Stanford



Marcelo Fernandez Vina

Professor of Pathology

Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrative Contact**

  Sonja Lewis-Rogers - Administrative Assistant III

  Email sonja8@stanford.edu

  Tel 650-505-4812

Bio

BIO

Marcelo Fernández-Viña, Ph.D., D (ABHI) is a Professor for the Department of Pathology at Stanford University Medical School and serves as Director of the Histocompatibility, Immunogenetics and Disease Profiling Laboratory at this institution. He has been working in the fields of Histocompatibility and Immunogenetics since 1982. He earned a degree in Biochemistry from the School of Basic Sciences in Rosario, Argentina, and his Ph.D. in Internal Medicine from the University of Buenos Aires Medical School in Argentina. Previously he held a position as a Professor in the Department of Laboratory Medicine at the University of Texas M.D. Anderson Cancer Center in Houston. He has more than 180 peer reviewed publications, many of them focusing on HLA variation in multiple world populations, identifying susceptibility and resistance factors for diseases and in the impact of HLA mismatches in allogeneic transplantation; and 59 book chapters. He served as expert Consultant for Donor Searches for NMDP and as President Elect, President and Past President of the American Society for Histocompatibility and Immunogenetics. He served as a member of the Board of Directors and the Executive Committee for the United Network for Organ Sharing. He served as Co-Chair of the Immunobiology Committee of the CIBMTR; He also served as a member of the HHS Advisory Council on Blood Stem Cell Transplantation (ACBSCT).He serves as HLA Expert Consultant for the NMDP for the HRSA contract and is a member of the Histocompatibility Advisory Group for NMDP. He is Councilor of the International Histocompatibility Workshop and a member of the WHO Nomenclature Committee for Factors of the HLA System and was Chairman of the (17th) International HLA & Immunogenetics Workshop, and Past President of the International HLA & Immunogenetics Workshop.

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Pathology

Publications

PUBLICATIONS

- **2026 update of the serologic nomenclature for factors of the HLA system; Its impact in listing unacceptable HLA antigens and DSA assessment**

  Fernandez Vina, M., Marsh, S. J., Osoegawa, K.

  LIPPINCOTT WILLIAMS & WILKINS.2026: S405-S406

- **Fine-Mapping of HLA Effects in Oral and Non-Oral Lichen Planus.** *HLA*

Ritari, J., Reeve, M. P., FinnGen, M. S., Vehvilainen, M., Salo, T., Osoegawa, K., Vina, M. F., Goudey, B., Partanen, J., Mignot, E. J.
2026; 108 (1): e70809

- **Signatures of pathogen-driven selection and Austronesian gene flow of Papua New Guinea HLA alleles.** *American journal of human genetics*
  Font-Porterias, N., Nemat-Gorgani, N., Kichula, K. M., Al-Hindi, D. R., Harrison, G. F., Tao, S., Zhu, F., Montero-Martin, G., Fernández-Viña, M. A., Guethlein, L. A., Parham, P., Oppenheimer, S. J., Ioannidis, et al
  2026
- **Shared Epitope-Positive HLA Alleles Protect Against Alpha-Synuclein Pathology in a Model of Parkinson Disease.** *Neurology(R) neuroimmunology & neuroinflammation*
  Carver, J. J., Pugh, B. A., Ma, Q., Caillier, S. J., Denbrock, R. R., Martines, C. C., Puckett, A. E., Roberson, T. C., Fernandez-Viña, M. A., Hollenbach, J. A., Oksenberg, J., Holoshitz, J., Didonna, et al
  2026; 13 (3): e200580
- **HLA Associations Differ by Ethnicity and Aquaporin-4 Antibody Status in Patients With Neuromyelitis Optica Spectrum Disorders.** *Neurology(R) neuroimmunology & neuroinflammation*
  Niederschweiberer, M., Panagiotaropoulou, G., Fernandez-Viña, M. A., Montero-Martin, G., Osoegawa, K., Behne, M., Franke, A., Lieb, W., Jarius, S., Wildemann, B., Schindler, P., Otto, C., Paul, et al
  2026; 13 (3): e200562
- **Serology 2026 Project for the 19th International HLA and Immunogenetics Workshop**
  Osoegawa, K., Wang, L., Fernandez-Vina, M.
  WILEY.2026
- **Nomenclature for Factors of the HLA System, 2026.** *HLA*
  Marsh, S. G., Osoegawa, K., Bodmer, W. F., Bontrop, R. E., Carrington, M. N., Erlich, H. A., Heidt, S., Holdsworth, R., Mayr, W. R., Maiers, M., Parham, P., Petersdorf, E. W., Robinson, et al
  2026; 107 (3): e70595
- **Replacements at Structural or Functional Dimorphisms 103, 109 and 167 Distinguish HLA Class I Serologically Defined Antigens.** *HLA*
  Osoegawa, K., Son, J., Yim, K., Marsh, S. G., Fernández Viña, M. A.
  2025; 106 (3): e70387
- **Allogeneic Hematopoietic Cell Donor Selection: Contemporary Guidelines from the NMDP/CIBMTR.** *Transplantation and cellular therapy*
  Jimenez Jimenez, A. M., Spellman, S. R., Politikos, I., McCurdy, S. R., Devine, S. M., Malki, M. M., Bolon, Y. T., Lee, S. J., Dehn, J., Pidala, J., Maiers, M., Askar, M., Malmberg, et al
  2025
- **Profiling the genetic diversity of the HLA system in Mexico using 9-locus allele and haplotype frequencies from donors in the NMDP Mexico donor center.** *Human immunology*
  Madbouly, A., Bashyal, P., Banos, A., Ramirez, J., Whitaker, C., Fernandez-Vina, M., Springer, B., Ybarra, Y., Maiers, M., Bolon, Y. T.
  2025; 86 (4): 111324
- **Replacements at Structural or Functional Dimorphisms 103, 109 and 167 Distinguish HLA Class I Serologically Defined Antigens**
  Osoegawa, K., Son, J., Yim, K., Fernandez-Vina, M. A.
  WILEY.2025
- **The Allele A*68:26 Assigned to A-6801 SEROTYPE Does Not React With A68 Specific Sera of a Commercial Typing Kit-A Case Report**
  Ulrich, S., Fernandez-Vina, M. A., Osoegawa, K., Posch, U.
  WILEY.2025
- **Replacements at Structural or Functional Dimorphisms 103, 109 and 167 Distinguish HLA Class I Serologically Defined Antigens**
  Osoegawa, K., Son, J., Yim, K., Fernandez-Vina, M. A.
  WILEY.2025
- **The Allele A*68:26 Assigned to A-6801 SEROTYPE Does Not React With A68 Specific Sera of a Commercial Typing Kit-A Case Report**
  Ulrich, S., Fernandez-Vina, M. A., Osoegawa, K., Posch, U.
  WILEY.2025
- **HLA allele and haplotype frequencies of eight Indian populations based on 130,518 registered stem cell donors.** *Frontiers in immunology*
  Solloch, U. V., Kaniyath Madhusoodhanan, C., Lange, V., Sauter, J., Jagannathan, L., Paul, P., Fernández-Viña, M. A., Schmidt, A. H.

2025; 16: 1528177

- **Three Fields Allelic Haplotype Frequencies of HLA-DPA1 and-DPB1 Typed by Next Generation Sequencing of 563 Families in Chinese Han Population** *HLA*
  Wang, J., He, J., Li, Z., Zhu, Y., Cao, D., Fu, H., Zhang, X., Fernandez-Vina, M. A., Rozemuller, E., Liu, X.
  2024; 104 (6)

- **An archaic HLA class I receptor allele diversifies natural killer cell-driven immunity in First Nations peoples of Oceania.** *Cell*
  Loh, L., Saunders, P. M., Faoro, C., Font-Porterias, N., Nemat-Gorgani, N., Harrison, G. F., Sadeeq, S., Hensen, L., Wong, S. C., Widjaja, J., Clemens, E. B., Zhu, S., Kichula, et al
  2024

- **A new strategy for systematically classifying HLA alleles into serological specificities: Update and refinement.** *HLA*
  Osoegawa, K., Yim, K., Jeracki, M., Nguyen, T. N., Wang, L., Cho, A., David, R., Son, J., Mankey, A., Marsh, S. G., Gendzekhadze, K., Murphey, C., Fernández Viña, et al
  2024; 104 (4): e15702

- **ASTCT Consensus Recommendations on Testing and Treatment of Patients with Donor-specific Anti-HLA Antibodies.** *Transplantation and cellular therapy*
  Kongtim, P., Vittayawacharin, P., Zou, J., Srour, S., Shaffer, B., Shapiro, R. M., Varma, A., McGuirk, J., Dholaria, B. R., McCurdy, S. R., DeZern, A. E., Bejanyan, N., Bashey, et al
  2024

