CURRICULUM VITAE

Marcelo A. Fernandez-Viña, Ph.D., D(ASHI)

**CITIZENSHIP**

United States

**HOME ADDRESS**

1055 Cathcart Way

Stanford, CA 94305

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**BUSINESS ADDRESS**

Stanford University, School of Medicine

Histocompatibility, Immunogenetics and Disease Profiling Laboratory

Department of Pathology / Blood Center

3373 Hillview Avenue

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**EDUCATION**

1982 Degree: Biochemist,

Biochemistry, School of Basic Sciences, National University of Rosario,

Rosario, Argentina.

1993 Degree: Doctor of Philosophy, Internal Medicine

University of Buenos Aires Medical School, Buenos Aires, Argentina

**POSTGRADUATE TRAINING**

05/1980 – 03/1981 Trainee, Rosendo Garcia Hospital, Rosario, Argentina

04/1982 – 05/1983 Fellow, Center for Investigations and Studies of Bone Transplants, Italian Hospital (CINEOT), Buenos Aires, Argentina

Advisor: JA Manni, MD

04/1982 – 04/1984 Trainee, Primer Centro Argentino de Inmunogenetica (PRICAI), Guemes Hospital

Buenos Aires, Argentina

Advisor and Director: EJC Haas, MD

01/1984 – 05/1985 Fellow, Instituto Scientifico Tumori (IST), Genoa, Italy

Advisor: Professor GB Ferrara, PhD

07/1987 – 09/1990 Fellow, University of Texas, Southwestern Medical Center, Dallas, TX

Advisor and Mentor: P Stastny, MD

**CREDENTIALS**

**BOARD CERTIFICATION**

05/1983 – Ministry of Public Health & Environment of Argentina

10/1995 – Diplomate, American Board of Histocompatibility and Immunogenetics

**PROFESSIONAL EXPERIENCE:**

**CURRENT POSITIONS:**

2011 – Professor, Department of Pathology, School of Medicine, Stanford University.

Stanford, CA

2011 – Director, Histocompatibility, Immunogenetics, and Disease Profiling Laboratory, Stanford

University Medical School, Stanford, CA

2012 – ASHI Liaison to the NMDP, National Marrow Donor Program

2012 – Member, ASHI – 2012, Rose Payne Award Committee

**PREVIOUS POSITIONS:**

06/1985 – 06/1987 Assistant Chief, Tissue Typing Laboratory, Primer Centro Argentino de Inmunogenética Sanatorio Guemes, Buenos Aires, Argentina

01/1993 – 01/1997 Assistant Director, Department of Internal Medicine, University of Texas Southwestern Medical Center at Dallas, Dallas, TX

01/1997 – 01/2001 Executive Director, National Histocompatibility Laboratory at the University of Maryland Medical School, Biomedical Services - American Red Cross, Baltimore, MD

01/1997 – 05/2001 Director, Certified Laboratory by the American Society for Histocompatibility and Immunogenetics: National Histocompatibility Laboratory, American Red Cross, Baltimore, MD

01/1997 – 09/2003 Principal Investigator, National Marrow Donor Program, Rockville, MD

01/2000 – 01/2003 Member, Board of Trustees, Transplant Resource Center of Maryland, Baltimore, MD

02/2001 – 04/2004 Laboratory Director, C.W. Bill Young Marrow Program - Histocompatibility Laboratory, Rockville, MD

02/2001 – 12/2004 Director, Certified Laboratory by the American Society for Histocompatibility and Immunogenetics: Naval Medical Research Institute - C.W. Bill Young DOD Marrow Donor Program ASHI# 12-2-MD-14-1, Georgetown University, Washington, DC

03/2004 – Member, HLA Genetics Expert Panel for NIAID/DAIT, Bethesda, MD

2007 – Member, Molecular Pathology/Genetics Program, Baylor College of Medicine, Houston, TX

05/2004 – 03/2011 Certified Laboratory Director by the American Society for Histocompatibility and Immunogenetics, Histocompatibility Typing Laboratory, Department of Laboratory Medicine, Division of Pathology/Lab Medicine, UT M.D. Anderson Cancer Center, Houston, TX

09/2009 – 03/2011 Program Director, UT M. D. Anderson Cancer Center, HLA Typing Laboratory, Histocompatibility & Immunogenetics Training Program, Houston, TX

**ACADEMIC APPOINTMENTS**

07/1990 – 09/1991 Assistant Instructor, Department of Internal Medicine, University of Texas Southwestern Medical Center at Dallas, Dallas, TX

07/1991 – 09/1992 Instructor, Department of Internal Medicine, University of Texas Southwestern Medical Center at Dallas, Dallas, TX

10/1992 – 01/1997 Assistant Professor, Department of Internal Medicine, University of Texas Southwestern Medical Center at Dallas, Dallas, TX

09/1997 – 05/2001 Associate Professor, Department of Pathology, University of Maryland Medical School, Baltimore, MD

02/2001 – 04/2004 Associate Professor, Oncology and Pediatrics Departments, Georgetown University School of Medicine, Washington, DC

05/2004 – 03/2011 Professor, Department of Laboratory Medicine, Division of Pathology/Lab Medicine, UT M. D. Anderson Cancer Center, Houston, TX

2006 – 03/2011 Faculty, Molecular Genetic Technology Program, The University of Texas M. D. Anderson Cancer Center, Houston, TX

09/2009 – 09/2012 Professor, Department of Laboratory Medicine, Division of Pathology/Lab Medicine, School of Public Health Appointment and Promotion Committee, Houston, TX

**HONORS AND AWARDS**

1984 Fellowship, Ministry of Foreign Affairs of the Italian Republic

1985 Award, Best Clinical Research Abstract, Latino American Society of Immunology

1987 Fellowship, University of Texas

1993 Young Investigator Award, American Society for Histocompatibility and Immunogenetics (ASHI)

**PROFESSIONAL MEMBERSHIPS/ACTIVITIES**

**PROFESSIONAL SOCIETIES MEMBER**

1989 – American Society for Histocompatibility and Immunogenetics (ASHI).

1999 – American Association of Immunologists.

1999 – American Association for the Advancement of Science (AAAS).

1999 – American Society of Transplantation (AST).

2006 – American Society for Blood & Marrow Transplantation (ASBMT).

2006 – 2011 Texas Transplant Society (TTS).

**LEADERSHIP POSITIONS IN SCIENTIFIC SOCIETIES AND PROFESSIONAL ORGANIZATIONS**

1999 – 2002 American Society for Histocompatibility & Immunogenetics, Councilor

2000 – 2003 Transplant Resource Center of Maryland, Member Board of Trustees

2001 – Journal Human Immunology, Member, Editorial Board

2002 – Journal Human Immunology, Section Editor for Immunogenetics

2002 – International Histocompatibility Workshop, Councilor

2008 – 2009 American Society for Histocompatibility & Immunogenetics (ASHI), President-Elect.

