

Stanford



Olivia Martinez

Professor (Research) of Surgery (Transplantation)

Surgery - Abdominal Transplantation

CONTACT INFORMATION

- **Alternate Contact**

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Bio

ACADEMIC APPOINTMENTS

- Professor (Research), Surgery - Abdominal Transplantation
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Stanford Immunology, Stanford University School of Medicine, (2018- present)
- Director, Graduate Program, Immunology IDP, Stanford University School of Medicine, (2008- present)

HONORS AND AWARDS

- Fujisawa Basic Science Award, American Society of Transplantation (2004)
- Faculty Mentor of the Year, Program in Immunology, Stanford University School of Medicine (2005)
- Distinguished Service Award, American Association of Immunologists (2007)
- Faculty Award for Student Service, Office of Graduate Education, Stanford University (2011)
- Faculty Award for Excellence in Mentoring, Stanford Biosciences (2014)
- Fellow, American Society of Transplantation (2015)

PROFESSIONAL EDUCATION

- Ph.D., Univ of California, Berkeley , Immunology (1982)
- B.S., Univ of Southern California , Biological Sciences (1976)

LINKS

- My Lab Site: <http://www.stanford.edu/group/TIL/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

There are two major areas of focus in the laboratory. First, we are interested in Epstein Barr Virus-mediated mechanisms of immune evasion with particular focus on pathways that promote survival and proliferation of EBV B cell lymphomas, the characterization of the human T cell response to EBV-infected B cells and the identification of novel therapeutics for treatment of EBV B cell lymphomas. The second area of study addresses stem cell and solid organ transplantation. In particular we are examining mechanisms of graft rejection and immune regulation in allogeneic responses.

CLINICAL TRIALS

- Biomarkers for Post-Transplant Lymphoproliferative Disorders in Children, Not Recruiting

Teaching

COURSES

2018-19

- Current Concepts in Transplantation: SURG 68Q (Spr)
- Immunology Journal Club: IMMUNOL 305 (Aut, Win, Spr)

2017-18

- Current Concepts in Transplantation: SURG 68Q (Spr)
- Ethics, Science, and Society: IMMUNOL 258 (Spr)
- Immunology Journal Club: IMMUNOL 305 (Aut, Win, Spr)

2016-17

- Discussions in Immunology: IMMUNOL 311A (Aut, Win, Spr)
- Immunology Journal Club: IMMUNOL 305 (Aut, Win, Spr)
- Seminar in Immunology: IMMUNOL 311 (Aut)

2015-16

- Current Concepts in Transplantation: SURG 68Q (Spr)
- Discussions in Immunology: IMMUNOL 311A (Aut, Win, Spr)
- Immunology Journal Club: IMMUNOL 305 (Aut, Win, Spr)
- Seminar in Immunology: IMMUNOL 311 (Aut)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Marla McPherson

Doctoral (Program)

Sarah Barnes, Ariel Calderon, Bryan Cannon, Amy Fan, David Glass, James Harden, Rebecca Leylek, Ian Linde, Katherine Murphy, Hayley Raquer, Jack Silberstein, Brenda Velasco, Nora Vivanco Gonzalez, Aaron Wilk, Bryan Xie, Phoebe Yiu

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)

