



Olivia Martinez

Johnson and Johnson Professor of Surgery
Surgery - Abdominal Transplantation

CONTACT INFORMATION

- **Administrative Contact**

Cynthia Leyva - Administrative Associate

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

Teaching

COURSES

2025-26

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

2024-25

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

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)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Jaime Yockteng Melgar

Doctoral (Program)

Jumana Afaghani, Filipe Araujo Hoffmann, Isha Arora, Gabe Barron, Preksha Bhagchandani, Nathaniel Bloom, Potchara Boonrat, Cort Breuer, Anthony Buzzanco, Leslie Chan, Christie Chang, Rebekah Costello, Alea Delmastro, Tejas Dharmaraj, Jessica Diarra, Markus Diehl, Maigane Diop, Rachel Ee, Jeanna Enriquez, Katie Fang, Anthony François, Keala Gapin, Ava Graham, Alyana Granados, Sebnem Gul, Norma Gutierrez, Christopher Heron, Karsten Householder, Ania Howley, Radeesha Jayewickreme, Chloe Kashiwagi, Karan Kathuria, Humza Khan, Hyungjin Kim, Soyeon Kim, Marcos Labrado, Keene Lee, Jianche Liu, Shuaitong Liu, Evan Maestri, Audre May, Alana McSween, Azam Mohsin, Yujung Park, Jeffrey Perera, Sonia Presti, Chris Geo Provido, Colin Raposo, Adonis Rubio, Sarah Sackey, David Seong, Vishnu Shankar, Yeongseo Son, Johnathon Soro, Alexander Stanford, Oliver Takacsi-Nagy, Fumi Tanizawa, Clove Taylor, Flora Tierney, Aaron Trotman-Grant, Xariana Vales Torres, Brenda Velasco, Amanda Verzosa, Eugenia Wang, Pat Yan, Izumi de los Rios Kobara

Postdoctoral Research Mentor

Ashley Haluck Kangas

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Immunology (Phd Program)

Publications

PUBLICATIONS

- **Six-Month Outcomes in Children With COVID-19 or Multisystem Inflammatory Syndrome in Children.** *Hospital pediatrics*
Howard, L. M., Wilkinson, J. D., Calvert, A., Stopczynski, T., Klintworth, S. R., Soslow, J. H., Spieker, A. J., Moore, P. E., Hilmes, M. A., Dalal, A. S., Ruth, N., Mahle, W. T., Schneider, et al
2026
- **Distinct tumor microenvironmental (TME) profiles of EBV positive and negative diffuse large B-cell lymphomas in the post-transplant setting (DLBCL-PT)**
Younes, S., Subramanian, A., Kume, A., Li, Y., Zhao, S., Zhang, H., Binkley, M., Martinez, O., Natkunam, Y.
ELSEVIER SCIENCE INC.2026
- **NKG2A+ NK cell cytotoxicity of Epstein-Barr virus infected B cells is mediated through the NKG2D and NKp30 activating receptors.** *Journal of immunology (Baltimore, Md. : 1950)*
Pena, J. K., Zhang, W., Badshah, J. S., Ledezma-Soto, C., Jenkins, K. C., Toh, J., Kirchner, V. A., Esquivel, C. O., Martinez, O. M., Krams, S. M.
2026; 215 (2)
- **Epstein-Barr virus reprograms autoreactive B cells as antigen-presenting cells in systemic lupus erythematosus.** *Science translational medicine*
Younis, S., Moutusy, S. I., Rasouli, S., Jahanbani, S., Pandit, M., Wu, X., Acharya, S., Sharpe, O., Wijeratne, T. U., Harris, M. L., Yang, E. Y., Chaichian, Y., Parsafar, et al
2025; 17 (824): eady0210
- **IL-17A-producing $\gamma\delta$ T cells and classical monocytes are associated with a rapid alloimmune response following vascularized composite allotransplantation in mice**
Tajima, T., Zhang, W., Han, S., Reitsma, A., Harden, J., Fuentes, S., Sonehara, A., Esquivel, C., Martinez, O. M., Krams, S. M.
OXFORD UNIV PRESS.2025
- **Single cell analysis reveals functional T cell deficits in transplant recipients with chronic Epstein-Barr Virus DNAemia compared to individuals with controlled infection**
Vizcarra, E. A., Liang, I., Esquivel, C. O., Krams, S. M., Martinez, O. M.
OXFORD UNIV PRESS.2025
- **Publisher Correction: TNF and type I interferon crosstalk controls the fate and function of plasmacytoid dendritic cells.** *Nature immunology*
Arroyo Hornero, R., Maqueda-Alfaro, R. A., Solís-Barbosa, M. A., Leylek, R. A., Medina Chavez, O., Martinez, O. M., Gottfried-Blackmore, A., Idoyaga, J.
2025
- **TNF and type I interferon crosstalk controls the fate and function of plasmacytoid dendritic cells.** *Nature immunology*
Arroyo Hornero, R., Maqueda-Alfaro, R. A., Solís-Barbosa, M. A., Leylek, R. A., Medina Chavez, O., Martinez, O. M., Gottfried-Blackmore, A., Idoyaga, J.
2025
- **IL-17A-producing $\gamma\delta$ T cells and classical monocytes are associated with a rapid alloimmune response following vascularized composite allotransplantation in mice.** *Frontiers in immunology*
Tajima, T., Zhang, W., Han, S., Reitsma, A., Harden, J. T., Fuentes, S., Sonehara, A., Esquivel, C. O., Martinez, O. M., Krams, S. M.
2025; 16: 1584916
- **Characterization of immune phenotypes in peripheral blood of adult renal transplant recipients using mass cytometry (CyTOF).** *ImmunoHorizons*
Kowli, S., Minocherhomji, S., Martinez, O. M., Busque, S., Lebrec, H., Maecker, H. T.