2009 – 2010 American Society for Histocompatibility & Immunogenetics, President

2009 – 2011 United Network for Organ Sharing (UNOS), Member Board of Trustees Histocompatibility Representative.

2010 – 2011 American Society for Histocompatibility & Immunogenetics, Past President.

**COMMITTEE IN SCIENTIFIC SOCIETIES AND PROFESSIONAL ORGANIZATIONS**

05/1997 – 2000 American Society for Histocompatibility & Immunogenetics, Chair: Ad Hoc Committee for the ASHI/UNOS collaborative study of "HLA molecular typing of zero antigen mismatch transplant pairs,"

10/2005 – 32nd Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Diego, CA, Invited Member, 2006 Program Planning Committee.

04/2006 – American Society for Histocompatibility & Immunogenetics, Chair: Ad Hoc Committee for the collaborative study of "Common and Rare Alleles List for ASHI Proficiency,".

03/2009 – 02/2014 Center for International Blood and Marrow Transplant Research (CIBMTR), Co-Chair: Immunobiology Working Committee.

06/2009 – Foundation for the Accreditation of Cellular Therapy (FACT), Member: Professional Relations Committee.

09/2009 – United Network for Organ Sharing (UNOS), Member, 2009 Nominating Committee.

11/2009 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Francisco, CA, Invited Member, 2010 Annual Meeting Program Planning Committee.

01/2012 – 09/2017 17th International Histocompatibility Workshop Steering Committee and Program Chair.

**CONFERENCES AND SYMPOSIA**

**ORGANIZATION OF CONFERENCE/SYMPOSIA (INCLUDING CHAIRING SESSION)**

11/1991 11th International Histocompatibility Workshop, Yokohama, Japan, Chair, DNA typing, DR52 group section.

09/1994 VI Workshop of the Latino American Histocompatibility Society, San Paulo, Brazil, Member, Scientific Committee.

01/1994 Indo-USA Workshop, New Delhi, India, Faculty, "Molecular Genetics of HLA,".

01/1996 12th International Histocompatibility Workshop, Technical Coordinator of PCR-SSO of the Allele Haplotypes Societies.

01/1997 13th International Histocompatibility Workshop, Member, Organizing Committee.

01/1997 13th International Histocompatibility Workshop, Subcommittee Chair, Serology-DNA Correlation and Study of Null Alleles Component.

01/1997 13th International Histocompatibility Workshop, Member, Anthropology component subcommittee.

01/1997 13th International Histocompatibility Workshop, Member, DNA testing component subcommittee.

11/2003 14th International HLA and Immunogenetics Workshop, Member, International Scientific Advisory Committee.

03/2004 HLA Genetics Expert Panel for NIAID/DAIT, Bethesda, MD, Member.

2006 15th International Histocompatibility Workshop, Member, Scientific Advisory Committee.

2006 – 2008 15th International Histocompatibility & Immunogenetics Workshop, Rio de Janeiro, Brazil, Member, Scientific Organizing Committee.

2009 Texas Transplant Society, 2009 Texas Transplant Society Annual Meeting, Invited Member, Planning Committee.

09/2010 – 01/2011 Texas Transplant Society, 2011 Texas Transplant Society Annual Meeting, Invited Member, Planning Committee.

10/2010 – 09/2011 American Society for Histocompatibility & Immunogenetics (ASHI), Chair, 2010-2011 and Program Planning Committee.

11/2009–06/2011 United Network for Organ Sharing (UNOS), Richmond, VA, Member, Executive Committee

**UNIQUE ACTIVITIES**

1993 – 1996 Technical Coordinator, PCR-SSO of the 'Allele-Haplotypes Societies" of the 12th International Histocompatibility & Immunogenetics Workshop.

2001 – 2002 Participant, National Heart Lung Blood Cord Blood Trial.

2000 – 2003 Member, Board of Trustees of the Transplant Resource Center of Maryland.

2007 HLA and Disease Association:  An Update, DNA MedEd Cafe Webcast Series.

2009 Invited member, National Marrow Donor Program, Network Engagement Workshop,"The Phoenix Initiative," Chicago, IL.

2010 Co-author, invited to participate in a joint enterprise to co-author a review in the journal “Immunology” with other international professors from Switzerland and the UK on the role of HLA in anthropology.

2010 Anti HLA antibody testing in Hematopoietic Stem Cell Transplantation, Roundtable Discussion, University of Miami, Transplant Laboratories & Immunopathology.

2010 Review Meeting Chair, "RFP C10-0050 Customized Typing Program," National Marrow Donor Program, Minneapolis, MN.

2010 – Member, Molecular Pathology Coding Workgroup, American Medical Association.

2011 CIBMTR Protocol - Marcelo Fernández-Viña, PhD (MDACC) & Michelle Setterholm, Director, Scientific Services, NMDP. Study Title:  Evaluation of the impact of potentially non-immunogenic HLA-C allele level mismatch - Proposal #1210-60.

**GRANT REVIEWER/SERVICE ON STUDY SECTIONS**

1992 The Biology of Kidney Disease and Hypertension in Blacks, NIH, Reviewer

2001 – 2002 National Heart Lung Blood Cord Blood Trial, NIH, Participant

**CONSULTING**

05/2001 – 03/2012 Histocompatibility Consultant, National Marrow Donor Program, Minneapolis, MN

2006 – HLA Expert for the HRSA Contract, National Marrow Donor Program, Minneapolis,MN

2004 – 03/2011 Institutional Committee Activities at MD Anderson Cancer Center

2004 – 03/2011 Cord Bank Steering Committee, Member

2006 – 03/2011 Cord Blood Bank, HLA Liaison, Cord Blood Bank Review Committee, Member, Health Resources & Services Administration