- **Interleukin(IL)-1/IL-6-inhibitor-associated drug reaction with eosinophilia and systemic symptoms (DReSS) in systemic inflammatory illnesses.** *The journal of allergy and clinical immunology. In practice*
  Saper, V. E., Tian, L., Verstegen, R. H., Conrad, C. K., Cidon, M., Hopper, R. K., Kuo, C. S., Osoegawa, K., Baszis, K., Bingham, C. A., Ferguson, I., Hahn, T., Horne, et al
  2024

- **Curating Genetic Associations with Rheumatologic Autoimmune Diseases to Improve Patient Outcomes.** *Arthritis & rheumatology (Hoboken, N.J.)*
  Bridges, S. L., Shapira, R., Aksentijevich, I., Mack, S. J., Merriman, T. R., Klein, C. J., Bowen, B. M., Klein, T. E.
  2024

- **The Impact of Patterns in Linkage Disequilibrium and Sequencing Quality on the Imprint of Balancing Selection.** *Genome biology and evolution*
  Hayeck, T. J., Li, Y., Mosbruger, T. L., Bradfield, J. P., Gleason, A. G., Damianos, G., Shaw, G. T., Duke, J. L., Conlin, L. K., Turner, T. N., Fernandez-Vina, M. A., Sarmady, M., Monos, et al
  2024

- **High-resolution DNA methylation screening of the major histocompatibility complex in multiple sclerosis.** *Frontiers in neurology*
  Ma, Q., Augusto, D. G., Montero-Martin, G., Caillier, S. J., Osoegawa, K., Cree, B. A., Hauser, S. L., Didonna, A., Hollenbach, J. A., Norman, P. J., Fernandez-Vina, M., Oksenberg, J. R.
  2023; 14: 1326738

- **Exceptional diversity of KIR and HLA class I in Egypt.** *HLA*
  Montero-Martin, G., Kichula, K. M., Misra, M. K., de Brito Vargas, L., Marin, W. M., Hollenbach, J. A., Fernandez-Vina, M. A., Elfishawi, S., Norman, P. J.
  2023

- **HLA allele and haplotype frequencies of registered stem cell donors in Chile.** *Frontiers in immunology*
  Solloch, U. V., Giani, A. S., Pattillo Garnham, M. I., Sauter, J., Bernas, S. N., Lange, V., Barriga, F., Fernández-Viña, M. A., Schmidt, A. H.
  2023; 14: 1175135

- **HLA-Bw4 is Associated with Pediatric Acute-Onset Neuropsychiatric Syndrome (PANS)**
  Kizer, K., Augusto, D., Montero-Martin, G., Schlenk, N., Horgan, J., Wade, K., Oksenberg, J., Fernandez-Vina, M., Frankovich, J., Hollenbach, J. A.
  WILEY.2023: 365

- **HLA variants associated with sarcoidosis and their tag single nucleotide polymorphisms in Czechs**
  Sikorova, K., Doubkova, M., Strnad, A., Kocourkova, L., Petrkova, J., Osoegawa, K., Fernandez-Vina, M. A., Petrek, M.
  WILEY.2023: 372-373

- **Spherotech-EDTA combined serum treatment reduces background more effectively as compared to One Lambda Adsorb Out™ and LIFECODES Serum Cleaner in Luminex-based solid-phase immunoassays for HLA antibody detection.** *HLA*
  Misra, M. K., Weidner, J. G., Upchurch, R. L., Mankey, A. M., Fernandez-Viña, M. A., Marino, S. G.
  2023

- **Analysis of Cross-sectional and Longitudinal HLA and Anti-viral Responses After COVID Infection in Renal Allograft Recipients: Differences and Correlates.** *Transplantation*
  Girnita, A. L., Wang, L., Colovai, A. I., Ahearn, P., Azzi, Y., Menon, M. C., Fernandez-Vina, M., Gebel, H. M., Steve Woodle, E., Cravedi, P., Maltzman, J. S., Akalin, E.
  2022

- **Deconvoluting complex correlates of COVID-19 severity with a multi-omic pandemic tracking strategy.** *Nature communications*
  Parikh, V. N., Ioannidis, A. G., Jimenez-Morales, D., Gorzynski, J. E., De Jong, H. N., Liu, X., Roque, J., Cepeda-Espinoza, V. P., Osoegawa, K., Hughes, C., Sutton, S. C., Youlton, N., Joshi, et al
  2022; 13 (1): 5107

- **Current HLA testing recommendations to support HCT.** *Human immunology*
  Yu, N., Askar, M., Wadsworth, K., Gragert, L., Fernandez-Vina, M. A.
  2022

- **Serology 2022: An update of the serologic classification based on structural features of all alleles (present and future) at 11 HLA loci alleles**
  Osoegawa, K., Marsh, S. G. E., Holdsworth, R., Heidt, S., Fischer, G., Murphey, C., Maiers, M., Fernandez-Vina, M.
  WILEY.2022: 469

- **HLA variants and severe COVID-19: Preliminary report from Czechia**
  Sikorova, K., Gavronova, A., Petrkova, J., Kocourkova, L., Osoegawa, K., Fernandez-Vina, M. A., Petrek, M.
  WILEY.2022: 527

- **Complement-Binding Donor-Specific Anti-HLA Antibodies: Biomarker for Immunologic Risk Stratification in Pediatric Kidney Transplantation Recipients.** *Transplant international : official journal of the European Society for Organ Transplantation*
  Sigurjonsdottir, V. K., Purington, N., Chaudhuri, A., Zhang, B. M., Fernandez-Vina, M., Palsson, R., Kambham, N., Charu, V., Piburn, K., Maestretti, L., Shah, A., Gallo, A., Concepcion, et al
  2022; 35: 10158

- **Severe delayed hypersensitivity reactions to IL-1 and IL-6 inhibitors link to common HLA-DRB1*15 alleles.** *Annals of the rheumatic diseases*
  Saper, V. E., Ombrello, M. J., Tremoulet, A. H., Montero-Martin, G., Prahalad, S., Canna, S., Shimizu, C., Deutsch, G., Tan, S. Y., Remmers, E. F., Monos, D., Hahn, T., Phadke, et al
  2021

- **Remarkably low KIR and HLA diversity in Amerindians reveals signatures of strong purifying selection shaping the centromeric KIR region.** *Molecular biology and evolution*
  Vargas, L. d., Beltrame, M. H., Ho, B., Marin, W. M., Dandekar, R., Montero-Martin, G., Fernandez-Vina, M. A., Hurtado, A. M., Hill, K. R., Tsuneto, L. T., Hutz, M. H., Salzano, F. M., Petzl-Erler, et al
  2021

- **Challenges for the standardized reporting of NGS HLA genotyping: Surveying gaps between clinical and research laboratories.** *Human immunology*
  Osoegawa, K., Montero-Martin, G., Mallempati, K. C., Bauer, M., Milius, R. P., Maiers, M., Fernandez-Vina, M. A., Mack, S. J.
  2021

- **High Resolution Haplotype Analyses of Classical HLA Genes in Families With Multiple Sclerosis Highlights the Role of HLA-DP Alleles in Disease Susceptibility.** *Frontiers in immunology*
  Osoegawa, K., Creary, L. E., Montero-Martín, G., Mallempati, K. C., Gangavarapu, S., Caillier, S. J., Santaniello, A., Isobe, N., Hollenbach, J. A., Hauser, S. L., Oksenberg, J. R., Fernández-Viña, M. A.
  2021; 12: 644838

- **High Resolution Haplotype Analyses of Classical HLA Genes in Families With Multiple Sclerosis Highlights the Role of HLA-DP Alleles in Disease Susceptibility** *FRONTIERS IN IMMUNOLOGY*
  Osoegawa, K., Creary, L. E., Montero-Martin, G., Mallempati, K. C., Gangavarapu, S., Caillier, S. J., Santaniello, A., Isobe, N., Hollenbach, J. A., Hauser, S. L., Oksenberg, J. R., Fernandez-Vina, M. A.

2021; 12

- **High-resolution HLA allele and haplotype frequencies in several unrelated populations determined by next generation sequencing: 17th International HLA and Immunogenetics Workshop joint report.** *Human immunology*

  Creary, L. E., Sacchi, N., Mazzocco, M., Morris, G. P., Montero-Martin, G., Chong, W., Brown, C. J., Dinou, A., Stavropoulos-Giokas, C., Gorodezky, C., Narayan, S., Periathiruvadi, S., Thomas, et al

  2021

- **SELECTION OF AMINO ACIDS THAT DEFINE SEROLOGIC EPITOPES USED TO ASSIGN SYSTEMATICALLY COMMON SEROTYPES TO ALL PRESENT AND FUTURE HLA ALLELES**

  Osoegawa, K., Fernandez-Vina, M. A.