Publications

PUBLICATIONS

- **Differential role of natural killer group 2D in recognition and cytotoxicity of hepatocyte-like cells derived from embryonic stem cells and induced pluripotent stem cells** *AMERICAN JOURNAL OF TRANSPLANTATION*
Cisneros, T., Dillard, D. W., Qu, X., Arredondo-Guerrero, J., Castro, M., Schaffert, S., Martin, R., Esquive, C. O., Krams, S. M., Martinez, O. M.
2019; 19 (6): 1652–62
- **Differential role of natural killer group 2D in recognition and cytotoxicity of hepatocyte-like cells derived from embryonic stem cells and induced pluripotent stem cells.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Cisneros, T., Dillard, D. W., Qu, X., Arredondo-Guerrero, J., Castro, M., Schaffert, S., Martin, R., Esquivel, C. O., Krams, S. M., Martinez, O. M.
2018
- **Dual blockade of the PI3K/Akt/mTOR pathway inhibits post-transplant Epstein-Barr virus B cell lymphomas and promotes allograft survival.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Sang, A. X., McPherson, M. C., Ivison, G. T., Qu, X., Rigdon, J., Esquivel, C. O., Krams, S. M., Martinez, O. M.
2018
- **Evaluating for human herpesvirus 6 in the liver explants of children with liver failure of unknown etiology.** *The Journal of infectious diseases*
Yang, C. H., Sahoo, M. K., Fitzpatrick, M., Lau, A. H., Pinsky, B. A., Martinez, O. M.
2018
- **Prospective Analysis of EBV plus PTLD in a Multi-Center Study of Pediatric Transplant Recipients**
Martinez, O. M., Krams, S. M., Lapasaran, M., Boyd, S. D., Bernstein, D., Twist, C., Weinberg, K., Gratzinger, D., Tan, B., Armstrong, B., Ikle, D., Brown, M., Robien, et al
LIPPINCOTT WILLIAMS & WILKINS.2018: S319
- **Genomic Status of the Epstein Barr Virus and Virus-Associated PI3K/Akt/mTOR Pathway Dysregulation in Post-Transplant Lymphoproliferative Disorder**
McPherson, M., Balachandran, Y., Boyd, S. D., Zimmermann, H., Trappe, R. U., Esquivel, C. O., Krams, S. M., Martinez, O. M.
LIPPINCOTT WILLIAMS & WILKINS.2018: S95
- **Delineation of the Viral and Host Cell Genomic Alterations in EBV-positive PTLD**
Balachandran, Y., McPherson, M., Boyd, S. D., Esquivel, C. O., Krams, S., Martinez, O. M.
LIPPINCOTT WILLIAMS & WILKINS.2018: S319
- **Identifying shared patterns in the T cell receptor repertoire specific to IE-1 CMV**
Lucia Perez, M., Rubelt, F., Luque, S., Krams, S. M., Esquivel, C. O., Bestard, O., Martinez, O. M.
LIPPINCOTT WILLIAMS & WILKINS.2018: S141
- **Application of Mass Cytometry for Analysis of the Alloimmune Response in a Model of Vascularized Composite Allograft Transplantation**
Harden, J. T., Sang, A. X., Qu, X., Esquivel, C., Martinez, O. M., Krams, S. M.
LIPPINCOTT WILLIAMS & WILKINS.2018: S198
- **Epstein-Barr Virus Genome Variation in Post-Transplant Lymphoproliferative Disorder**
Maloney, E., Busque, V. A., Hui, S., Krams, S. M., Esquivel, C. O., Martinez, O. M.
LIPPINCOTT WILLIAMS & WILKINS.2018: S95
- **Elucidation of the miRNome in EBV-positive and EBV-negative PTLD**
Balachandran, Y., Zimmermann, H., Esquivel, C. O., Krams, S., Trappe, R. U., Martinez, O. M.
LIPPINCOTT WILLIAMS & WILKINS.2018: S96
- **NK Cell Recognition of Peptides Encoded by EBV Latent Cycle Proteins**
Mbiribindi, B., Moreno, C., Esquivel, C. O., Martinez, O. M., Krams, S. M.
LIPPINCOTT WILLIAMS & WILKINS.2018: S283
- **Inhibition of Multiple Nodes in the PI3K/Akt/mTOR Pathway Synergistically Suppresses Post-Transplant B Cell Lymphomas**
Sang, A., McPherson, M., Ivison, G., Qu, X., Rigdon, J., Esquivel, C., Krams, S., Martinez, O.