09/2007 – 08/2009 Institutional Review Board 2, Associate Member

09/2009 – 03/2011 Institutional Review Board 5, Associate Member

09/2009 – 03/2011 GME Institutional Review Subcommittee, Member

**PUBLICATIONS**

**PEER-REVIEWED ORIGINAL RESEARCH ARTICLES**

1. Raimondi, Casadei D, D'Angelo C, Repetto H, Verruno L, Daffunchio P, Fernández-Viña MA, Haas EJC . Absorption of lymphocytotoxic autoantibodies. H.L.A. (Buenos Aires) 1:15, 1987.
2. Fernández-Viña M, Angelini G, Ferrara GB. Molecular Analysis of DQ alpha and DQ beta genetic polymorphism. H.L.A. (Buenos Aires) 1:1, 1987.
3. Gao XJ, Fernández-Viña M, Shumway W, Stastny P. DNA typing for class II HLA antigens with allele-specific or group-specific amplification. I. Typing for subsets of HLA-DR4. Hum Immunol 27(1):40-50, 1/1990. PMCID: PMC2303360.
4. Fernández-Viña M, Shumway W, Stastny P. DNA typing for class II HLA antigens with allele-specific or group-specific amplification. II. Typing for alleles of the DRw52-associated group. Hum Immunol 28(1):51-64, 5/1990.
5. Fernández-Viña MA, Fink CW, Stastny P. HLA antigens in juvenile arthritis. Pauciarticular and polyarticular juvenile arthritis are immunogenetically distinct. Arthritis Rheum 33(12):1787-94, 12/1990. PMCID: PMC2261000.
6. Fernández-Viña M, Moraes ME, Stastny P. DNA typing for class II HLA antigens with allele-specific or group-specific amplification. III. Typing for 24 alleles of HLA-DP. Hum Immunol 30(1):60-8, 1/1991. PMCID: PMC2001976.
7. Moraes ME, Fernández-Viña M, Stastny P. DNA typing for class II HLA antigens with allele-specific or group-specific amplification. IV. Typing for alleles of the HLA-DR2 group. Hum Immunol 31(2):139-44, 6/1991. PMCID: PMC2066273.
8. Gao XJ, Sun YP, An JB, Fernández-Viña M, Qou JN, Lin L, Stastny P. DNA typing for HLA-DR, and -DP alleles in a Chinese population using the polymerase chain reaction (PCR) and oligonucleotide probes. Tissue Antigens 38(1):24-30, Jul-Aug, 7/1991.
9. Stastny P, Gao XJ, Fernández-Viña M. Immunogenetics of rheumatoid arthritis and juvenile arthritis. Recenti Prog Med 82(7-8):409-16, Jul-Aug, 7/1991.
10. Gao X, Fernández-Viña M, Olsen NJ, Pincus T, Stastny P. HLA DPB1\*0301 is a major risk factor for Rheumatoid Factor negative adult Rheumatoid Arthritis. Arthritis Rheum 34(10):1310-1312, 10/1991.
11. Fernández-Viña M, Moraes JR, Moraes ME, Miller S, Stastny P. HLA class II haplotypes in Amerindians and in black North and South Americans. Tissue Antigens 38(5):235-7, 11/1991.
12. Fernández-Viña M, Gao XJ, Moraes ME, Moraes JR, Salatiel I, Miller S, Tsai J, Sun YP, An JB, Layrisse Z. Alleles at four HLA class II loci determined by oligonucleotide hybridization and their associations in five ethnic groups. Immunogenetics 34(5):299-312, 1991.
13. Moraes JR, Moraes ME, Fernández-Viña M, Diaz LA, Friedman H, Campbell IT, Alvarez RR, Sampaio SA, Rivitti EA, Stastny P. HLA antigens and risk for development of Brazilian Pemphigus Foliaceus ("fogo selvagem") in endemic areas of Brazil. Immunogenetics 33(5-6):388-391, 1991. PMCID: PMC1711010.
14. Fernández-Viña M, Moraes JR, Moraes ME, Miller S, Stastny P. HLA class II haplotypes in American Indians and in North American and South American blacks. Tissue Antigens 38(5):235-237, 1991.
15. Cerná M, Fernández-Viña M, Ivásková E, Stastny P. Comparison of HLA class II alleles in Gypsy and Czech populations by DNA typing with oligonucleotide probes. Tissue Antigens 39(3):111-6, Jul-Aug, 3/1992.
16. Fernández-Viña MA, Falco M, Sun Y, Stastny P. DNA typing for HLA class I alleles: I. Subsets of HLA-A2 and of -A28. Human Immunology 33(3):163-73, Jul-Aug, 3/1992.
17. Fernández-Viña M, Ramirez LC, Raskin P, Stastny P. Genes for insulin dependent diabetes mellitus (IDDM) in the major histocompatibility complex (MHC) of African-Americans. Tissue Antigens 41(2):57-64, Jul-Aug, 2/1993.
18. Lazaro AM, Fernández-Viña MA, Liu Z, Stastny P. Enzyme-linked DNA oligotyping. A practical method for clinical HLA-DNA typing. Hum Immunol 36(4):243-8, 4/1993.
19. Stastny P, Fernández-Viña M, Cerna M, Havelka S, Ivaskova E, Vavrincova P. Sequences of HLA alleles associated with arthritis in adults and children. J Rheumatol Suppl 37:5-8, 4/1993.
20. Moraes ME, Fernández-Viña M, Salatiel I, Tsai S, Moraes JR, Stastny P. HLA class II DNA typing in two Brazilian populations. Tissue Antigens 41(5):238-42, Jul-Aug, 5/1993.
21. Cerna M, Falco M, Friedman H, Raimondi E, Maccagno A, Fernández-Viña M, Stastny P. Differences in HLA Class II alleles of isolated Indian populations from Brazil and Argentina. Hum Immunol 37(4):213-220, 8/1993.
22. Cerna M, Fernández-Viña M, Friedman H, Moraes JR, Moraes ME, Diaz L, Stastny P. Genetic markers for susceptibility to endemic Brazilian Pemphigus Foliaceus (Fogo Selvagem) in Xavante Indians. Tissue Antigens 42(3):138-40, Jul-Aug, 9/1993.
23. Rani R, Fernández-Viña MA, Zaheer SA, Beena KR, Stastny P. Study of HLA class II alleles by PCR oligotyping in leprosy patients from north India. Tissue Antigens 42(3):133-7, Jul-Aug, 9/1993.
24. Zhang S, Fernández-Viña M, Falco M, Cerná M, Raimondi E, Stastny P. A novel HLA DRB1 allele (DRB1\*04SAM) in South American Indians. Immunogenetics 38(6):463, 1993.
25. Falco M, Sun Y, Fernández-Viña MA, Stastny P. HLA-DPB1 alleles in a population from South China. Immunogenetics 37(4):251-6, Jul-Aug, 1993.
26. Wiedenfeld EA, Fernández-Viña M, Berzofsky JA, Carbone DP. Evidence for selection against human lung cancers bearing p53 missense mutations which occur within the HLA A\*0201 peptide consensus motif. Cancer Res 54(5):1175-1177, 3/1994.
27. Fernández-Viña MA, Falco M, Gao X, Cerna M, Sun Y, Raimondi E, Stastny P. DQA1\*03 subtypes have different associations with DRB1 and DQB1 alleles. Hum Immunol 39(4):290-8, Mar-Apr, 4/1994.
28. Tomfohrde J, Silverman A, Barnes R, Fernández-Viña MA, Young M, Lory D, Morris L, Wuepper KD, Stastny P, Menter A. Gene for familial psoriasis susceptibility mapped to the distal end of human chromosome 17q. Science 264(5162):1141-5, 5/1994.
