

Stanford



Olivia Martinez

Johnson and Johnson Professor of Surgery
Surgery - Abdominal Transplantation

CONTACT INFORMATION

• Administrative Contact

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Bio

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Director, Graduate Program, Immunology IDP, Stanford University School of Medicine, (2008- present)
- Director, Stanford Immunology, Stanford University School of Medicine, (2018- present)
- Vice Chair, Basic & Translational Research, Department of Surgery, (2021- 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, Office of Graduate Education, Stanford University (2014)
- Fellow, American Society of Transplantation (2015)
- Distinguished Fellow, American Association of Immunologists (2021)
- Basic Science Established Investigator Award, American Society of Transplantation (2022)

PROFESSIONAL EDUCATION

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

LINKS

- My Lab Site: <http://med.stanford.edu/kramsmartinezlabs.html>

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 emphasis on pathways that promote survival and proliferation of EBV B cell lymphomas, the characterization of the human T cell and NK cell response to EBV and the identification of novel therapeutics for treatment of EBV B cell lymphomas. The second area of study is to understand the regulation of the immune response to cellular and solid organ grafts.

CLINICAL TRIALS

- COVID-19: Pediatric Research Immune Network on SARS-CoV-2 and MIS-C, Recruiting
- Biomarkers for Post-Transplant Lymphoproliferative Disorders in Children, Not Recruiting

Teaching

COURSES

2023-24

- Ethics, Science, and Society: IMMUNOL 258 (Spr)
- Immunology Journal Club: IMMUNOL 305 (Aut, Win, Spr)

2022-23

- Immunology Journal Club: IMMUNOL 305 (Aut, Win, Spr)

2021-22

- Immunology Journal Club: IMMUNOL 305 (Aut, Win, Spr)

2020-21

- Ethics, Science, and Society: IMMUNOL 258, INDE 281 (Spr)
- Immunology Journal Club: IMMUNOL 305 (Aut, Win, Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Lilit Grigoryan, Jimena Pavlovitch-Bedzyk

Postdoctoral Faculty Sponsor

Edward Vizcarra

Doctoral Dissertation Advisor (AC)

Hayley Raquer

Doctoral (Program)

Gita Abhiraman, Julia Adamska, Meelad Amouzgar, Justin Arredondo-Guerrero, Gabe Barron, Preksha Bhagchandani, Potchara Boonrat, Cort Breuer, Frank Buquicchio, Anthony Buzzanco, Bryan Cannon, Leslie Chan, Christie Chang, Rebekah Costello, Alea Delmastro, Tejas Dharmaraj, Jessica Diarra, Markus Diehl, Maigane Diop, Rachel Ee, Jeanna Enriquez, Camilo Espinosa Bernal, Amy Fan, Anthony François, Joseph González, Lilit Grigoryan, Norma Gutierrez, Naomi Haddock, Chloe Kashiwagi, Karan Kathuria, YeEun Kim, Audrey Lee, Maddie Lee, Candace Liu, Evan Maestri, Hunter Martinez, Audre May, Azam Mohsin, Alex

Muselman, Katherine Nico, Jason Nideffer, Benjamin Oberlton, Joy Pai, Jimena Pavlovitch-Bedzyk, Luke Pennington, Josselyn Peña, Colin Raposo, Hayley Raquer, Kalani Ratnasiri, Warren Reynolds, Kameron Rodrigues, Grayson Rodriguez, Adonis Rubio, Sarah Sackey, David Seong, Vishnu Shankar, Jack Silberstein, Erin Soon, Valentino Sudaryo, Oliver Takacs-Nagy, Flora Tierney, Aaron Trotman-Grant, Xariana Vales Torres, Brenda Velasco, Aaron Wilk, Pat Yan, Izumi de los Rios Kobara

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)