WILEY.2018: 20

- **Evaluating for human herpesvirus-6 in children with liver failure of unknown etiology**
Yang, C., Sahoo, M., Lau, A. H., Pinsky, B., Martinez, O. M.
WILEY.2017: 658A–659A
- **STRATEGY FOR ANALYSIS OF DONOR-SPECIFIC ANTIBODY REPERTOIRE: PAIRED IMMUNOGLOBULIN HEAVY AND LIGHT CHAIN ANALYSIS OF INDIVIDUAL MEMORY B CELLS**
Lucia, M., Gomez, A., Bestard, O., Robinson, W., Martinez, O.
WILEY.2017: 103
- **The Immune Response to Epstein Barr Virus and Implications for Posttransplant Lymphoproliferative Disorder.** *Transplantation*
Martinez, O. M., Krams, S. M.
2017
- **Absence of miR-182 Augments Cardiac Allograft Survival.** *Transplantation*
Wei, L., Kaul, V., Qu, X., Xiong, X., Lau, A. H., Iwai, N., Martinez, O. M., Krams, S. M.
2017; 101 (3): 524-530
- **Dynamics of Viral and Host Immune Cell MicroRNA Expression during Acute Infectious Mononucleosis.** *Frontiers in microbiology*
Kaul, V., Weinberg, K. I., Boyd, S. D., Bernstein, D., Esquivel, C. O., Martinez, O. M., Krams, S. M.
2017; 8: 2666
- **Identifying specificity groups in the T cell receptor repertoire.** *Nature*
Glanville, J., Huang, H., Nau, A., Hatton, O., Wagar, L. E., Rubelt, F., Ji, X., Han, A., Krams, S. M., Pettus, C., Haas, N., Arlehamn, C. S., Sette, et al
2017
- **NKG2A-Expressing Natural Killer Cells Dominate the Response to Autologous Lymphoblastoid Cells Infected with Epstein-Barr Virus** *FRONTIERS IN IMMUNOLOGY*
Hatton, O., Strauss-Albee, D. M., Zhao, N. Q., Haggadone, M. D., Pelpola, J. S., Krams, S. M., Martinez, O. M., Blish, C. A.
2016; 7
- **Epstein-Barr virus BАРF1-induced NF kappa B/miR-146a/SMAD4 alterations in stomach cancer cells** *ONCOTARGET*
Kim, D. H., Chang, M. S., Yoon, C. J., Middeldorp, J. M., Martinez, O. M., Byeon, S., Rha, S. Y., Kim, S. H., Kim, Y. S., Woo, J. H.
2016; 7 (50): 82213-82227
- **Applying Mass Cytometry to the Analysis of Lymphoid Populations in Transplantation.** *American journal of transplantation*
Krams, S. M., Schaffert, S., Lau, A. H., Martinez, O. M.
2016
- **Mass cytometry reveals a distinct immunoprofile of operational tolerance in pediatric liver transplantation.** *Pediatric transplantation*
Lau, A. H., Vitalone, M. J., Haas, K., Shawler, T., Esquivel, C. O., Berquist, W. E., Martinez, O. M., Castillo, R. O., Krams, S. M.
2016
- **Harbingers of Long-term Graft Outcome: Go With the Flow?** *TRANSPLANTATION*
Martinez, O. M.
2016; 100 (9): 1799–1800
- **Inhibition of the constitutively active PI3K/Akt/mTOR signaling pathway in epstein-barr virus B cell lymphomas demonstrate both antitumor and antirejection properties**
Sang, A., Ivison, G. T., Qu, X., Esquivel, C. O., Krams, S. M., Martinez, O. M.
LIPPINCOTT WILLIAMS & WILKINS.2016: S258
- **NKG2A+natural killer cells dominate the response to latent Epstein-Barr virus infection**
Hatton, O., Strauss-Albee, D., Krams, S. M., Blish, C., Martinez, O.
LIPPINCOTT WILLIAMS & WILKINS.2016: S383
- **MicroRNAs in EBV plus B cell lymphomas and secreted exosomes**
Kaul, V., Harris-Arnold, A., Esquivel, C., Martinez, O. M., Krams, S. M.
LIPPINCOTT WILLIAMS & WILKINS.2016: S257