29. Fernández-Viña M, Fink CW, Stastny P. HLA associations in juvenile arthritis. Clin Exp Rheumatol 12(2):205-14, 1994.
30. Fernández-Viña M, Lazaro AM, Sun Y, Miller S, Forero L, Stastny P. Population diversity of B-locus alleles observed by high-resolution DNA typing. Tissue Antigens 45(3):153-68, 3/1995.
31. Rani R, Fernández-Viña MA, Zhang S, Stastny P. HLA-DPB1 alleles in a population from north India and description of a new variant (DPB1\*5601). Tissue Antigens 45(4):264-9, 4/1995.
32. Fink CW, Fernández-Viña M. The genetics of juvenile rheumatoid arthritis. Bull Rheum Dis 44(2):5-8, 4/1995.
33. Friedman H, Campbell I, Rocha-Alvarez R, Ferrari I, Coimbra CE, Moraes JR, Flowers NM, Stastny P, Fernández-Viña M, Olague-Alcala M. Endemic pemphigus foliaceus (fogo selvagem) in native Americans from Brazil. J Am Acad Dermatol 32(6):949-56, 6/1995.
34. Satz ML, Fernández-Viña M, Theiler GC, Marcos YC, Lindel N, Capucchio M, Gorodezky C, Fainboim L, Stastny P. Allelic heterogeneity of HLA-B35 subtypes in different populations as assessed by DNA typing. Tissue Antigens 46(3pt 1):196-203, 9/1995.
35. Fink CW, Fernández-Viña M, Stastny P. Clinical and genetic evidence that juvenile arthritis is not a single disease. Pediatr Clin North Am 42(5):1155-69, 10/1995.
36. Zhao W, Fernández-Viña MA, Lazaro AM, Araujo HA, Miller S, Stastny P. Complete cDNA sequence of B\*4406, an HLA-B allele containing sequences of B\*5101 and B\*4402. Tissue Antigens 47(5):431-4, 5/1996.
37. Zhao W, Fernández-Viña MA, Lazaro AM, Araujo HA, Miller S, Stastny P. Full cDNA of a novel HLA-B39 subtype, B\*39061. Tissue Antigens 47(5):435-7, 5/1996.
38. Chen HL, Gabrilovich D, Virmani A, Ratnani I, Girgis KR, Nadaf-Rahrov S, Fernández-Viña M, Carbone DP. Structural and functional analysis of beta2 microglobulin abnormalities in human lung and breast cancer. Int J Cancer 67(6):756-63, 9/1996.
39. Moraes ME, Fernández-Viña M, Lazaro A, Diaz LA, Filho GH, Friedman H, Rivitti E, Aoki V, Stastny P, Moraes JR. An epitope in the third hypervariable region of the DRB1 gene is involved in the susceptibility to endemic pemphigus foliaceus (fogo selvagem) in three different Brazilian populations. Tissue Antigens 49(1):35-40, 1/1997.
40. Marcos CY, Fernández-Viña MA, Lázaro AM, Nulf CJ, Raimondi EH, Stastny P. Novel HLA-B35 subtypes: putative gene conversion events with donor sequences from alleles common in native Americans (HLA-B\*4002 or B\*4801). Hum Immunol 53(2):148-55, 4/1997.
41. Wang J, Fernández-Viña MA, Lazaro AM, Shumway W, LeFor W, Stastny P. New alleles of the HLA-B15 family. Hum Immunol 55(2):184-9, 7/1997.
42. Theiler GC, Marcos CY, Lindel N, Capucchio M, Schettini J, Vilches C, Gorodezky C, Stastny P, Fernández-Viña M, Satz ML. Complete sequence of HLA-B\*1522: a class I allele that types by serology as HLA-B35. Tissue Antigens 50(3):311-4, 9/1997.
43. Fernández-Viña MA, Lázaro AM, Marcos CY, Nulf C, Raimondi E, Haas EJ, Stastny P. Dissimilar evolution of B-locus versus A-locus and class II loci of the HLA region in South American Indian tribes. Tissue Antigens 50(3):233-50, 9/1997.
44. Marcos CY, Fernández-Viña MA, Lázaro AM, Nulf CJ, Stastny P. A new subtype of HLA-B55 (B\*5504) has a hybrid nucleotide sequence between B\*5502 and any of the alleles B\*4002, B\*4005, B\*4801 or B\*8101. Tissue Antigens 50(6):668-70, 12/1997.
45. Marcos CY, Fernández-Viña MA, Lázaro AM, Nulf CJ, Stastny P. A new subtype of HLA-B57 (B\*5704) found in African-American subjects. Tissue Antigens 50(6):665-667, 12/1997.
46. Lin MS, Swartz SJ, Lopez A, Ding X, Fernández-Viña MA, Stastny P, Fairley JA, Diaz LA. Development and characterization of desmoglein-3 specific T cells from patients with pemphigus vulgaris. J Clin Invest 99(1):31-40, 1997.
47. Debaz H, Olivo A, Vazquez Garcia MN, de la Rosa G, Hernandez A, Lino L, Burgos R, Fernández-Viña M, Stastny P, Gorodezky C. Relevant Residues of DRB1 Third Hyper-variable Region contributing to the expression and severity of Rheumatoid Arthritis (RA) in Mexicans. Hum Immunol 59(5):287-294, 5/1998.
48. Rani R, Narayan R, Fernández-Viña MA, Stastny P. Role of HLA-B and C alleles in development of psoriasis in patients from North India. Tissue Antigens 51(6):618-22, 6/1998.
49. Rani R, Fernández-Viña MA, Stastny P. Associations between HLA class II alleles in a North Indian population. Tissue Antigens 52(1):37-43, 7/1998.
50. Forero L, Zwirner NW, Fink CW, Fernández-Viña MA, Stastny P. Juvenile arthritis, HLA-A2 and binding of DEK oncogene-peptides. Hum Immunol 59(7):443-50, 7/1998.
51. Turner S, Ellexson ME, Hickman HD, Sidebottom DA, Fernández-Viña M, Confer DL, Hildebrand WH. Sequence-based typing provides a new look at HLA-C diversity. J Immunol 161(3):1406-13, 8/1998.
52. Araujo HA, Dole K, Lazaro AM, Fernández-Viña M, Stastny P. Multiple epitopes of HLA-DRB1\*0411 recognized by T cell clones originating from individuals carrying other DR4 subtypes. Hum Immunol 59(9):561-70, 9/1998.
53. Mann DL, Garner RP, Dayhoff DE, Cao K, Fernández-Viña MA, Davis C, Aronson N, Ruiz N, Birx DL, Michael NL. Major histocompatibility complex genotype is associated with disease progression and virus load levels in a cohort of human immunodeficiency virus type 1-infected Caucasians and African Americans. J Infect Dis 178(6):1799-802, 12/1998.
54. Zwirner NW, Fernández-Viña MA, Stastny P. MICA, a new polymorphic HLA-related antigen, is expressed mainly by keratinocytes, endothelial cells, and monocytes. Immunogenetics 47(2):139-48, 1998.
55. Zwirner NW, Fernández-Viña MA, Stastny P. MICA, a new polymorphic HLA-related antigen, is expressed mainly by keratinocytes, endothelial cells, and monocytes. Immunogenetics 47(2):139-48, 1998.
56. Yu N, Ohashi M, Alosco S, Salazar M, Cao K, Fernández-Viña M, Yunis EJ. Typing of HLA-B\*15 alleles using sequence-specific primers. Tissue Antigens 52(3):260-269, 1998.