  WILEY.2021: 311

- **Behcet disease, New insights in disease associations and manifestations. A next generation sequencing study.** *Clinical and experimental immunology*

  Elfishawi, M., Mossallam, G., Augusto, D., Montero-Martin, G., de Bruin, H., Van de Pasch, L., Norman, P. J., Rozemuller, E., Fernandez-Vina, M., Abrudescu, A., Hollenbach, J. A., Zaky, K., Elfishawi, et al

  2021

- **High-Resolution Characterization of KIR Genes in a Large North American Cohort Reveals Novel Details of Structural and Sequence Diversity.** *Frontiers in immunology*

  Amorim, L. M., Augusto, D. G., Nemat-Gorgani, N., Montero-Martin, G., Marin, W. M., Shams, H., Dandekar, R., Caillier, S., Parham, P., Fernandez-Vina, M. A., Oksenberg, J. R., Norman, P. J., Hollenbach, et al

  2021; 12: 674778

- **Next-Generation Sequencing Identifies Extended HLA Class I and II Haplotypes Associated With Early-Onset and Late-Onset Myasthenia Gravis in Italian, Norwegian, and Swedish Populations.** *Frontiers in immunology*

  Creary, L. E., Gangavarapu, S., Caillier, S. J., Cavalcante, P., Frangiamore, R., Lie, B. A., Bengtsson, M., Harbo, H. F., Brauner, S., Hollenbach, J. A., Oksenberg, J. R., Bernasconi, P., Maniaol, et al

  2021; 12: 667336

- **HLA-haplotype loss after TCRalphabeta/CD19-depleted haploidentical HSCT.** *Bone marrow transplantation*

  Shyr, D. C., Zhang, B. M., Saini, G., Madani, N. D., Schultz, L. M., Patel, S., Kristovich, K., Fernandez-Vina, M., Bertaina, A.

  2020

- **Specific class I HLA supertypes but not HLA zygosity or expression are associated with outcomes following HLA-matched allogeneic hematopoietic cell transplant: HLA supertypes impact allogeneic HCT outcomes.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*

  Camacho-Bydume, C., Wang, T., Sees, J. A., Fernandez-Vina, M., Abid, M. B., Askar, M., Beitinjaneh, A., Brown, V., Castillo, P., Chharbra, S., Gadalla, S. M., Hsu, J., Kamoun, et al

  2020

- **Association of Human Leukocyte Antigens Class II Variants with Susceptibility to Hidradenitis Suppurativa in a Caucasian Spanish Population.** *Journal of clinical medicine*

  Ocejo-Vinyals, J. G., Gonzalez-Gay, M. A., Fernandez-Vina, M. A., Cantos-Mansilla, J., Vilanova, I., Blanco, R., Gonzalez-Lopez, M. A.

  2020; 9 (10)

- **ASSOCIATION OF EXTENDED HLA CLASS I AND II HAPLOTYPES WITH EARLY-ONSET AND LATE-ONSET MYASTHENIA GRAVIS IN ITALIAN, NORWEGIAN, AND SWEDISH POPULATIONS**

  Creary, L. E., Gangavarapu, S., Caillier, S., Cavalcante, P., Lie, B. A., Bengtsson, M., Harbo, H., Brauner, S., Hollenbach, J., Oksenberg, J. R., Maniaol, A., Hammarstrom, L., Mantegazza, et al

  WILEY.2020: 282

- **A NEW STRATEGY FOR SYSTEMATICALLY CLASSIFYING HLA ALLELES INTO SEROLOGICAL SPECIFICITIES**

  Osoegawa, K., Fernandez-Vina, M. A.

  WILEY.2020: 317

- **Diversity of HLA Class I and Class II blocks and conserved extended haplotypes in Lacandon Mayans.** *Scientific reports*

  Barquera, R., Zuniga, J., Flores-Rivera, J., Corona, T., Penman, B. S., Hernandez-Zaragoza, D. I., Soler, M., Jonapa-Gomez, L., Mallempati, K. C., Yescas, P., Ochoa-Morales, A., Barsakis, K., Aguilar-Vazquez, et al

  2020; 10 (1): 3248

- **Interrogating the impact of KIR ligand mismatch in engraftment following HLA-disparate stem cell transplantation.** *Bone marrow transplantation*

  Li, L. n., Kolk, M. n., Fernandez-Vina, M. n., de Lima, M. n., Otegbeye, F. n.

  2020

- **Capturing Differential Allele-Level Expression and Genotypes of All Classical HLA Loci and Haplotypes by a New Capture RNA-Seq Method.** *Frontiers in immunology*

  Yamamoto, F., Suzuki, S., Mizutani, A., Shigenari, A., Ito, S., Kametani, Y., Kato, S., Fernandez-Vina, M., Murata, M., Morishima, S., Morishima, Y., Tanaka, M., Kulski, et al

  2020; 11: 941

- **Mixed chimerism and acceptance of kidney transplants after immunosuppressive drug withdrawal.** *Science translational medicine*

  Busque, S. n., Scandling, J. D., Lowsky, R. n., Shizuru, J. n., Jensen, K. n., Waters, J. n., Wu, H. H., Sheehan, K. n., Shori, A. n., Choi, O. n., Pham, T. n., Fernandez Vina, M. A., Hoppe, et al

  2020; 12 (528)

- **Tools for building, analyzing and evaluating HLA haplotypes from families**

  Osoegawa, K., Mack, S. J., Prestegaard, M., Fernandez-Vina, M. A.

  ELSEVIER SCIENCE INC.2019: 633–43

- **Selection of Unrelated Donors and Cord Blood Units for Hematopoietic Cell Transplantation: Guidelines from NMDP/CIBMTR.** *Blood*

  Dehn, J., Spellman, S., Hurley, C. K., Shaw, B. E., Barker, J. N., Burns, L. J., Confer, D. L., Eapen, M., Fernandez-Vina, M. A., Hartzman, R., Maiers, M., Marino, S. R., Mueller, et al

  2019

- **HLA alleles and haplotypes observed in 263 US families.** *Human immunology*

  Osoegawa, K., Mallempati, K. C., Gangavarapu, S., Oki, A., Gendzekhadze, K., Marino, S. R., Brown, N. K., Bettinotti, M. P., Weimer, E. T., Montero-Martin, G., Creary, L. E., Vayntrub, T. A., Chang, et al

  2019

- **The European Society for Blood and Marrow Transplantation (EBMT) Consensus Guidelines for the Detection and Treatment of Donor-specific Anti-HLA Antibodies (DSA) in Haploidentical Hematopoietic Cell Transplantation (vol 53, pg 521, 2018)** *BONE MARROW TRANSPLANTATION*

  Ciurea, S. O., Cao, K., Fernandez-Vina, M., Kongtim, P., Al Malki, M., Fuchs, E., Luznik, L., Huang, X., Ciceri, F., Locatelli, F., Aversa, F., Castagna, L., Bacigalupo, et al

  2019; 54 (5): 784

- **THE SHARED EPITOPE OF HLA-DRB1 MEDIATES RISK AND INTERACTS WITH SMOKING HISTORY IN PARKINSON'S DISEASE**

  Hollenbach, J. A., Norman, P. J., Creary, L. E., Damotte, V., Martin, G., Caillier, S., Anderson, K., Misra, M. K., Nemat-Gorgani, N., Osoegawa, K., Marino, W. M., Dandekar, R., Fernandez-Vina, et al

  WILEY.2019: 264–65

- **DEEP ANALYSIS OF KIR2DL1 AND KIR3DL1S1 BY NEXT GENERATION SEQUENCING IN 3,695 INDIVIDUALS IDENTIFIES NOVEL VARIANTS WITH POSSIBLE FUNCTIONAL RELEVANCE**

  Augusto, D. G., Nemat-Gorgani, N., Montero-Martin, G., Marin, W., Dendekar, R., Parham, P., Fernandez-Vina, M. A., Oksenberg, J. R., Norman, P. J., Hollenbach, J. A.

  WILEY.2019: 286

- **ALLELIC POLYMORPHISM IN KIR3DL1S1 MEDIATES RISK IN MULTIPLE SCLEROSIS AND IS ASSOCIATED WITH INCREASED RELAPSE RATE AND BRAIN LESION BURDEN**

  Anderson, K., Marin, W., Dandekar, R., Augusto, D., Nemat-Gorgani, N., Parham, P., Fernandez-Vina, M., Oksenberg, J., Norman, P. J., Hollenbach, J.

  WILEY.2019: 284–85

- **Deconstruction of HLA-DRB1*04:01:01 and HLA-DRB1*15:01:01 class II haplotypes using next-generation sequencing in European-Americans with multiple sclerosis** *MULTIPLE SCLEROSIS JOURNAL*

  Creary, L. E., Mallempati, K. C., Gangavarapu, S., Caillier, S. J., Oksenberg, J. R., Fernandez-Vina, M. A.

  2019; 25 (6): 772–82

- **HIGH-RESOLUTION HLA ALLELIC AND HAPLOTYPIC ASSOCIATION WITH MULTIPLE SCLEROSIS IN SPANISH POPULATION USING NEXT-GENERATION SEQUENCING**

Montero-Martin, G., Llufriu, S., Sepulveda, M., Armangue, T., Osoegawa, K., Mallempati, K. C., Gangavarapu, S., Creary, L. E., Caillier, S., Oksenberg, J. R., Villoslada, P., Saiz, A., Fernandez-Vina, et al

WILEY.2019: 340

- **DETERMINATION OF HLA HAPLOTYPES IN CZECH POPULATION USING NGS TYPING A FAMILY STUDY**

  Petrek, M., Osoegawa, K., Gangavarapu, S., Kocourkova, L., Creary, L. E., Vayntrub, T., Fernandez-Vina, M. A.