- **Natural Killer cells demonstrate functional and receptor diversity in response to alloantigen**
Hatton, O., Shawler, T., Blish, C., Martinez, O. M., Krams, S. M.
LIPPINCOTT WILLIAMS & WILKINS.2016: S121
- **Generation of novel Cag-Luc-EGFP transgene-expressing murine embryonic stem cell derived hepatoblasts as a transplantable cell source**
Cisneros, T., Arredondo-Guerrero, J., Qu, X., Krams, S. M., Esquivel, C., Martinez, O.
LIPPINCOTT WILLIAMS & WILKINS.2016: S864
- **Epstein-Barr virus-associated lymphoepithelial carcinoma after pediatric liver transplant** *LIVER TRANSPLANTATION*
Sang, A. X., Harris-Arnold, A., Kambham, N., Martinez, O. M., Krams, S. M., Strichartz, D., Esquivel, C. O.
2016; 22 (6): 849–53
- **Liver microRNA Profile of Induced Allograft Tolerance.** *Transplantation*
Vitalone, M. J., Wei, L., Fujiki, M., Lau, A. H., Littau, E., Esquivel, C., Martinez, O. M., Krams, S. M.
2016; 100 (4): 781-790
- **Post-transplant lymphoproliferative disorders** *NATURE REVIEWS DISEASE PRIMERS*
Dharmidharka, V. R., Webster, A. C., Martinez, O. M., Preiksaitis, J. K., Leblond, V., Choquet, S.
2016; 2
- **Epstein-Barr Virus Modulates Host Cell MicroRNA-194 to Promote IL-10 Production and B Lymphoma Cell Survival** *AMERICAN JOURNAL OF TRANSPLANTATION*
Harris-Arnold, A., Arnold, C. P., Schaffert, S., Hatton, O., Krams, S. M., Esquivel, C. O., Martinez, O. M.
2015; 15 (11): 2814-2824
- **NKp46 clusters at the immune synapse and regulates NK cell polarization** *FRONTIERS IN IMMUNOLOGY*
Hadad, U., Thauland, T. J., Martinez, O. M., Butte, M. J., Porgador, A., Krams, S. M.
2015; 6
- **Orienting incoming PhD students through hands-on training in immunology research methods**
Sweere, J., Seong, Y., Schaffert, S., Spitzer, M., Martinez, O., Butte, M.
AMER ASSOC IMMUNOLOGISTS.2015
- **Genomic Approaches to Unraveling the Diversity and Dynamics of the Human Virome** *AMERICAN JOURNAL OF TRANSPLANTATION*
Martinez, O. M., Ford, M. L.
2014; 14 (12): 2677
- **The interplay between Epstein-Barr virus and B lymphocytes: implications for infection, immunity, and disease.** *Immunologic research*
Hatton, O. L., Harris-Arnold, A., Schaffert, S., Krams, S. M., Martinez, O. M.
2014; 58 (2-3): 268-276
- **NK cells after transplantation: friend or foe.** *Immunologic research*
Hadad, U., Martinez, O., Krams, S. M.
2014; 58 (2-3): 259-267
- **Differential expression and functions of microRNAs in liver transplantation and potential use as non-invasive biomarkers.** *Transplant immunology*
Wei, L., Gong, X., Martinez, O. M., Krams, S. M.
2013; 29 (1-4): 123-129
- **Natural Killer Cell-Activating Receptor NKG2D Mediates Innate Immune Targeting of Allogeneic Neural Progenitor Cell Grafts** *STEM CELLS*
Phillips, L. K., Gould, E. A., Babu, H., Krams, S. M., Palmer, T. D., Martinez, O. M.
2013; 31 (9): 1829-1839
- **PI3K Inhibition Augments the Efficacy of Rapamycin in Suppressing Proliferation of Epstein-Barr Virus (EBV) plus B Cell Lymphomas** *AMERICAN JOURNAL OF TRANSPLANTATION*
Furukawa, S., Wei, L., Krams, S. M., Esquivel, C. O., Martinez, O. M.
2013; 13 (8): 2035-2043
- **Syk-Induced Phosphatidylinositol-3-Kinase Activation in EpsteinBarr Virus Posttransplant Lymphoproliferative Disorder** *AMERICAN JOURNAL OF TRANSPLANTATION*