2025; 9 (4)

- **SEN2 as a critical regulator in liver ischemia-reperfusion injury.** *The international journal of biochemistry & cell biology*
Zhang, L., Han, S., Martinez, O., Krams, S.
2025: 106741
- **Defining Gene Signature of Tumor-Associated Macrophages in Intrahepatic Cholangiocarcinoma as Target for Immunotherapy Using Single Cell and Bulk RNA Sequencing** *Livers*
Badshah, J. S., Lee, R., Reitsma, A., Melcher, M. L., Martinez, O. M., Krams, S. M., Delitto, D. J., Kirchner, V. A.
2025; 5 (4): 1-17
- **Multi-modal analysis reveals tumor and immune features distinguishing EBV-positive and EBV-negative post-transplant lymphoproliferative disorders.** *Cell reports. Medicine*
Toh, J., Reitsma, A. J., Tajima, T., Younes, S. F., Ezeiruaku, C., Jenkins, K. C., Peña, J. K., Zhao, S., Wang, X., Lee, E. Y., Glass, M. C., Kalesinskas, L., Ganesan, et al
2024: 101851
- **Natural Killer Cell Phenotypes and Clinical Outcomes in Pediatric Kidney Transplantation.** *Pediatric transplantation*
Kahan, R. H., Abraham, N., Lee, H. J., Ettenger, R. B., Grimm, P. C., Reed, E. F., Reeves, R. K., Sarwal, M. M., Stempora, L. L., Warshaw, B. L., Kirk, A. D., Martinez, O. M., Chambers, et al
2024; 28 (8): e14877
- **Graft-derived extracellular vesicles transport miRNAs to modulate macrophage polarization after heart transplantation.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Zhang, L., Han, S., Enriquez, J., Martinez, O. M., Krams, S.
2024
- **Interleukin-33 and liver natural killer cells: A novel perspective on antitumor activity in liver fibrosis.** *Hepatology research : the official journal of the Japan Society of Hepatology*
Imaoka, Y., Ohira, M., Imaoka, K., Bekki, T., Nakano, R., Yano, T., Tanaka, Y., Nakayama, T., Akabane, M., Tajima, T., Yokota, S., Krams, S. M., Martinez, et al
2024
- **The IPTA Nashville consensus conference on post-transplant lymphoproliferative disorders after solid organ transplantation in children: IV-consensus guidelines for the management of post-transplant lymphoproliferative disorders in children and adolescents.** *Pediatric transplantation*
Allen, U. D., L'Huillier, A. G., Bollard, C. M., Gross, T. G., Hayashi, R. J., Höcker, B., Maecker-Kolhoff, B., Marks, S. D., Mazariegos, G. V., Smets, F., Trappe, R. U., Visner, G., Chinnock, et al
2024; 28 (5): e14781
- **Epstein-Barr virus-associated post-transplant lymphoproliferative disorders in pediatric transplantation: A prospective multicenter study in the United States.** *Pediatric transplantation*
Tajima, T., Martinez, O. M., Bernstein, D., Boyd, S. D., Gratzinger, D., Lum, G., Sasaki, K., Tan, B., Twist, C. J., Weinberg, K., Armstrong, B., Desai, D. M., Mazariegos, et al