Publications

PUBLICATIONS

- **High-dimensional profiling of pediatric immune responses to solid organ transplantation.** *Cell reports. Medicine*
Rao, M., Amouzgar, M., Harden, J. T., Lapasaran, M. G., Trickey, A., Armstrong, B., Odum, J., Debnam, T., Esquivel, C. O., Bendall, S. C., Martinez, O. M., Krams, S. M.
2023: 101147
- **The IPTA Nashville Consensus Conference on Post-Transplant lymphoproliferative disorders after solid organ transplantation in children: III - Consensus guidelines for Epstein-Barr virus load and other biomarker monitoring.** *Pediatric transplantation*
Preiksaitis, J., Allen, U., Bollard, C. M., Dharnidharka, V. R., Dulek, D. E., Green, M., Martinez, O. M., Metes, D. M., Michaels, M. G., Smets, F., Chinnock, R. E., Comoli, P., Danziger-Isakov, et al
2023: e14471
- **Epstein-Barr virus-associated post-transplant lymphoproliferative disorders in pediatric transplantation: A prospective multicenter study in the United States**
Tajima, T., Bernstein, D., Boyd, S. D., Gratzinger, D., Lum, G., Sasaki, K., Tan, B., Twist, C. J., Weinberg, K., Robien, M. A., Brown, M., Armstrong, B., Desai, et al
WILEY.2023
- **High-dimensional profiling of pediatric immune responses to solid organ transplantation**
Rao, M., Amouzgar, M., Harden, J. T., Lapasaran, M. G., Trickey, A., Armstrong, B., Odum, J., Debnam, T., Esquivel, C. O., Bendall, S. C., Martinez, O. M., Krams, S. M.
WILEY.2023
- **High-resolution natural killer cell phenotyping by mass cytometry in pediatric transplant recipients**
Zhang, W., Pena, J. K., Boonrat, P., Harden, J. T., Esquivel, C. O., Martinez, O. M., Krams, S. M.
WILEY.2023
- **Extracellular vesicle microRNAs are decreased in pediatric solid-organ transplant recipients during EBV plus post-transplant lymphoproliferative disorder**
Sen, A., Enriquez, J., Rao, M., Esquivel, C. O., Martinez, O. M., Krams, S. M.
WILEY.2023
- **Mutations In Latent Membrane Protein 1 of Epstein-Barr Virus are Associated with Increased Risk for Post-Transplant Lymphoproliferative Disorder in Children.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Martinez, O. M., Krams, S. M., Robien, M. A., Lapasaran, M. G., Arvedson, M. P., Reitsma, A., Balachandran, Y., Harris-Arnold, A., Weinberg, K., Boyd, S. D., Armstrong, B., Trickey, A., Twist, et al
2023
- **IDENTIFYING NOVEL GENE TARGETS FOR DIAGNOSIS AND TREATMENT OF HCC IN ASIAN AND CAUCASIAN POPULATIONS BASED ON WHOLE GENOME SEQUENCING**
Hong, S., Badshah, J., Aliwaisi, A., Sasaki, K., Pruett, T., Melcher, M., Bonham, C., Gallo, A., Martinez, O., Krams, S., Pham, K., Busque, S., Reitsma, et al
ELSEVIER SCIENCE INC.2023: S28
- **The IPTA Nashville consensus conference on Post-Transplant lymphoproliferative disorders after solid organ transplantation in children: II-consensus guidelines for prevention.** *Pediatric transplantation*
Green, M., Squires, J. E., Chinnock, R. E., Comoli, P., Danziger-Isakov, L., Dulek, D. E., Esquivel, C. O., Hocker, B., L'Huillier, A. G., Mazariegos, G. V., Visner, G. A., Bollard, C. M., Dipchand, et al
2022: e14350