- Hatton, O., Lambert, S. L., Phillips, L. K., Vaysberg, M., Natkunam, Y., Esquivel, C. O., Krams, S. M., Martinez, O. M.
2013; 13 (4): 883-890
- **MicroRNA 194 Regulates Apoptosis in Epstein Barr Virus plus B Cell Lymphomas Associated with Post-Transplant Lymphoproliferative Disorder.** *13th American Transplant Congress (ATC)*
Harris-Arnold, A., Lambert, S., Krams, S., Martinez, O.
WILEY-BLACKWELL.2013: 96-96
 - **PI3K delta Inhibition Augments the Efficacy of mTOR Inhibitor Rapamycin on the Proliferation of Epstein-Barr Virus (EBV) plus B Cell Lymphomas.** *13th American Transplant Congress (ATC)*
Furukawa, S., Hatton, O., Krams, S., Esquivel, C., Martinez, O.
WILEY-BLACKWELL.2013: 96-97
 - **Src Kinase and Syk Activation Initiate PI3K Signaling by a Chimeric Latent Membrane Protein 1 in Epstein-Barr Virus (EBV) plus B Cell Lymphomas** *PLOS ONE*
Hatton, O., Lambert, S. L., Krams, S. M., Martinez, O. M.
2012; 7 (8)
 - **Differential Expression of MicroRNAs During Allograft Rejection** *AMERICAN JOURNAL OF TRANSPLANTATION*
Wei, L., Wang, M., Qu, X., MAH, A., Xiong, X., Harris, A. G., Phillips, L. K., Martinez, O. M., Krams, S. M.
2012; 12 (5): 1113-1123
 - **Modulation of IL-10 Specific B Cell microRNAs by Latent Membrane Protein 1 and Epstein-Barr Virus** *24th Annual Meeting of the European-Association-for-Cardiothoracic-Surgery*
Harris-Arnold, A., Lambert, S., Krams, S., Martinez, O.
WILEY-BLACKWELL.2012: 162-162
 - **Emerging therapeutic strategies for Epstein-Barr virus+ post-transplant lymphoproliferative disorder** *PEDIATRIC TRANSPLANTATION*
Hatton, O., Martinez, O. M., Esquivel, C. O.
2012; 16 (3): 220-229
 - **Changes in natural killer cell subsets in pediatric liver transplant recipients** *PEDIATRIC TRANSPLANTATION*
Pham, B., Piard-Ruster, K., Silva, R., Gallo, A., Esquivel, C. O., Martinez, O. M., Krams, S. M.
2012; 16 (2): 176-182
 - **Syk Activation of Phosphatidylinositol 3-Kinase/Akt Prevents HtrA2-dependent Loss of X-linked Inhibitor of Apoptosis Protein (XIAP) to Promote Survival of Epstein-Barr Virus plus (EBV plus) B Cell Lymphomas** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Hatton, O., Phillips, L. K., Vaysberg, M., Hurwich, J., Krams, S. M., Martinez, O. M.
2011; 286 (43): 37368-37378
 - **HIGH DOSES OF CALCINEURIN INHIBITORS ARE ASSOCIATED WITH LOW LEVELS OF T REGULATORY CELLS IN PEDIATRIC LIVER TRANSPLANT RECIPIENTS.**
Piard-Ruster, K. S., Silva, R., Berquist, W., Pham, B., Gallo, A., Krams, S. M., Esquivel, C. O., Martinez, O. M.
WILEY-BLACKWELL.2011: 57-57
 - **Rejection of Small Intestinal Allografts Associates with a Unique Signature of microRNAs** *American Transplant Congress*
Krams, S. M., Wei, L., Pham, B., Harris, A., Castillo, R. O., Esquivel, C. O., Martinez, O.
WILEY-BLACKWELL.2011: 133-133
 - **Syk survival signals in Epstein-Barr virus plus B cell lymphomas**
Hatton, O., Lambert, S., Krams, S., Martinez, O.
AMER ASSOC IMMUNOLOGISTS.2011
 - **Latent membrane protein 1 of Epstein Barr Virus alters cellular microRNAs in B cell lymphomas**
Harris, A., Lambert, S., Krams, S., Martinez, O.
AMER ASSOC IMMUNOLOGISTS.2011
 - **Neural stem/progenitor cells are targets for natural killer cell-mediated killing**
Phillips, L., Gould, E., Palmer, T., Krams, S., Martinez, O.
AMER ASSOC IMMUNOLOGISTS.2011