  WILEY.2019: 343–44

- **HLA HAPLOTYPES IN 250 FAMILIES: A CORE NGS TESTING MODEL FOR THE 17TH INTERNATIONAL HLA AND IMMUNOGENETICS WORKSHOP**

  Askar, M., Madbouly, A., Zhrebker, L., Willis, A., Kennedy, S., Padros, K., Rodriguez, M., Bach, C., Spriewald, B. M., Ameen, R., Al Shemmari, S., Terassi, K., Tsirogianni, et al

  WILEY.2019: 270–71

- **FINE-SCALE DNA SEQUENCE ANALYSIS OF NINE HLA GENES SUGGESTS A DUAL ORIGIN OF THE VIETNAMESE CHAM**

  Goeury, T., Creary, L. E., Fernandez-Vina, M. A., An Vu-Trieu, Nunes, J., Sanchez-Mazas, A.

  WILEY.2019: 338–39

- **SEGREGATION OF EXTENDED HLA HAPLOTYPES IN FAMILIES FROM JAMAICA: A STUDY UNDER THE 17TH INTERNATIONAL HLA AND IMMUNOGENETICS WORKSHOP**

  Askar, M., Charlton, R. K., Dunk, A., Willis, A., Williams, J. D., Knudsen, T., Robinson, J., Kennedy, S., Nelson, W., Geraghty, D. E., Osoegawa, K., Fernandez-Vina, M. A.

  WILEY.2019: 341

- **A specific amino acid motif of HLA-DRB1 mediates risk and interacts with smoking history in Parkinson's disease** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

  Hollenbach, J. A., Norman, P. J., Creary, L. E., Damotte, V., Montero-Martin, G., Caillier, S., Anderson, K. M., Misra, M. K., Nemat-Gorgani, N., Osoegawa, K., Santaniello, A., Renschen, A., Marin, et al

  2019; 116 (15): 7419–24

- **Quality control project of NGS HLA genotyping for the 17th International HLA and Immunogenetics Workshop**

  Osoegawa, K., Vayntrub, T. A., Wenda, S., De Santis, D., Barsakis, K., Ivanova, M., Hsu, S., Barone, J., Holdsworth, R., Diviney, M., Askar, M., Willis, A., Railton, et al

  ELSEVIER SCIENCE INC.2019: 228–36

- **A specific amino acid motif of HLA-DRB1 mediates risk and interacts with smoking history in Parkinson's disease.** *Proceedings of the National Academy of Sciences of the United States of America*

  Hollenbach, J. A., Norman, P. J., Creary, L. E., Damotte, V., Montero-Martin, G., Caillier, S., Anderson, K. M., Misra, M. K., Nemat-Gorgani, N., Osoegawa, K., Santaniello, A., Renschen, A., Marin, et al

  2019

- **Next-generation HLA typing of 382 International Histocompatibility Working Group reference B-Lymphoblastoid cell lines: report from the 17th International HLA and Immunogenetics Workshop.** *Human immunology*

  Creary, L. E., Guerra, S. G., Chong, W., Brown, C. J., Turner, T. R., Robinson, J., Bultitude, W. P., Mayor, N. P., Marsh, S. G., Saito, K., Lam, K., Duke, J. L., Mosbruger, et al

  2019

- **Letter to the Editor regarding "Recipients receiving better HLA-matched hematopoietic cell transplantation grafts, uncovered by a novel HLA typing method, have superior survival: A retrospective study": 2019 May 2 Letter to the Editor Biology of Blood and Marrow Transplantation.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*

  Hurley, C. K., Spellman, S. n., Dehn, J. n., Barker, J. N., Devine, S. n., Fernandez-Vina, M. n., Gautreaux, M. n., Logan, B. n., Maiers, M. n., Mueller, C. n., Perales, M. A., Yu, N. n., Pidala, et al

  2019

- **Correction: The European Society for Blood and Marrow Transplantation (EBMT) Consensus Guidelines for the Detection and Treatment of Donor-specific Anti-HLA Antibodies (DSA) in Haploidentical Hematopoietic Cell Transplantation.** *Bone marrow transplantation*

  Ciurea, S. O., Cao, K., Fernandez-Vina, M., Kongtim, P., Malki, M. A., Fuchs, E., Luznik, L., Huang, X., Ciceri, F., Locatelli, F., Aversa, F., Castagna, L., Bacigalupo, et al

  2018

- **Donor-specific anti-HLA antibodies in unrelated hematopoietic cell transplantation for non-malignant disorders.** *Bone marrow transplantation*

Woolfrey, A., Wang, T., Lee, S. J., Haagenson, M. D., Chen, G., Fleischhauer, K., Horan, J., Hsu, K., Verneris, M., Spellman, S. R., Fernandez-Vina, M.

2018

- **The European Society for Blood and Marrow Transplantation (EBMT) Consensus Guidelines for the Detection and Treatment of Donor-specific Anti-HLA Antibodies (DSA) in Haploidentical Hematopoietic Cell Transplantation** *BONE MARROW TRANSPLANTATION*
  Ciurea, S. O., Cao, K., Fernadez-Vina, M., Kongtim, P., Al Malki, M., Fuchs, E., Luznik, L., Huang, X., Ciceri, F., Locatelli, F., Aversa, F., Castagna, L., Bacigalupo, et al
  2018; 53 (5): 521–34

- **Diversity in exon 5 of HLA-C*04:01:01G is significant in anthropological studies (vol 77, pg 426, 2016)** *HUMAN IMMUNOLOGY*
  Dunn, P. P. J., Lamb, G., Selwyn, C., Compton, J., Yang, E., Maiers, M., Fernandez-Vina, M.
  2016; 77 (10): 1004

- **Complement-Binding Donor-Specific Anti-HLA Antibodies and Risk of Primary Graft Failure in Hematopoietic Stem Cell Transplantation.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*
  Ciurea, S. O., Thall, P. F., Milton, D. R., Barnes, T. H., Kongtim, P., Carmazzi, Y., López, A. A., Yap, D. Y., Popat, U., Rondon, G., Lichtiger, B., Aung, F., Afshar-Kharghan, et al
  2015; 21 (8): 1392-8

- **Are changes in HLA Ags responsible for leukemia relapse after HLA-matched allogeneic hematopoietic SCT?** *Bone marrow transplantation*
  Hamdi, A., Cao, K., Poon, L. M., Aung, F., Kornblau, S., Fernandez Vina, M. A., Champlin, R. E., Ciurea, S. O.
  2015; 50 (3): 411-413

- **HLA-DPB1 and HLA Class I Confer Risk of and Protection from Narcolepsy.** *American journal of human genetics*
  Ollila, H. M., Ravel, J., Han, F., Faraco, J., Lin, L., Zheng, X., Plazzi, G., Dauvilliers, Y., Pizza, F., Hong, S., Jennum, P., Knudsen, S., Kornum, et al
  2015; 96 (1): 136-146

- **Recommendations for Donor Human Leukocyte Antigen Assessment and Matching for Allogeneic Stem Cell Transplantation: Consensus Opinion of the Blood and Marrow Transplant Clinical Trials Network (BMT CTN).** *Biology of blood and marrow transplantation*
  Howard, C. A., Fernandez-Vina, M. A., Appelbaum, F. R., Confer, D. L., Devine, S. M., Horowitz, M. M., Mendizabal, A., Laport, G. G., Pasquini, M. C., Spellman, S. R.
  2015; 21 (1): 4-7

- **HLA-DQ Allele Competition in Narcolepsy: A Comment on Tafti et al. DQB1 locus alone explains most of the risk and protection in narcolepsy with cataplexy in Europe** *SLEEP*
  Ollila, H. M., Fernandez-Vina, M., Mignot, E.
  2015; 38 (1): 147-151

- **HLA allotype expressivity in transplantation** *BLOOD*
  Fernandez-Vina, M.
  2014; 124 (26): 3839–40

- **HLA DQB1*06:02 Negative Narcolepsy with Hypocretin/Orexin Deficiency** *SLEEP*
  Han, F., Lin, L., Schormair, B., Pizza, F., Plazzi, G., Ollila, H. M., Nevsimalova, S., Jennum, P., Knudsen, S., Winkelmann, J., Coquillard, C., Babrzadeh, F., Strom, et al
  2014; 37 (10): 1601-1608

- **HLA DQB1*06:02 negative narcolepsy with hypocretin/orexin deficiency.** *Sleep*
  Han, F., Lin, L., Schormair, B., Pizza, F., Plazzi, G., Ollila, H. M., Nevsimalova, S., Jennum, P., Knudsen, S., Winkelmann, J., Coquillard, C., Babrzadeh, F., Strom, et al
  2014; 37 (10): 1601-1608