57. Salamon H, Klitz W, Easteal S, Gao X, Erlich HA, Fernández-Viña M, Trachtenberg EA, McWeeney SK, Nelson MP, Thomson G. Evolution of HLA class II molecules: Allelic and amino acid site variability across populations. Genetics 152(1):393-400, 5/1999. PMCID: PMCPMC1460587.
58. Salamon H, Klitz W, Easteal S, Gao X, Erlich HA, Fernández-Viña M, Trachtenberg EA, McWeeney SK, Nelson MP, Thomson G. Evolution of HLA class II molecules: Allelic and amino acid site variability across populations. Genetics 152(1):393-400, 5/1999.
59. Marcos CY, Fernández-Viña MA, Lázaro AM, Moraes ME, Moraes JR, Stastny P. Novel HLA-A and HLA-B alleles in South American Indians. Tissue Antigens 53(5):476-85, 5/1999.
60. Lázaro AM, Moraes ME, Marcos CY, Moraes JR, Fernández-Viña MA, Stastny P. Evolution of HLA-class I compared to HLA-class II polymorphism in Terena, a South-American Indian tribe. Hum Immunol 60(11):1138-49, 11/1999.
61. Lim JK, Hunter J, Fernández-Viña M, Mann DL. Characterization of LMP Polymorphism in Homozygous Typing Cells and a Random Population. Hum Immunol 30(2):145-151, 1999.
62. Cao K, Chopek M, Fernández-Viña MA. High and intermediate resolution DNA typing systems for class I HLA-A, B, C genes by hybridization with sequence-specific oligonucleotide probes (SSOP). Rev Immunogenet 1(2):177-208, 1999.
63. Hurley CK, Maiers M, Ng J, Wagage D, Hegland J, Baisch J, Endres R, Fernández-Viña M, Heine U, Hsu S, Kamoun M, Mitsuishi Y, Monos D, Noreen H, Perlee L, Rodriguez-Marino S, Smith A, Stastny P, Trucco M, Yang SY, Yu N, Holsten R, Hartzman RJ, Setterholm M. Large-scale DNA-based typing of HLA-A and HLA-B at low resolution is highly accurate specific and reliable. Tissue Antigens 55(4):352-8, 4/2000.
64. Schweitzer EJ, Wilson JS, Fernández-Viña M, Fox M, Gutierrez M, Wiland A, Hunter J, Farney A, Philosophe B, Colonna J, Jarrell BE, Bartlett ST. A high panel-reactive antibody rescue protocol for cross-match-positive live donor kidney transplants. Transplantation 70(10):1531-1536, 2000.
65. Maiers M, Hurley CK, Perlee L, Fernández-Viña M, Baisch J, Cook D, Fraser P, Heine U, Hsu S, Leffell MS, Mauer D, Noreen H, Tang T, Trucco M, Yang SY, Hartzman RJ, Setterholm M, Winden T, Shepherd D, Hegland J. Maintaining updated DNA-based HLA Assignments in the National Marrow Donor Program Bone Marrow Registry. Rev Immunogenet 2(4):449-60, 2000.
66. Hurley CK, Baxter-Lowe LA, Begovich AB, Fernández-Viña M, Noreen H, Schmeckpeper B, Awdeh Z, Chopek M, Salazar M, Williams TM, Yunis EJ, Kitajima D, Shipp K, Splett J, Winden T, Kollman C, Johnson D, Ng J, Hartzman RJ, Hegland J. The Extent of HLA Class II Allele Level Disparity in Unrelated Bone Marrow Transplantation: Analysis of 1259 National Marrow Donor Program Donor-Recipient Pairs. Bone Marrow Transplant 25(4):385-393, 2000.
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48. Fernández-Viña MA, Yunis EJ. Section G: 13th IHWS Serology and HLA Phenotypes. Introduction. In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 879-885, 2006.
49. Meyer D, Single RM, Mack SJ, Lancaster A, Nelson MP, Fernández-Viña M, Erlich H, Thomson G. Single locus polymorphism of classical HLA genes. In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 653-704, 2006.
50. Mulder A, Zoet YM, Eijsink C, Kardol MJ, Franke-van Dijk MEI, Wilson GL, de Paus RA, Heemskerk MHM, Mickelson E, Fernández-Viña MA, Schreuder GMT, van den Elsen PJ, Claas FHJ, and Doxiadis IIN. Single MHC Antigen expressing cell lines for the definition of monoclonal HLA antibody specificities. In: HLA 2002: Immunobiology of the Human MHC, XIII International Congress of Histocompatibility and Immunogenetics. Vol II. Ed(s) Hansen, JA. IHWG Press: Seattle, WA., 97-101, 2006.
51. Fernández-Viña MA, Maiers M, Gutierrez M, Mulder A, Lee JH, Stoddard J, Machan C, Hartzman RJ, Schreuder GMT and Yunis, EJ. Specificity of the reagents utilized in the serology component of the 13th IHWS. In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 890-931, 2006.
52. Fernández-Viña MA, Yunis EJ. State of the art HLA Class I serology: A historical prospective. In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 939-942, 2006.
53. Schreuder GMT Hurley CK, Marsh SGE, Lau M, Maiers M, Kollman C, Noreen HJ, Fernández-Viña M. The HLA dictionary: HLA-A, -B, -C, -DRB1/3/4/5, -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR and -DQ antigens. In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 1117-1119, 2006.
54. Hurley CK, Fernández-Viña MA, Gao X, Middleton D, Noreen H, Ren E, Smith A. Typing for Class I HLA-A with Sequence Oligonucleotide Reagents: Primers and probes. In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 200-215, 2006.
55. Hurley CK, Ren EC, Gao X, Middleton D, Noreen H, Smith A, Fernández-Viña MA. Typing for Class I HLA-B alleles with sequence specific oligonucleotide reagents: Primers and probes. (Technical Manual Chapter 2B-2, Version 1.8. In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 216-245, 2006.
56. Hurley CK, Ren EC, Gao X, Middleton D, Noreen H, Smith A, Fernández-Viña MA.
57. Typing for Class I HLA-C alleles with sequences specific oligonucleotide reagents: Primers and probes. (Technical Manual Chapter 2B-3, Version 1.8. In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 246-252, 2006.
58. Tang T, Fernández-Viña MA, Middleton D, Noreen H, Schmeckpeper B, Smith A, Hurley CK. Typing for Class II alleles with sequence specific oligonucleotide reagents: Primers and probes (Technical Manual Chapter 2C, Version 1.5). In: HLA 2002: Immunology of the Human MHC, Proceedings of the 13th International Histocompatibility Workshop and Conference. Vol I. Ed(s) Hansen, JA. IHWG Press: Seattle, WA, 255-290, 2006.
59. Marino SG, Jaramillo A, Fernández-Viña MA. The human major histocompatibility complex and DNA-based typing of human leukocyte antigens for transplantation. In: Handbook of Human Immunology, 2nd Edition. Ed(s) Taylor & Francis Group, LLC. CRC Press: Boca Raton, FL, 541-564, 2008.