- **Neural Stem/Progenitor Cells Are Targets for Natural Killer Cell-Mediated Killing** *American Transplant Congress*
Phillips, L. K., GOULD, E. A., Palmer, T. D., Krams, S. M., Martinez, O. M.
WILEY-BLACKWELL.2011: 439-439
- **Targeting Akt for Treatment of Post-Transplant Lymphoproliferative Disorder (PTLD)** *American Transplant Congress*
Hatton, O., Lambert, S., Krams, S. M., Esquivel, C. O., Martinez, O. M.
WILEY-BLACKWELL.2011: 137-137
- **MHC Mismatch Inhibits Neurogenesis and Neuron Maturation in Stem Cell Allografts** *PLOS ONE*
Chen, Z., Phillips, L. K., Gould, E., Campisi, J., Lee, S. W., Ormerod, B. K., Zwierzchoniowska, M., Martinez, O. M., Palmer, T. D.
2011; 6 (3)
- **Distinct Roles for the NK Cell-Activating Receptors in Mediating Interactions with Dendritic Cells and Tumor Cells** *JOURNAL OF IMMUNOLOGY*
Wai, L., Garcia, J. A., Martinez, O. M., Krams, S. M.
2011; 186 (1): 222-229
- **Toll-Like Receptor 4 Contributes to Small Intestine Allograft Rejection** *TRANSPLANTATION*
Krams, S. M., Wang, M., Castillo, R. O., Ito, T., Phillips, L., Higgins, J., Kambham, N., Esquivel, C. O., Martinez, O. M.
2010; 90 (12): 1272-1277
- **Acute Rejection of Small Intestine Allografts Is Associated With Increased Expression of Toll-like Receptors** *TRANSPLANTATION PROCEEDINGS*
Castillo, R. O., Wang, M., Ito, T., Higgins, J., Esquivel, C. O., Krams, S. M., Martinez, O. M.
2010; 42 (7): 2676-2678
- **Identification of the rat NKG2D ligands, RAE1L and RRLT, and their role in allograft rejection** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Zhuo, M., Fujiki, M., Wang, M., Piard-Ruster, K., Wai, L., Wei, L., Martinez, O. M., Krams, S. M.
2010; 40 (6): 1748-1757
- **MicroRNAs as Immune Regulators: Implications for Transplantation** *AMERICAN JOURNAL OF TRANSPLANTATION*
Harris, A., Krams, S. M., Martinez, O. M.
2010; 10 (4): 713-719
- **NK Cells Promote Acceptance of Liver Allografts**
Ito, T., Wang, M., Wai, L., Esquivel, C. O., Martinez, O. M., Krams, S. M.
WILEY-BLACKWELL PUBLISHING, INC.2010: 467
- **The Role of NKG2D in Transplantation**
Wai, L., Wang, M., Ito, T., Piard-Ruster, K., Esquivel, C. O., Martinez, O. M., Krams, S. M.
WILEY-BLACKWELL PUBLISHING, INC.2010: 217
- **The Effect of Calcineurin Inhibitor Dose on T Regulatory Cell Levels in Pediatric Liver Transplant Recipients.**
Piard-Ruster, K., Silva, R., Berquist, W., Pham, B., Gallo, A., Krams, S. M., Esquivel, C. O., Martinez, O. M.
WILEY-BLACKWELL PUBLISHING, INC.2010: 486
- **Epstein-Barr Virus Latent Membrane Protein 1 Modulates Host MicroRNAs in B Cell Lymphomas**
Harris, A. C., Lambert, S. L., Krams, S. M., Martinez, O. M.
WILEY-BLACKWELL PUBLISHING, INC.2010: 295
- **The Innate Immune Response Impairs Differentiation of Neural Progenitor Stem Cell Allografts** *10th American Transplant Congress*
Phillips, L., Gould, E., Palmer, T., Krams, S. S., Martinez, O. M.
WILEY-BLACKWELL.2010: 365-365
- **CD30 Activation of T Cells Causes Recruitment of TRAF Proteins and Induces P38-and Caspase-Dependent Apoptosis** *10th American Transplant Congress*
Piard-Ruster, K. S., Hsieh, C. L., Krams, S. M., Martinez, O. M.
WILEY-BLACKWELL.2010: 364-364
- **Effect of CP690,550 on the Jak/STAT Pathway in Adult Kidney Recipients.** *10th American Transplant Congress*
Silva, R., Martinez, O. M., Krams, S. M., Busque, S.
WILEY-BLACKWELL.2010: 145-145