- **Validation of statistical imputation of allele-level multilocus phased genotypes from ambiguous HLA assignments** *TISSUE ANTIGENS*
  Madbouly, A., Gragert, L., Freeman, J., Leahy, N., Gourraud, P., Hollenbach, J. A., Kamoun, M., Fernandez-Vina, M., Maiers, M.
  2014; 84 (3): 285-292

- **Risk associations between HLA-DPB1 T-cell epitope matching and outcome of unrelated hematopoietic cell transplantation are independent of HLA-DPA1.** *Bone marrow transplantation*
  Fleischhauer, K., Fernandez-Viña, M. A., Wang, T., Haagenson, M., Battiwalla, M., Baxter-Lowe, L. A., Ciceri, F., Dehn, J., Gajewski, J., Hale, G. A., Heemskerk, M. B., Marino, S. R., McCarthy, et al

2014; 49 (9): 1176-1183

- **Cytotoxic T-lymphocyte antigen-4 single nucleotide polymorphisms are not associated with outcomes after unrelated donor transplantation: a center for international blood and marrow transplant research analysis.** *Biology of blood and marrow transplantation*
  Sengsayadeth, S., Wang, T., Lee, S. J., Haagenson, M. D., Spellman, S., Fernandez Viña, M. A., Muller, C. R., Verneris, M. R., Savani, B. N., Jagasia, M.
  2014; 20 (6): 900-903

- **Identification of a permissible HLA mismatch in hematopoietic stem cell transplantation.** *Blood*
  Fernandez-Viña, M. A., Wang, T., Lee, S. J., Haagenson, M., Aljurf, M., Askar, M., Battiwalla, M., Baxter-Lowe, L., Gajewski, J., Jakubowski, A. A., Marino, S., Oudshoorn, M., Marsh, et al
  2014; 123 (8): 1270-1278

- **Impact of allele-level HLA matching on outcomes after myeloablative single unit umbilical cord blood transplantation for hematologic malignancy** *BLOOD*
  Eapen, M., Klein, J. P., Ruggeri, A., Spellman, S., Lee, S. J., Anasetti, C., Arcese, W., Barker, J. N., Baxter-Lowe, L. A., Brown, M., Fernandez-Vina, M. A., Freeman, J., He, et al
  2014; 123 (1): 133-140

- **Dual Cases of Type 1 Narcolepsy with Schizophrenia and Other Psychotic Disorders** *JOURNAL OF CLINICAL SLEEP MEDICINE*
  Canellas, F., Lin, L., Rosa Julia, M., Clemente, A., Vives-Bauza, C., Ollila, H. M., Hong, S. C., Arboleya, S. M., Einen, M. A., Faraco, J., Fernandez-Vina, M., Mignot, E.
  2014; 10 (9): 1011-1018

- **Amino acid substitution at peptide-binding pockets of HLA class I molecules increases risk of severe acute GVHD and mortality** *BLOOD*
  Pidala, J., Wang, T., Haagenson, M., Spellman, S. R., Askar, M., Battiwalla, M., Baxter-Lowe, L. A., Bitan, M., Fernandez-Vina, M., Gandhi, M., Jakubowski, A. A., Maiers, M., Marino, et al
  2013; 122 (22): 3651-3658

- **HLA Class I and Class II Conserved Extended Haplotypes and Their Fragments or Blocks in Mexicans: Implications for the Study of Genetic Diversity in Admixed Populations** *PLOS ONE*
  Zuniga, J., Yu, N., Barquera, R., Alosco, S., Ohashi, M., Lebedeva, T., Acuna-Alonzo, V., Yunis, M., Granados-Montiel, J., Cruz-Lagunas, A., Vargas-Alarcon, G., Rodriguez-Reyna, T. S., Fernandez-Vina, et al
  2013; 8 (9)

- **Multiple mismatches at the low expression HLA loci DP, DQ, and DRB3/4/5 associate with adverse outcomes in hematopoietic stem cell transplantation.** *Blood*
  Fernández-Viña, M. A., Klein, J. P., Haagenson, M., Spellman, S. R., Anasetti, C., Noreen, H., Baxter-Lowe, L. A., Cano, P., Flomenberg, N., Confer, D. L., Horowitz, M. M., Oudshoorn, M., Petersdorf, et al
  2013; 121 (22): 4603-4610

- **Birth Order and Transplantation Outcome in HLA-Identical Sibling Stem Cell Transplantation: An Analysis on Behalf of the Center for International Blood and Marrow Transplantation** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Dobbelstein, C., Ahn, K. W., Haagenson, M., Hale, G. A., Van Rood, J. J., Miklos, D., Waller, E. K., Spellman, S. R., Fernandez-Vina, M., Ganser, A., Aljurf, M., Bornhaeuser, M., Gupta, et al
  2013; 19 (5): 741-745

- **Common and well-documented HLA alleles: 2012 update to the CWD catalogue** *TISSUE ANTIGENS*
  Mack, S. J., Cano, P., Hollenbach, J. A., He, J., Hurley, C. K., Middleton, D., Moraes, M. E., Pereira, S. E., Kempenich, J. H., Reed, E. F., Setterholm, M., Smith, A. G., Tilanus, et al
  2013; 81 (4): 194-203

- **16th IHIW: Global distribution of extended HLA haplotypes** *INTERNATIONAL JOURNAL OF IMMUNOGENETICS*
  Askar, M., Daghstani, J., Thomas, D., Leahy, N., Dunn, P., Claas, F., Doran, S., Saji, H., Kanangat, S., Karoichane, M., Tambur, A., Monos, D., El-Khalifa, et al
  2013; 40 (1): 31-38

- **16th IHIW: Extending the number of resources and bioinformatics analysis for the investigation of HLA rare alleles** *INTERNATIONAL JOURNAL OF IMMUNOGENETICS*
  Gonzalez-Galarza, F. F., Mack, S. J., Hollenbach, J., Fernandez-Vina, M., Setterholm, M., Kempenich, J., Marsh, S. G., Jones, A. R., Middleton, D.
  2013; 40 (1): 60-65

- **New approaches in alternative donor transplantation.** *Biology of blood and marrow transplantation*
  Fernandez Vina, M., Heslop, H. E., Barker, J. N.
  2013; 19 (1): S91-6

- **New Approaches in Alternative Donor Transplantation** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Vina, M. F., Heslop, H. E., Barker, J. N.
  2013; 19 (1): S91-S96

- **Improved Early Outcomes Using a T Cell Replete Graft Compared with T Cell Depleted Haploidentical Hematopoietic Stem Cell Transplantation** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Ciurea, S. O., Mulanovich, V., Saliba, R. M., Bayraktar, U. D., Jiang, Y., Bassett, R., Wang, S. A., Konopleva, M., Fernandez-Vina, M., Montes, N., Bosque, D., Chen, J., Rondon, et al
  2012; 18 (12): 1835-1844

- **HLA factors in transplantation for nonmalignant hematologic disorders** *BLOOD*
  Fernandez-Vina, M. A.
  2012; 120 (14): 2781-2782

- **A combined DPA1 similar to DPB1 amino acid epitope is the primary unit of selection on the HLA-DP heterodimer** *IMMUNOGENETICS*
  Hollenbach, J. A., Madbouly, A., Gragert, L., Vierra-Green, C., Flesch, S., Spellman, S., Begovich, A., Noreen, H., Trachtenberg, E., Williams, T., Yu, N., Shaw, B., Fleischhauer, et al
  2012; 64 (8): 559-569

- **High-throughput, high-fidelity HLA genotyping with deep sequencing** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Wang, C., Krishnakumar, S., Wilhelmy, J., Babrzadeh, F., Stepanyan, L., Su, L. F., Levinson, D., Fernandez-Vina, M. A., Davis, R. W., Davis, M. M., Mindrinos, M.
  2012; 109 (22): 8676-8681

- **Tracking human migrations by the analysis of the distribution of HLA alleles, lineages and haplotypes in closed and open populations** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
  Vina, M., Hollenbach, J. A., Lyke, K. E., Sztein, M. B., Maiers, M., Klitz, W., Cano, P., Mack, S., Single, R., Brautbar, C., Israel, S., Raimondi, E., Khoriaty, et al
  2012; 367 (1590): 820–29

- **Frequency of HLA-DP-specific antibodies and a possible new cross-reacting group** *HUMAN IMMUNOLOGY*
  Callender, C. J., Fernandez-Vina, M., Leffell, M. S., Zachary, A. A.
  2012; 73 (2): 175-179

- **Psoriasis Patients Are Enriched for Genetic Variants That Protect against HIV-1 Disease** *PLOS GENETICS*
  Chen, H., Hayashi, G., Lai, O. Y., Dilthey, A., Kuebler, P. J., Wong, T. V., Martin, M. P., Vina, M. A., McVean, G., Wabl, M., Leslie, K. S., Maurer, T., Martin, et al
  2012; 8 (2)

- **Humoral HLA sensitization matters in CBT outcome** *BLOOD*
  Fernandez-Vina, M. A., de Lima, M., Ciurea, S. O.
  2011; 118 (25): 6482-6484