**EDITORIAL AND REVIEW ACTIVITIES**

**EDITOR/SERVICE ON EDITORIAL BOARD(S)**

2001 – Member, Human Immunology

2002 – Section Editor, Human Immunology

2012 – Advisory Board Member, International Journal of Immunogenetics

**JOURNAL REVIEWER**

1997 – Reviewer, European Journal of Immunogenetics

1997 – Reviewer, Human Immunology

1997 – Reviewer, Tissue Antigens

2009 – Reviewer, Autoimmunity

2009 – Reviewer, Blood, 2009

**SCIENTIFIC AND PUBLIC SERVICES AND REVIEWER FOR SCIENTIFIC JOURNALS AND MEETINGS**

10/1993 19th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), Phoenix, AZ, Chair and Reviewer, Abstract Session "HLA polymorphism,".

10/1994 20th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), Pittsburgh, PA , Moderator, Abstract Session, "Molecular Typing,".

10/1995 21st Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), Dallas, TX , Reviewer, Scientific Abstracts.

10/1995 21st Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), Dallas, TX, Moderator, Abstract session, "Molecular characterization of HLA class I antigens,".

06/1996 12th International Histocompatibility Conference, Paris, France, Moderator, Abstract Session "Molecular Characterization of HLA Class I Antigens" Reviewer, Abstract Session.

08/1996 VI International Congress of the Transplantation Society, Barcelona, Spain, Reviewer, Abstract Session.

10/1996 22nd Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Diego, CA, Reviewer, Scientific Abstracts, Moderator, Abstract Session, "Novel HLA Class I Antigens,".

05/1999 18th Annual Meeting of the American Society for Transplantation, Chicago, IL, Evaluator.

11/1999 52nd Annual Meeting of the American Association for Blood Banking, San Francisco, CA, Moderator, Transplant Abstract Session.

2002 13th International Histocompatibility & Immunogenetics Workshop, Reviewer, Abstracts.

2002 American Society for Histocompatibility & Immunogenetics 28th Annual Meeting, Nashville, TN, Reviewer, Abstracts.

10/2002 28th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), Nashville, TN, Moderator, Abstract Session #2, "MHC Class I,".

2003 29th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), Miami, FL, Reviewer, Abstracts.

2007 33rd Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), Minneapolis, MN, Reviewer, Abstracts.

2007 National Marrow Donor Program, Member, NetCord Information Technology Working Group.

2007 National Marrow Donor Program, Member, NetCord Algorithm working Group.

2007– National Marrow Donor Program, Member, HLA Strategy Advisors Committee.

2007– National Marrow Donor Program, Member, Search Determinants Committee.

03/2007 One Lambda 21st Advanced HLA Technical Workshop, Los Cabos, México, Member, Technical Workshop Faculty.

2008 34th Annual Meeting of the American Society for Histocompatibility & Immunogenetics (ASHI), Reviewer, Program Committee Abstract.

2008 European Immunogenetics and Histocompatibility Conference, Toulouse, France, Chair, Abstract Session.

09/2008 15th International Histocompatibility and Immunogenetics Workshop, Rio de Janeiro, Brazil, Reviewer, Abstracts.

03/2009 One Lambda 2009 Clinical Histocompatibility Workshop, Rancho Mirage, CA, Session Chair.

11/2009 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Francisco, CA, Moderator, Plenary Session: NK Cells.

05/2010 24th European Immunogenetics and Histocompatibility Conference & 17th Annual Meeting of the Italian Society for Immunogenetics & Transplantation Biology, Florence, Italy, Chair.

07/2010 1ero Encuentro Internacional de Latinoamérica Sobre Terapéuticas Innovadoras con Células Madres Autólogas, Buenos Aires, Argentina, Faculty.

09/2010 36th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), Hollywood, FL, Moderator, ASHI Abstract Scholar Winner (International): Variations at position 156 of B\*44 determines their tapasin dependence altering their capability to combat viral infections.

09/2010 – 01/2011 Texas Transplant Society (TTS) 2011 Program Committee.

**RECENT ABSTRACTS SUBMITTED TO SCIENTIFIC MEETINGS:**

1. Fernandez-Vina, M. Barnes, Hemantkumar, H.S., Carmazzi,Y. Partlow, D., Cano,P, Champlin R.E., Ciurea, S.O. “Levels of ANTI-HLA DONOR Specific Antibodies (DSA) and GRAFT Outcome in Allogeneic Hematopoietic STEM CELL Transplant.” ASBMT Tandem Scientific Meetings February 15 - 17, 2013, Salt Palace Convention Center, Salt Lake City, UT.

2. Fernandez-Vina, Aung, F., Poon, L.M, Kornblau, S., Cao, K., Champlin R.E., Ciurea, S.O. “Changes in HLA Antigens Is Not a Major Mechanism of Acute Myeloid Leukemia Relapse After Matched Allogeneic Stem Cell Transplantation.” ASBMT Tandem Scientific Meetings February 15 - 17, 2013, Salt Palace Convention Center, Salt Lake City, UT.

3. Klein, J.P.,Spellman, S.R., Hassebroek, A., Confer, D.L., Fernandez-Vina, M., Hartzman, R.,

Katovich Hurley, C., Maiers, M., Mueller,C.R., Setterholm, M., Woolfrey, A., Yu, N., Eapen,M. “Survival After Unrelated Donor Transplantation for Hematologic Malignancy.” February 15 - 17, 2013; Salt Lake City Convention Center, Salt Lake City, UT.

4. Albrecht, M., Chatterjee, S., Schneider, J., Gragert, L., Madbouly, A., Fernandez-Vina, M.A., Maiers. M., “Copula Transformation applied to Haplotype frequency estimation: Modeling High-Resolution Frequencies via Regression Of Lower Level Frequency Components." The 27th EFI European Immunogenetics and Histocompatibility Conference, Maastricht, the Netherlands, May 11th–14th, 2013; John Wiley & Sons A/S Tissue Antigens, 2013, 81, 263–389; O18.