- **Toll-Like Receptor 4 Contributes to Rejection of Small Intestine Allografts.** *10th American Transplant Congress*
Krams, S. M., Wang, M., Castillo, R. O., Ito, T., Esquivel, C. O., Martinez, O. M.
WILEY-BLACKWELL.2010: 312-312
- **Syk Inhibits Lymphoma Migration to the Lymph Node in a Xenotransplantation Model of Epstein Barr Virus (EBV) plus Post-Transplant Lymphoproliferative Disorder (PTLD)** *10th American Transplant Congress*
Hatton, O., Lambert, S., Vaysberg, M., Krams, S. M., Esquivel, C. O., Martinez, O. M.
WILEY-BLACKWELL.2010: 62-62
- **Natural Killer Cell Activation Receptor Expression Is Increased Post-Transplant in Pediatric Liver Transplant Recipients.** *10th American Transplant Congress*
Pham, B., Silva, R., Piard-Ruster, K., Gallo, A., Esquivel, C. O., Martinez, O. M., Krams, S. M.
WILEY-BLACKWELL.2010: 486-486
- **Induced Tolerance to Rat Liver Allografts Involves the Apoptosis of Intra-graft T Cells and the Generation of CD4(+)CD25(+)FoxP3(+) T Regulatory Cells** *LIVER TRANSPLANTATION*
Fujiki, M., Esquivel, C. O., Martinez, O. M., Strober, S., Uemoto, S., Krams, S. M.
2010; 16 (2): 147-154
- **The Biology of Epstein-Barr Virus and Posttransplant Lymphoproliferative Disease** *POST-TRANSPLANT LYMPHOPROLIFERATIVE DISORDERS*
Martinez, O. M., Dharnidharka, V. R., Green, M., Webber, S. A.
2010: 29-43
- **Activation of the JAK/STAT Pathway in Epstein Barr Virus(+)-Associated Posttransplant Lymphoproliferative Disease: Role of Interferon-gamma** *AMERICAN JOURNAL OF TRANSPLANTATION*
Vaysberg, M., Lambert, S. L., Krams, S. M., Martinez, O. M.
2009; 9 (10): 2292-2302
- **Natural Killer cell interactions with dendritic cells and tumor cells are mediated by different NK cell receptors**
Wai, L., Martinez, O. M., Krams, S. M.
AMER ASSOC IMMUNOLOGISTS.2009
- **Insights into the Mechanism Responsible for Spontaneous Acceptance of Liver Allografts**
Zhuo, M., Ito, T., Wang, M., Esquivel, C. O., Martinez, O. M., Krams, S. M.
AMER ASSOC IMMUNOLOGISTS.2009
- **Epstein-Barr Virus Latent Membrane Protein 1 Modulates Host MicroRNAs in B Cell Lymphomas**
Harris, A., Lambert, S., Krams, S., Martinez, O. M.
AMER ASSOC IMMUNOLOGISTS.2009
- **Decreases in circulating CD4(+)CD25(hi)FOXP3(+) cells and increases in intra-graft FOXP3(+) cells accompany allograft rejection in pediatric liver allograft recipients** *PEDIATRIC TRANSPLANTATION*
Stenard, F., Nguyen, C., Cox, K., Kambham, N., Umetsu, D. T., Krams, S. M., Esquivel, C. O., Martinez, O. M.
2009; 13 (1): 70-80
- **Inflammation and the Innate Immune Response Impair Differentiation of Neural Progenitor Stem Cell Allografts**
Phillips, L., Chen, Z., Palmer, T., Krams, S., Martinez, O.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2009: S119
- **Natural Killer Cell Interactions with Dendritic Cells and Tumor Cells Are Mediated by Different NK Cell Receptors.**
Wai, L., Martinez, O. M., Krams, S. M.
WILEY-BLACKWELL PUBLISHING, INC.2009: 256
- **Inflammation and the Innate Immune Response Impair Differentiation of Neural Progenitor Stem Cell Allografts.**
Phillips, L. K., Chen, Z., Palmer, T. D., Krams, S. M., Martinez, O. M.
WILEY-BLACKWELL PUBLISHING, INC.2009: 464
- **Epstein-Barr Virus Latent Membrane Protein 1 Modulates Host MicroRNAs in B Cell Lymphomas**
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