- **The Outcomes of Family Haploidentical Hematopoietic Stem Cell Transplantation in Hematologic Malignancies Are Not Associated with Patient Age** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Dong, L., Wu, T., Gao, Z., Zhang, M., Kan, F., Spellman, S. R., Tan, X., Zhao, Y., Wang, J., Lu, D., Miklos, D., Petersdorf, E., Fernandez-Vina, et al
  2011; 17 (8): 1205-1213

- **Immunogenetics as a tool in anthropological studies** *IMMUNOLOGY*
  Sanchez-Mazas, A., Fernandez-Vina, M., Middleton, D., Hollenbach, J. A., Buhler, S., Di, D., Rajalingam, R., Dugoujon, J., Mack, S. J., Thorsby, E.
  2011; 133 (2): 143-164

- **An update to HLA Nomenclature, 2010** *BONE MARROW TRANSPLANTATION*
  Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., DuPont, B., Erlich, H. A., Fernandez-Vina, M., Geraghty, D. E., Holdsworth, R., Hurley, C. K., Lau, M., Lee, K. W., Mach, et al
  2010; 45 (5): 846-848

- **Complex HLA-DR and -DQ interactions confer risk of narcolepsy-cataplexy in three ethnic groups** *AMERICAN JOURNAL OF HUMAN GENETICS*
  Mignot, E., Lin, L., Rogers, W., Honda, Y., Qiu, X. H., Lin, X. Y., Okun, M., Hohjoh, H., Miki, T., Hsu, S. H., Leffell, M. S., GRUMET, F. C., Fernandez-Vina, et al
  2001; 68 (3): 686-699

- **Complement-Binding Donor-Specific Anti-HLA Antibodies: Biomarker for Immunologic Risk Stratification in Pediatric Kidney Transplantation Recipients** *Transpl Int,*
  Sigurjonsdottir, V. K.
  2022; 35

- **Delayed Kinetics of IgG, but not IgA, Anti-spike Antibodies in Transplant Recipients following SARS-CoV-2 Infection.** *J Am Soc Nephrol.*
  Cravedi, P.
  2021

- **Killer Cell Immunoglobulin-like Receptor Variants Are Associated with Protection from Symptoms Associated with More Severe Course in Parkinson Disease.** *Journal of immunology (Baltimore, Md. : 1950)*
  Anderson, K. M., Augusto, D. G., Dandekar, R., Shams, H., Zhao, C., Yusufali, T., Montero-Martin, G., Marin, W. M., Nemat-Gorgani, N., Creary, L. E., Caillier, S., Mofrad, M. R., Parham, et al
  2020

- **The Killer Immunoglobulin-like Receptor KIR3DL1 in Combination with HLA-Bw4 Is Associated with Pediatric Acute-onset Neuropsychiatric Syndrome (PANS)**
  Frankovich, J., Anderson, K., Montero-Martin, G., Chan, A., Thienemann, M., Farhadian, B., Willett, T., Mellins, E., Madden, A., Murphy, T., Swedo, S., Fernandez-Vina, M., Hollenbach, et al
  WILEY.2020: 255–57

- **Preface: 17th International HLA and Immunogenetics Workshop.** *Human immunology*
  Vayntrub, T. A., Mack, S. J., Fernandez-Vina, M. A.
  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)

- **A NOVEL FLOW CYTOMETRY CROSSMATCH FOR DETECTING TRUE DP-DSA INTERACTING TO THE NATIVE DP MOLECULES ON CELL SURFACE < DP-FXM >**
  Wang, L., Fernandez-Vina, M., Chen, G.
  ELSEVIER SCIENCE INC.2019: 126–27

- **GENERATION AND CHARACTERIZATION OF HUMANIZED ANTI-HLA-A2 ANTIBODY**
  Rodriguez-Paris, J. M., Wang, L., Lin, L., Fernandez-Vina, M., Chen, G.
  ELSEVIER SCIENCE INC.2019: 109

- **HLA-DP PROTEIN EXPRESSION LEVEL AND ITS IMPACT ON FLOW CYTOMETRY CROSSMATCH (FXM)**
  Wang, L., Chen, G., Fernandez-Vina, M.
  ELSEVIER SCIENCE INC.2019: 9–10

- **Urgent Time to Allogeneic Hematopoietic Cell Transplantation: A National Survey of Transplant Physicians and Unrelated Donor Search Coordinators Facilitated by the Histocompatibility Advisory Group to the National Marrow Donor Program.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*
  Pidala, J., Mupfudze, T. G., Payton, T., Barker, J., Perales, M., Shaw, B. E., Fernandez-Vina, M., Burns, L. J., Dehn, J.
  2019

- **17th IHIW component "Immunogenetics of Ageing" - New NGS data.** *Human immunology*
  Ivanova, M., Creary, L. E., Al Hadra, B., Lukanov, T., Mazzocco, M., Sacchi, N., Ameen, R., Al-Shemmari, S., Moise, A., Ursu, L. D., Constantinescu, I., Vayntrub, T., Fernandez-Vina, et al
  2019

- **Next-generation HLA typing of 382 International Histocompatibility Working Group reference B-lymphoblastoid cell lines: Report from the 17th International HLA and Immunogenetics Workshop**

Creary, L. E., Guerra, S. G., Chong, W., Brown, C. J., Turner, T. R., Robinson, J., Bultitude, W. P., Mayor, N. P., Marsh, S. G. E., Saito, K., Lam, K., Duke, J. L., Mosbruger, et al

ELSEVIER SCIENCE INC.2019: 449–60

- **High-resolution characterization of allelic and haplotypic HLA frequency distribution in a Spanish population using high-throughput next-generation sequencing**

  Montero-Martin, G., Mallempati, K. C., Gangavarapu, S., Sanchez-Gordo, F., Herrero-Mata, M. J., Balas, A., Vicario, J. L., Sanchez-Garcia, F., Gonzalez-Escribano, M. F., Muro, M., Moya-Quiles, M. R., Gonzalez-Fernandez, R., Ocejo-Vinyals, et al

  ELSEVIER SCIENCE INC.2019: 429–36

- **Complete nucleotide sequence characterization of DRB5 alleles reveals a homogeneous allele group that is distinct from other DRB genes**

  Barsakis, K., Babrzadeh, F., Chi, A., Mallempati, K., Pickle, W., Mindrinos, M., Fernandez-Vina, M. A.

  ELSEVIER SCIENCE INC.2019: 437–48

- **Role of killer cell immunoglobulin-like receptor (KIR)-ligand interactions to prevent relapse in patients (pts) receiving matched unrelated stem cell transplant (SCT) for acute myeloid leukemia (AML).**

  Rafei, H., Fernandez-Vina, M., Carmazzi, Y., Moore, B., Willis, D., Basar, R., Banerjee, P., Daher, M., Hosing, C., Kebriaei, P., Khouri, I. F., Mehta, R., Nieto, et al

  AMER SOC CLINICAL ONCOLOGY.2019

- **Complete nucleotide sequence characterization of DRB5 alleles reveals a homogeneous allele group that is distinct from other DRB genes.** *Human immunology*

  Barsakis, K., Babrzadeh, F., Chi, A., Mallempati, K., Pickle, W., Mindrinos, M., Fernandez-Vina, M. A.

  2019

- **High-resolution characterization of allelic and haplotypic HLA frequency distribution in a Spanish population using high-throughput next-generation sequencing.** *Human immunology*

  Montero-Martin, G., Mallempati, K. C., Gangavarapu, S., Sanchez-Gordo, F., Herrero-Mata, M. J., Balas, A., Vicario, J. L., Sanchez-Garcia, F., Gonzalez-Escribano, M. F., Muro, M., Moya-Quiles, M. R., Gonzalez-Fernandez, R., Ocejo-Vinyals, et al

  2019

- **Quality Control Project of NGS HLA Genotyping for the 17th International HLA and Immunogenetics Workshop.** *Human immunology*

  Osoegawa, K., Vayntrub, T. A., Wenda, S., De Santis, D., Barsakis, K., Ivanova, M., Hsu, S., Barone, J., Holdsworth, R., Diviney, M., Askar, M., Willis, A., Railton, et al

  2019

- **Tools for Building, Analyzing and Evaluating HLA Haplotypes from Families.** *Human immunology*

  Osoegawa, K., Mack, S. J., Prestegaard, M., Fernandez-Vina, M. A.

  2019

- **Next-generation sequencing reveals new information about HLA allele and haplotype diversity in a large European American population.** *Human immunology*

  Creary, L. E., Gangavarapu, S. n., Mallempati, K. C., Montero-Martín, G. n., Caillier, S. J., Santaniello, A. n., Hollenbach, J. A., Oksenberg, J. R., Fernández-Viña, M. A.