5. Marcelo A. Fernandez-Vina, Tao Wang, Stephanie J. Lee, Michael Haagenson, Mahmoud Aljurf, MedhatAskar, Minoo Battiwalla, Lee-Ann Baxter-Lowe, James Gajewski, Ann Jakubowski, Susana Marino, Machteld Oudshoorn, Steven G. E. Marsh, Effie W. Petersdorf, Kirk Schultz, Victoria Turner, Edmund Waller, Ann Woolfrey, John Umejiego, Stephen R. Spellman, Michelle Setterholm. Mismatches For HLA-C\*03:03/03:04 May Be Better Tolerated Than Other Mismatches In Unrelated Donor Hematopoietic Stem Cell Transplantation.” The 27th EFI European Immunogenetics and Histocompatibility Conference, Maastricht, the Netherlands, May 11th–14th, 2013; John Wiley & Sons A/S Tissue Antigens, 2013, 81, 263–389. O69.

6. Michael Mindrinos, Chunlin Wang, Sujatha Krishnakumar, Konstantinos Barsakis, Molly Miranda, Farbod Babrzadeh, Sundari Suresh, Raquel T. Kuehn, Mark M. Davis, Ronald Davis, Marcelo A. Fernandez-Vina. High Throughput High Fidelity HLA Typing with Deep Sequencing.” The 27th EFI European Immunogenetics and Histocompatibility Conference, Maastricht, the Netherlands, May 11th–14th, 2013; John Wiley & Sons A/S Tissue Antigens, 2013, 81, 263–389. P106.

7. Fiona Yamamoto, Kalyan Mallempati, Heidi Farina, Carolyn Bialozynski, Joel Shi, Chunlin Wang, Michael Mindrinos, Damian Goodridge, David Dinauer, Dolly Tyan, Marcelo A. Fernandez-Vina, Matthew W. Anderson. “High-Throughput Shotgun Swquencing of The HLA-DQA1 Gene.” The 27th EFI European Immunogenetics and Histocompatibility Conference, Maastricht, the Netherlands, May 11th–14th, 2013; John Wiley & Sons A/S Tissue Antigens, 2013, 81, 263–389. P117.

8. Martin Maiers, Jason Dehn, Craig Malmberg, Machteld Oudshoorn, Marcelo A. Fernandez-Vina, Katharina Fleischhauer. “Use Of A Neural Network To Predict T-Cell Epitope Group Assignments for T-Cell The 27th EFI European Immunogenetics and Histocompatibility Conference, Maastricht, the Netherlands, May 11th–14th, 2013; John Wiley & Sons A/S Tissue Antigens, 2013, 81, 263–389. P156.

9. Gragert, L., Maiers, M., Turner, V., Setterholm, M., Malmberg, C., Kempenich, J., Senitzer, D., Gendzekhadze, K., Yu, N., Fernandez-Vina, M. Evaluation of Impact Of Updates To The Common And Well Documented Allele List (CWD2) On HLA Typing Of US Populations.” Submitted to 39th Annual Meeting, November 17 - November 21, 2013, Sheraton Chicago Hotel and Towers, Chicago, IL.

**SCIENTIFIC PRESENTATIONS AT NATIONAL OR INTERNATIONAL CONFERENCES**

Speaker: American Society for Histocompatibility and Immunogenetics (ASHI) 15th Annual Meeting, Toronto, Canada, 9/1989.

Speaker: ASHI 16th Annual Meeting, Los Angeles, CA, 11/1990.

Speaker: ASHI 17th Annual Meeting, Washington D.C., 10/1991.

Speaker: 56th Annual Scientific Meeting of the American College of Rheumatology, Atlanta, GA, 10/1992.

Speaker: ASHI 18th Annual Meeting, Kansas City, MO, 10/1992.

Speaker: Joint Meeting of the American Association of Immunologists and the Clinical Immunology Society, Denver, Co, 05/1993.

Speaker: ASHI 19th Annual Meeting, Phoenix, AZ, 10/1993.

Speaker: Molecular characterization of HLA class I antigens, 21st Annual Meeting of American Society for Histocompatibility and Immunogenetics (ASHI), Dallas, TX, 10/1995.

Speaker: 12th International Histocompatibility Workshop, Saint Malo, France, 06/1996.

Speaker: ASHI 23rd Annual Meeting, Atlanta, Georgia, October 14-19, 1997.

Speaker: ASHI 24th Annual Meeting, Vancouver, BC, 10/1998.

Speaker: ASHI 25th Annual Meeting, New Orleans, LA, 10/1999.

Speaker: The Contribution of HLA Class I Alleles to Psoriasis in Nuclear and Extended Families, 14th European Histocompatibility Conference, Montpellier, France, 04/04/2000.

Speaker: Amino Acid Residues determining epitopes on HLA-A alleles recognized by Monoclonal Antibodies in Flow Cytometry, 29th Annual Meeting of American Society for Histocompatibility and Immunogenetics (ASHI), Miami, FL, 10/2003.

Speaker: Combination of residues located in the alpha helical, connecting loops and/or beta sheets of the HLA-class I molecules determine HLA class I serologic epitopes, 29th Annual Meeting of American Society for Histocompatibility and Immunogenetics (ASHI), Miami, FL, 10/2003.

Speaker: Combinatorial Algorithms Provide Fine Mapping Of Epitopes Recognized By HLA Class I Monoclonal Antibodies, 29th Annual Meeting of American Society for Histocompatibility and Immunogenetics (ASHI), Miami, FL, 10/2003.

Speaker: HLA class II Haplotype diversity in the analysis of 4727 donors typed by SBT, 29th Annual Meeting of American Society for Histocompatibility and Immunogenetics (ASHI), Miami, FL, 10/2003.

Speaker: HLA null and low expression alleles in the National Marrow Donor Program Donor/Recipient Pair Project, 29th Annual Meeting of American Society for Histocompatibility and Immunogenetics (ASHI), Miami, FL, 10/2003.

Speaker: HLA Dictionary, 14th HLA Workshop, Melbourne, Australia, 11/2005.

Speaker: South-American alleles in the Caribbean and finding a match by extended family testing of a patient with two rare HLA-A alleles, 32nd Annual Meeting of American Society for Histocompatibility and Immunogenetics (ASHI), San Diego, CA, 10/2006.

Speaker: Characterization of supertypic HLA-C epitopes related to the KIR-ligand dimorphism, 21st European Immunogenetics & Histocompatibility Conference, Barcelona, Spain, 05/2007.

Speaker: Common and well-documented HLA alleles. Report of the Ad-Hoc committee of the American Society for Histocompatibility and Immunogenetics, 21st European Immunogenetics & Histocompatibility Conference, Barcelona, Spain, 05/2007.

Speaker: Challenges in Stem Cell Transplantation (Workshop 4, 33rd Annual Meeting of American Society for Histocompatibility & Immunogenetics (ASHI), Minneapolis, MN, 10/2007.