- **Malnutrition and immune cell subsets in children undergoing kidney transplantation.** *Pediatric transplantation*
Shaw, B. I., Lee, H., Ettenger, R., Grimm, P., Reed, E. F., Sarwal, M., Stempora, L., Warshaw, B., Zhao, C., Martinez, O. M., MacIver, N. J., Kirk, A. D., Chambers, et al
2022
- **Human IL-10-producing B cells have diverse states that are induced from multiple B cell subsets.** *Cell reports*
Glass, M. C., Glass, D. R., Oliveria, J. P., Mbiribindi, B., Esquivel, C. O., Krams, S. M., Bendall, S. C., Martinez, O. M.
2022; 39 (3): 110728
- **Mutations in latent membrane protein 1 of Epstein Barr virus are associated with increased risk of post-transplant lymphoproliferative disorder**
Martinez, O. M., Krams, S. M., Robien, M., Lapasaran, M. M., Arvedson, M., Reitsma, A., Weinberg, K., Boyd, S., Armstrong, B., Twist, C., Gratzinger, D., Tan, B., Trickey, et al
WILEY.2022
- **Host microRNAs are decreased in pediatric solid-organ transplant recipients during EBV+ Post-transplant Lymphoproliferative Disorder.** *Frontiers in immunology*
Sen, A., Enriquez, J., Rao, M., Glass, M., Balachandran, Y., Syed, S., Twist, C. J., Weinberg, K., Boyd, S. D., Bernstein, D., Trickey, A. W., Gratzinger, D., Tan, et al
2022; 13: 994552
- **Functional Consequences of Memory Inflation after Solid Organ Transplantation.** *Journal of immunology (Baltimore, Md. : 1950)*
Higdon, L. E., Schaffert, S., Cohen, R. H., Montez-Rath, M. E., Lucia, M., Saligrama, N., Margulies, K. B., Martinez, O. M., Tan, J. C., Davis, M. M., Khatri, P., Maltzman, J. S.
2021
- **Evolution of Cytomegalovirus-Responsive T Cell Clonality following Solid Organ Transplantation.** *Journal of immunology (Baltimore, Md. : 1950)*
Higdon, L. E., Schaffert, S., Huang, H., Montez-Rath, M. E., Lucia, M., Jha, A., Saligrama, N., Margulies, K. B., Martinez, O. M., Davis, M. M., Khatri, P., Maltzman, J. S.
2021
- **High-resolution phenotyping of early acute rejection reveals a conserved alloimmune signature.** *Cell reports*
Harden, J. T., Wang, X. n., Toh, J. n., Sang, A. X., Brown, R. A., Esquivel, C. O., Martinez, O. M., Krams, S. M.
2021; 34 (9): 108806
- **Epstein-Barr virus peptides derived from latent cycle proteins alter NKG2A+NK cell effector function.** *Scientific reports*
Mbiribindi, B., Pena, J. K., Arvedson, M. P., Moreno Romero, C., McCarthy, S. R., Hatton, O. L., Esquivel, C. O., Martinez, O. M., Krams, S. M.
2020; 10 (1): 19973
- **The immune roadmap for understanding multi-system inflammatory syndrome in children: opportunities and challenges.** *Nature medicine*
Martinez, O. M., Bridges, N. D., Goldmuntz, E., Pascual, V.
2020
- **Relationship between antithymocyte globulin, T cell phenotypes, and clinical outcomes in pediatric kidney transplantation** *AMERICAN JOURNAL OF TRANSPLANTATION*
Shaw, B. I., Lee, H., Chan, C., Ettenger, R., Grimm, P., Pearl, M., Reed, E. F., Robien, M. A., Sarwal, M., Stempora, L., Warshaw, B., Zhao, C., Martinez, et al
2020
- **Relationship between antithymocyte globulin, T cell phenotypes, and clinical outcomes in pediatric kidney transplantation.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Shaw, B. I., Lee, H. J., Chan, C., Ettenger, R., Grimm, P., Pearl, M., Reed, E. F., Robien, M. A., Sarwal, M., Stempora, L., Warshaw, B., Zhao, C., Martinez, et al
2020
- **Characterization of Immune Phenotypes in Peripheral Blood of Adult Renal Transplant Recipients using Mass Cytometry (CyTOF)**
Kowli, S., Martinez, O. M., Lebrec, H., Minocherhomji, S., Maecker, H. T.
AMER ASSOC IMMUNOLOGISTS.2020
- **Genomic variations in EBNA3C of EBV associate with posttransplant lymphoproliferative disorder.** *JCI insight*
Maloney, E. M., Busque, V. A., Hui, S. T., Toh, J. n., Fernandez-Vina, M. n., Krams, S. M., Esquivel, C. O., Martinez, O. M.
2020; 5 (6)
- **Establishment of Heterotopic Hind Limb Transplantation Model in the Mouse.** *Transplantation proceedings*