  2019

- **HLA HHaplotypes In 250 Families: The Baylor Laboratory Results And A Aerspective On A Core NGS Testing Model For The 17th International HLA And Immunogenetics Workshop.** *Human immunology*

  Askar, M. n., Madbouly, A. n., Zhrebker, L. n., Willis, A. n., Kennedy, S. n., Padros, K. n., Rodriguez, M. B., Bach, C. n., Spriewald, B. n., Ameen, R. n., Shemmari, S. A., Tarassi, K. n., Tsirogianni, et al

  2019

- **Assessment by Extended-Coverage Next-Generation Sequencing Typing of DPA1 and DPB1 Mismatches in Siblings Matching at HLA-A, -B, -C, -DRB1, and -DQ Loci.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*

  Mariano, L. n., Zhang, B. M., Osoegawa, K. n., Lowsky, R. n., Fernandez-Vina, M. n.

  2019

- **TRANSETHNIC ANALYSIS OF HIGH-RESOLUTION HLA ALLELES AND COMPLEMENT 4 STRUCTURAL POLYMORPHISMS IN SCHIZOPHRENIA**

  Ollila, H., Li, M., Mindrinos, M., Wang, C., Fernandez-Vina, M., Kuehn, R., Krishnakumar, S., Wilhelmy, J., Tsuang, M. T., Glatt, S. J., Mignot, E., Levinson, D. F.

  ELSEVIER SCIENCE BV.2019: S937

- **Full-length next-generation sequencing of HLA class I and II genes in a cohort from Thailand** *HUMAN IMMUNOLOGY*
  Geretz, A., Ehrenberg, P. K., Bouckenooghe, A., Vina, M., Michael, N. L., Chansinghakule, D., Limkittikul, K., Thomas, R.
  2018; 79 (11): 773–80

- **Report from the Killer-cell Immunoglobulin-like Receptors (KIR) component of the 17th International HLA and Immunogenetics Workshop.** *Human immunology*
  Misra, M. K., Augusto, D. G., Martin, G. M., Nemat-Gorgani, N., Sauter, J., Hofmann, J. A., Traherne, J. A., Gonzalez-Quezada, B., Gorodezky, C., Bultitude, W. P., Marin, W., Vierra-Green, C., Anderson, et al
  2018

- **THE COMMON UNCOMMON EXTENDED HLA HAPLOTYPE: DO TWO WEAK ASSOCIATIONS MAKE IT STRONG?**
  Askar, M. Z., Williams, J. D., Madbouly, A. S., Kang, S., Kennedy, S., Willis, A., Knudsen, T., Robinson, J., Creary, L. E., Fernandez-Vina, M. A.
  ELSEVIER SCIENCE INC.2018: 116

- **EXTENDED HLA HAPLOTYPES IN A GREEK POPULATION BY NGS TECHNOLOGY**
  Tarassi, K., Willis, A., Williams, J. D., Knudsen, T., Robinson, J., Kennedy, S., Kitsiou, V., Osoegawa, K., Kouniaki, D., Athanassiades, T., Fernandez-Vina, M., Tsirogianni, A., Askar, et al
  ELSEVIER SCIENCE INC.2018: 117

- **HLA ALLELE AND HAPLOTYPE FREQUENCIES CHARACTERIZED USING NEXT-GENERATION SEQUENCING METHODS IN UNRELATED WORLD-WIDE POPULATIONS: SUMMARY FROM THE 17TH INTERNATIONAL HLA AND IMMUNOGENETICS WORKSHOP**
  Creary, L. E., Chang, C., Martin, G., Mallempati, K. C., Gangavarapu, S., Osoegawa, K., Vayntrub, T. A., Fernandez-Vina, M. A.
  ELSEVIER SCIENCE INC.2018: 30

- **NGS CHARACTERIZATION OF EXTENDED HLA HAPLOTYPES IN JAMAICAN FAMILIES FROM THE CARIBBEAN BONE MARROW REGISTRY: A STUDY OF THE 17TH INTERNATIONAL HLA & IMMUNOGENETICS WORKSHOP**
  Askar, M. Z., Charlton, R. K., Dunk, A., Willis, A., Williams, J. D., Knudsen, T., Robinson, J., Kennedy, S., Nelson, W., Geraghty, D., Osoegawa, K., Fernandez-Vina, M.
  ELSEVIER SCIENCE INC.2018: 115

- **THE HLA GENETIC STRUCTURE OF AN ARGENTINIAN REGISTRY POPULATION REFLECT A DIVERGENT DEMOGRAPHIC HISTORY**
  Creary, L. E., Galarza, P., Chang, C., Shields, B., Maha, G. C., Rodriguez Cardozo, M., Osoegawa, K., Vayntrub, T. A., Fernandez-Vina, M. A.
  ELSEVIER SCIENCE INC.2018: 122

- **Allelic resolution NGS HLA typing of Class I and Class II loci and haplotypes in Cape Town, South Africa.** *Human immunology*
  Thorstenson, Y. R., Creary, L. E., Huang, H., Rozot, V., Nguyen, T. T., Babrzadeh, F., Kancharla, S., Fukushima, M., Kuehn, R., Wang, C., Li, M., Krishnakumar, S., Mindrinos, et al
  2018

- **BUILDING A HIGH RESOLUTION HAPLOTYPE DATABASE FOR 11 HUMAN LEUKOCYTE ANTIGEN LOCI FROM FAMILY TRIOS**
  Kountouris, E., Levinson, D., Fernandez-Vina, M. A., Ollila, H., Mignot, E., Tsuang, M., Glatt, S., Li, M., Mindrinos, M.
  WILEY.2018: 435–36

- **HLA ALLELE AND HAPLOTYPE FREQUENCIES CHARACTERIZED USING NEXT-GENERATION SEQUENCING METHODS IN UNRELATED WORLD-WIDE POPULATIONS: SUMMARY FROM THE 17TH INTERNATIONAL HLA AND IMMUNOGENETICS WORKSHOP**
  Creary, L. E., Chang, C., Montero-Martin, G., Mallempati, K. C., Gangavarapu, S., Osoegawa, K., Vayntrub, T., Fernandez-Vina, M. A.
  WILEY.2018: 327

- **HLA HAPLOTYPES IN A GREEK POPULATION BY NGS TECHNOLOGY**
  Tarassi, K., Willis, A., Kitsiou, V., Osoegawa, K., Kouniaki, D., Athanassiades, T., Fernandez-Vina, M., Askar, M., Tsirogianni, A.
  WILEY.2018: 412

- **HIGH-RESOLUTION CHARACTERIZATION OF ALLELIC AND HAPLOTYPIC HLA FREQUENCIES DISTRIBUTION IN A SPANISH POPULATION USING HIGH-THROUGHPUT NEXT-GENERATION SEQUENCING**
  Montero-Martin, G., Creary, L. E., Mallempati, K., Gangavarapu, S., Vayntrub, T., Planelles, D., Vilches, C., Luis Caro, J., Jose Herrero-Mata, M., Sanchez-Gordo, F., Francisca Gonzalez-Escribano, M., Muro, M., Moya-Quiles, et al
  WILEY.2018: 424–25

- **HIGH RESOLUTION HAPLOTYPE ANALYSES OF CLASSICAL HLA GENES IN FAMILIES FOR THE 17TH INTERNATIONAL HLA AND IMMUNOGENETICS WORKSHOP**
  Osoegawa, K., Creary, L. E., Mallempati, K., Gangavarapu, S., Mack, S. J., Askar, M., Fernandez-Vina, M.

WILEY.2018: 330–31

- **BEHCET LIES IN THE EYE OF THE B-HOLDER**
  Elfishawi, S., Mossallam, G., Elfishawi, M., Bruin, H., van de Pasch, L. A. L., Rozemuller, E. H., Zaky, K., Fernandez-Vina, M. A.
  WILEY.2018: 460–61

- **THE RELEVANCE OF NGS TYPING IN UNRAVELING THE DIVERSITY OF 11 HLA LOCI TYPED IN THE MEXICAN MESTIZOS FROM OAXACA, MEXICO**
  Munguia, A., Creary, L. E., Fernandez-Vina, M. A., Gonzalez, B., Flores-A, H., Gorodezky, C.
  WILEY.2018: 440–41

- **Deconstruction of HLA-DRB1*04:01:01 and HLA-DRB1*15:01:01 class II haplotypes using next-generation sequencing in European-Americans with multiple sclerosis.** *Multiple sclerosis (Houndmills, Basingstoke, England)*
  Creary, L. E., Mallempati, K. C., Gangavarapu, S., Caillier, S. J., Oksenberg, J. R., Fernandez-Vina, M. A.
  2018: 1352458518770019

- **Impact of HLA Alleles on Outcomes of Allogeneic Transplantation for B Cell Non-Hodgkin Lymphomas: A Center for International Blood and Marrow Transplant Research Analysis** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  William, B. M., Wang, T., Haagenson, M. D., Fleischhauer, K., Verneris, M., Hsu, K. C., de Lima, M. J., Fernandez-Vina, M., Spellman, S. R., Lee, S. J., Hill, B. T.
  2018; 24 (4): 827–31