2024; 28 (4): e14763
- **Investigating the role of Natural Killer cells in the control of latent Epstein-Barr virus infection**
Pena, J., Zhang, W., Esquivel, C., Martinez, O., Krams, S.
AMER ASSOC IMMUNOLOGISTS.2024
- **Immunophenotypic profiling reveals novel T cell subset associated with "tolerance" in pediatric transplant recipients**
Zhang, W., Rao, M., Amouzgar, M., Reitsma, A., Pena, J., Nova, P., Shah, A., Bendall, S., Esquivel, C., Martinez, O., Krams, S.
AMER ASSOC IMMUNOLOGISTS.2024
- **Application of Mass Cytometry Platforms to Solid Organ Transplantation.** *Transplantation*
Zhang, W., Sen, A., Pena, J. K., Reitsma, A., Alexander, O. C., Tajima, T., Martinez, O. M., Krams, S. M.
2024
- **Evaluating Predictors of Quality in Liver NK Cells Among Deceased Donors** *CELL TRANSPLANTATION*
Imaoka, Y., Ohira, M., Nakayama, T., Akabane, M., Tajima, T., Yokota, S., Krams, S. M., Martinez, O. M., Esquivel, C. O., Sasaki, K., Ohdan, H.
2024; 33

- **Evaluating Predictors of Quality in Liver NK Cells Among Deceased Donors.** *Cell transplantation*
Imaoka, Y., Ohira, M., Nakayama, T., Akabane, M., Tajima, T., Yokota, S., Krams, S. M., Martinez, O. M., Esquivel, C. O., Sasaki, K., Ohdan, H.
2024; 33: 9636897241283289
- **Effect of Cellular Senescence in Disease Progression and Transplantation: Immune Cells and Solid Organs.** *Transplantation*
Kirchner, V. A., Badshah, J. S., Hong, S. K., Martinez, O., Pruett, T. L., Niedernhofer, L. J.
2023
- **Impact of Induction Therapy on Rejection in Pediatric Transplantation: A Multicenter Study in the US**
Tajima, T., Chin, C., Desai, D. M., Fishbein, T. M., Mazariegos, G. V., Tekin, A., Venick, R., Krams, S. M., Martinez, O. M., Esquivel, C. O.
LIPPINCOTT WILLIAMS & WILKINS.2023: S495
- **311.2: Risk factors for Epstein-Barr virus DNAemia in pediatric transplantation: A multicenter study in the United States.** *Transplantation*
Tajima, T., Bernstein, D., Boyd, S. D., Gratzinger, D., Lum, G., Sasaki, K., Tan, B., Weinberg, K., Armstrong, B., Brown, M., Chin, C., Desai, D.,
Fishbein, et al
2023; 107 (10S1): 71-72
- **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., Maclver, 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., Lebec, 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 p110α 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 PTLN 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 PTLN**
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 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 Allotransplantation**
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
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