellular metabolism, inflammation and transcription factor expression in rats during ischemia reperfusion." 2009-2012.

Transplant Tools Software Development

iPhone Apps distributed *gratis* in iTunes store.

- Liver Donor Risk Index Calculator
- Kidney Donor Risk Index Calculator
- Pancreas Donor Risk Index Calculator
- MELD Calculator
- HCC MELD Exception Calculator
- HCC TTV Calculator