- **Effect of nonpermissive HLA-DPB1 mismatches after unrelated allogeneic transplantation with in vivo T-cell depletion** *BLOOD*
  Oran, B., Saliba, R. M., Carmazzi, Y., de Lima, M., Rondon, G., Ahmed, S., Alousi, A., Andersson, B. S., Anderlini, P., Alvarez, M., Bashir, Q., Ciurea, S., Fernandez-Vina, et al
  2018; 131 (11): 1248–57

- **Collection and storage of HLA NGS genotyping data for the 17th International HLA and Immunogenetics Workshop**
  Chang, C., Osoegawa, K., Milius, R. P., Maiers, M., Xiaoa, W., Fernandez-Vina, M., Mack, S. J.
  ELSEVIER SCIENCE INC.2018: 77–86

- **Multiplex family with GAD65-Abs neurologic syndromes** *NEUROLOGY-NEUROIMMUNOLOGY & NEUROINFLAMMATION*
  Belbezier, A., Joubert, B., Montero-Martin, G., Fernandez-Vina, M., Fabien, N., Rogemond, V., Mignot, E., Honnorat, J.
  2018; 5 (1): e416

- **Fludarabine with pharmacokinetically guided IV busulfan is superior to fixed-dose delivery in pretransplant conditioning of AML/MDS patients** *BONE MARROW TRANSPLANTATION*
  Andersson, B. S., Thall, P. F., Valdez, B. C., Milton, D. R., Al-Atrash, G., Chen, J., Gulbis, A., Chu, D., Martinez, C., Parmar, S., Popat, U., Nieto, Y., Kebriaei, et al
  2017; 52 (4): 580-587

- **MHC Class I Chain-Related Gene A (MICA) Donor-Recipient Mismatches and MICA-129 Polymorphism in Unrelated Donor Hematopoietic Cell Transplantations Has No Impact on Outcomes in Acute Lymphoblastic Leukemia, Acute Myeloid Leukemia, or Myelodysplastic Syndrome: A Center for International Blood and Marrow Transplant Research Study** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Askar, M., Sobecks, R., Wang, T., Haagenson, M., Majhail, N., Madbouly, A., Thomas, D., Zhang, A., Fleischhauer, K., Hsu, K., Verneris, M., Lee, S. J., Spellman, et al
  2017; 23 (3): 436-444

- **HLA Amino Acid Polymorphisms and Kidney Allograft Survival.** *Transplantation*
  Kamoun, M., McCullough, K. P., Maiers, M., Fernandez Vina, M. A., Li, H., Teal, V., Leichtman, A. B., Merion, R. M.
  2017

- **HLA-mismatched unrelated donor transplantation using TLI-ATG conditioning has a low risk of GVHD and potent antitumor activity.** *Blood advances*
  Spinner, M. A., Fernández-Viña, M. n., Creary, L. E., Quinn, O. n., Elder, L. n., Arai, S. n., Johnston, L. J., Meyer, E. H., Miklos, D. B., Muffly, L. S., Negrin, R. S., Shizuru, J. A., Weng, et al
  2017; 1 (17): 1347–57

- **Human leukocyte antigen supertype matching after myeloablative hematopoietic cell transplantation with 7/8 matched unrelated donor allografts: a report from the Center for International Blood and Marrow Transplant Research** *HAEMATOLOGICA*

Lazaryan, A., Wang, T., Spellman, S. R., Wang, H., Pidala, J., Nishihori, T., Askar, M., Olsson, R., Oudshoorn, M., Abdel-Azim, H., Yong, A., Gandhi, M., Dandoy, et al

2016; 101 (10): 1267-1274

- **Haploidentical Natural Killer Cells Infused before Allogeneic Stem Cell Transplantation for Myeloid Malignancies: A Phase I Trial** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*

  Lee, D. A., Denman, C. J., Rondon, G., Woodworth, G., Chen, J., Fisher, T., Kaur, I., Fernandez-Vina, M., Cao, K., Ciurea, S., Shpall, E. J., Champlin, R. E.

  2016; 22 (7): 1290-1298

- **Diversity in exon 5 of HLA-C*04:01:01G is significant in anthropological studies** *HUMAN IMMUNOLOGY*

  Dunn, P. P., Lamb, G., Selwyn, C., Compton, J., Yang, E., Maiers, M., Fernandez-Vina, M.

  2016; 77 (5): 426-428

- **High levels of anti-tuberculin (IgG) antibodies correlate with the blocking of T-cell proliferation in individuals with high exposure to Mycobacterium tuberculosis** *INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES*

  Feris, E. J., Encinales, L., Awad, C., Stern, J. N., Tabansky, I., Jimenez-Alvarez, L., Ramirez-Martinez, G., Cruz-Lagunas, A., Bobadilla, K., Marquez, E., Granados-Montiel, J., Rodriguez-Reyna, T. S., Fernandez-Vina, et al

  2016; 43: 21-24

- **The effect of donor characteristics on survival after unrelated donor transplantation for hematologic malignancy** *BLOOD*

  Kollman, C., Spellman, S. R., Zhang, M., Hassebroek, A., Anasetti, C., Antin, J. H., Champlin, R. E., Confer, D. L., DiPersio, J. F., Fernandez-Vina, M., Hartzman, R. J., Horowitz, M. M., Hurley, et al

  2016; 127 (2): 260-267

- **Minimum information for reporting next generation sequence genotyping (MIRING): Guidelines for reporting HLA and KIR genotyping via next generation sequencing** *HUMAN IMMUNOLOGY*

  Mack, S. J., Milius, R. P., Gifford, B. D., Sauter, J., Hofmann, J., Osoegawa, K., Robinson, J., Groeneweg, M., Turenchalk, G. S., Adai, A., Holcomb, C., Rozemuller, E. H., Penning, et al

  2015; 76 (12): 954-962

- **Very high resolution single pass HLA genotyping using amplicon sequencing on the 454 next generation DNA sequencers: Comparison with Sanger sequencing** *HUMAN IMMUNOLOGY*

  Yamamoto, F., Hoeglund, B., Fernandez-Vina, M., Tyan, D., Rastrou, M., Williams, T., Moonsamy, P., Goodridge, D., Anderson, M., Erlich, H. A., Holcomb, C. L.

  2015; 76 (12): 910-916

- **HLA Mismatch Is Associated with Worse Outcomes after Unrelated Donor Reduced-Intensity Conditioning Hematopoietic Cell Transplantation: An Analysis from the Center for International Blood and Marrow Transplant Research.** *Biology of blood and marrow transplantation*

  Verneris, M. R., Lee, S. J., Ahn, K. W., Wang, H., Battiwalla, M., Inamoto, Y., Fernandez-Vina, M. A., Gajewski, J., Pidala, J., Munker, R., Aljurf, M., Saber, W., Spellman, et al

  2015; 21 (10): 1783-1789

- **Better allele-level matching improves transplant-related mortality after double cord blood transplantation** *HAEMATOLOGICA*

  Oran, B., Cao, K., Saliba, R. M., Rezvani, K., de Lima, M., Ahmed, S., Hosing, C. M., Popat, U. R., Carmazzi, Y., Kebriaei, P., Nieto, Y., Rondon, G., Willis, et al

  2015; 100 (10): 1361-1370

- **Limited Variation in BK Virus T-Cell Epitopes Revealed by Next-Generation Sequencing.** *Journal of clinical microbiology*

  Sahoo, M. K., Tan, S. K., Chen, S. F., Kapusinszky, B., Concepcion, K. R., Kjelson, L., Mallempati, K., Farina, H. M., Fernández-Viña, M., Tyan, D., Grimm, P. C., Anderson, M. W., Concepcion, et al

  2015; 53 (10): 3226-3233

- **Impact of KIR and HLA Genotypes on Outcomes after Reduced-Intensity Conditioning Hematopoietic Cell Transplantation.** *Biology of blood and marrow transplantation*

  Sobecks, R. M., Wang, T., Askar, M., Gallagher, M. M., Haagenson, M., Spellman, S., Fernandez-Vina, M., Malmberg, K., Müller, C., Battiwalla, M., Gajewski, J., Verneris, M. R., Ringdén, et al

  2015; 21 (9): 1589-1596

- **Impact of KIR and HLA Genotypes on Outcomes after Reduced-Intensity Conditioning Hematopoietic Cell Transplantation** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*

Sobecks, R. M., Wang, T., Askar, M., Gallagher, M. M., Haagenson, M., Spellman, S., Fernandez-Vina, M., Malmberg, K., Mueller, C., Battiwalla, M., Gajewski, J., Verneris, M. R., Ringden, et al

2015; 21 (9): 1589-1596

- **Complement-Binding Donor-Specific Anti-HLA Antibodies and Risk of Primary Graft Failure in Hematopoietic Stem Cell Transplantation** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*

  Ciurea, S. O., Thall, P. F., Milton, D. R., Barnes, T. H., Kongtim, P., Carmazzi, Y., Lopez, A. A., Yap, D. Y., Popat, U., Rondon, G., Lichtiger, B., Aung, F., Afshar-Kharghan, et al

  2015; 21 (8): 1392-1398