- Wang, X. n., Harden, J. T., Sang, A. X., Esquivel, C. O., Martinez, O. n., Krams, S. M.
2020
- **Epstein-Barr Virus Latent Membrane Protein 1 Regulates Host B Cell MicroRNA-155 and Its Target FOXO3a via PI3K p110 alpha Activation** *FRONTIERS IN MICROBIOLOGY*
Hatton, O., Smith, M. M., Alexander, M., Mandell, M., Sherman, C., Stesney, M. W., Hui, S., Dohrn, G., Medrano, J., Ringwalt, K., Harris-Arnold, A., Maloney, E. M., Krams, et al
2019; 10
 - **Epstein-Barr Virus Latent Membrane Protein 1 Regulates Host B Cell MicroRNA-155 and Its Target FOXO3a via PI3K p110# Activation.** *Frontiers in microbiology*
Hatton, O., Smith, M. M., Alexander, M., Mandell, M., Sherman, C., Stesney, M. W., Hui, S. T., Dohrn, G., Medrano, J., Ringwalt, K., Harris-Arnold, A., Maloney, E. M., Krams, et al
2019; 10: 2692
 - **Evaluating for Human Herpesvirus 6 in the Liver Explants of Children With Liver Failure of Unknown Etiology** *JOURNAL OF INFECTIOUS DISEASES*
Yang, C. H., Sahoo, M. K., Fitzpatrick, M., Lau, A. H., Pinsky, B. A., Martinez, O. M.
2019; 220 (3): 361–69
 - **Biomarkers for PTLD diagnosis and therapies.** *Pediatric nephrology (Berlin, Germany)*
Martinez, O. M.
2019
 - **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
 - **Dual blockade of the PI3K/Akt/mTOR pathway inhibits posttransplant Epstein-Barr virus B cell lymphomas and promotes allograft survival** *AMERICAN JOURNAL OF TRANSPLANTATION*
Sang, A. X., McPherson, M. C., Ivison, G. T., Qu, X., Rigdon, J., Esquivel, C. O., Krams, S. M., Martinez, O. M.
2019; 19 (5): 1305–14
 - **Characterization of genomic alterations in EBV plus PTLD**
Krams, S. M., Arvedson, M., Maloney, E., Balachandran, Y., McPherson, M., Boyd, S. D., Esquivel, C. O., Martinez, O. M.
WILEY.2019
 - **Genomic diversity of Epstein-Barr Virus in post-transplant lymphoproliferative disorder**
Martinez, O., Maloney, E., Busque, V., Hui, S., Esquivel, C. O., Krams, S.
WILEY.2019
 - **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 PTL**
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 PTL**
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
- **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.
2018; 8
- **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. n., Weinberg, K. I., Boyd, S. D., Bernstein, D. n., Esquivel, C. O., Martinez, O. M., Krams, S. M.
2017; 8: 2666
- **Identifying specificity groups in the T cell receptor repertoire.** *Nature*

- Glanville, J. n., Huang, H. n., Nau, A. n., Hatton, O. n., Wagar, L. E., Rubelt, F. n., Ji, X. n., Han, A. n., Krams, S. M., Pettus, C. n., Haas, N. 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 BARTF1-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
 - **Mass cytometry reveals NK cell and T cell subsets in pediatric liver transplant patients with acute rejection**
Lau, A., Haas, K., Shawler, T., Esquivel, C. O., Martinez, O. M., Castillo, R. O., Krams, S. M.
LIPPINCOTT WILLIAMS & WILKINS.2016: S134
 - **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*
Dharnidharka, 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
- **T cell responses to Epstein Barr Virus infections in pediatric organ transplant recipients**
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