Speaker: Mismatches at the Low-Expression (LEL) HLA class II loci, MICA and the NOD2/CARD15 Genotype determine poor outcome in Bone Marrow Transplantation, 33rd Annual Meeting of American Society for Histocompatibility & Immunogenetics (ASHI), Minneapolis, MN, 10/2007.

Speaker: Mismatches In DPB1, DQB1, DRB3/4/5 And MICA Play A Significant Role In Allogeneic HSC Transplantation, 34th Annual Meeting of American Society for Histocompatibility and Immunogenetics (ASHI), Toronto, Canada, 10/2008.

Speaker: The Clinical Significance of Matching for Alleles at the Low Expression HLA Loci DP, DQ and DRB3/4/5 in Unrelated Hematopoietic Stem Cell Transplantation, 2008 Annual Meeting of the American Society of Hematology, San Francisco, CA, 12/2008.

Speaker: High risk of graft failure in patients with anti-HLA antibodies undergoing haploidentical stem cell transplantation, 23rd European Immunogenetics & Histocompatibility Conference, Ulm, Germany, 5/10/2009.

Speaker: Mutations in Leukemia Cells Show Selective Preference for Bw6 Alleles, Avoiding NK-Cell-Related Immunosurveillance, 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Francisco, CA, 11/03/2009.

Speaker: Recurrent Generation of Allele DRB5\*0113 By Gene Conversion, 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Francisco, CA, 11/3/2009.

Speaker: High Risk of Graft Failure in Patients with Anti-HLA Antibodies Undergoing Haploidentical Stem Cell Transplantation, 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Francisco, CA, 11/05/2009.

Speaker: Special Forum: Clinical Applications of Antibody Testing, 35th Annual Meeting of the American Society for Histocompatibility & Immunogenetics, San Francisco, CA, 11/2009.

Speaker: Recurrent generation of allele DRB5\*0113 by gene conversion 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Francisco, CA, 11/2009.

Speaker: HLA mutations in leukemia cells show selective preference for Bw6 alleles, avoiding NK-cell-related immunosurveillance, 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics (ASHI), San Francisco, CA, 11/2009.

Speaker: The role of donor-specific anti-HLA antibodies (DSA) in hematopoietic stem cell transplantation, 2010 BMT Tandem Meeting, Orlando, FL, 02/24/2010.

Speaker: Stem Cell Transplantation, The 27th annual EFI European Immunogenetics and Histocompatibility Conference, Maastricht, The Netherlands, 05/12/13.

**SEMINAR AND LECTURES AT NATIONAL AND INTERNATIONAL SCIENTIFIC MEETING AND INVITATIONS FROM OTHER INSTITUTIONS**

Speaker: Molecular Methods in Tissue Typing, Sociedad Argentina de Histocompatibilidad e Immunogenetica, Buenos Aires, Argentina, 12/1995.

Speaker: 12th International Histocompatibility Workshop, “Summary of the DNA typing component of the 12th IHWS”, Saint Malo, France, 05/1997.

Speaker: American Association of Anthropological Genetics, Mexico City, Mexico, 11/1997.

Speaker: HLA Class I and Class II Diversity in Human Populations, Howard University, College of Medicine, Department of Microbiology, Washington, DC, 04/1998.

Speaker: HLA Class I and Class II Diversity in Human Populations, American Association of Immunologists, 98 Experimental Biology Meeting, San Francisco, CA, 1998.

Speaker: “Diversity and Diversification of HLA class I Alleles”, National Cancer Institute, Fredrick, MD, 03/17/1999.

Speaker: “HLA diversity in inbreed and outbreed populations”, University of Geneva, Geneva, Switzerland, 04/21/1999.

Speaker: “Population Diversity of HLA System: Impact in Organ Allocation and Outcome”, Immunobiology and Transplant Biology Research Conference at the University of Maryland Medical System, Baltimore, MD, 10/9/1999.

Speaker: HLA Diversity Annual Scientific Meeting of Australasian and South East Asian Tissue Typing Association (ASEATTA), Auckland, New Zealand, 1999.

Speaker: 9th Annual Koppisch Lecture, University of Puerto Rico. San Juan, Puerto Rico, 09/24/2000.

Speaker: “Diversity of HLA Class I Loci in Inbred and Out bred Populations, HLA and Anthropology Symposium, Joint Meeting of Human Biology Association/American Society of Physical Anthropologists, Kansas City, KS, 03/28/2001.

Speaker: 7th Annual Brazilian Organ Transplant Congress of ABTO-Brazilian Association of Organ Transplant, 7th Nursing Meeting for Transplant and Histocompatibility Forum 2001 of ABH-Brazilian Association of Histocompatibility, State of Espirito Santo, Brazil, 03/2001.

Speaker: 13th International Histocompatibility Workshop, “Summary of the Serology Component of the 13th IHWS”, Victoria, Canada, 05/2002.

Speaker: “Genetic Diversity of the HLA System”, X Congress Of The Brazilian Society Of Bone Marrow Transplantation, Curitiba, Brazil, 08/2006.

Speaker: Impact of HLA Mismatches in the Outcome of Hematopoietic Stem Cell Transplantation, X Congress Of The Brazilian Society Of Bone Marrow Transplantation, Curitiba, Brazil, 08/2006.

Speaker: Implications of genetic diversity in hematopoietic stem cell donor search and selection of tests for donor typing, X Congress Of The Brazilian Society Of Bone Marrow Transplantation, Curitiba, Brazil, 08/2006.

Speaker: Allo-Epitopes of HLA Molecules: Relevance in Donor Selection for Solid Organ Transplantation and post-transplant monitoring, X Congress of the Brazilian Society Of Bone Marrow Transplantation, Curitiba, Brazil, 08/13/2006.

Speaker: HLA typing (methods, main technician problems, ambiguities, solutions) X Congress Of The Brazilian Society Of Bone Marrow Transplantation, Mexico City, México, 08/13/2006.

Speaker: MICA genes and organ transplantation – anti-MIC A and MIC B antibodies, X Congress Of The Brazilian Society Of Bone Marrow Transplantation, Curitiba, Brazil, 08/13/2006.

Speaker: Strategies of Recruitment of Donors for Bone Marrow Transplantation, The Israel Society for Histocompatibility and Immunogenetics (ISHI) Symposium, Tel Aviv, Israel, 05/2006.

Speaker: HLA and Diseases: Present and Future, XIV National Congress AIBT Immunogenetica E Biologia Del Trapianto Di Midollo Osseo, L’Aquila, Italy, 09/2007.

Speaker: 15th International Histocompatibility Conference Workshop, “Summary of the Epitope Analysis Component of the 15th IHWS”, Rio de Janeiro and Buzios, Brazil, 09/2008.

Speaker: Criteria for selecting bone marrow/peripheral blood stem cell donors when there is a choice of two or more HLA incompatible donors, 13th Congress of the Brazilian Society of Bone Marrow Transplantation. Brazilian Society of Histocompatibility (ABH), Curitiba, Brazil, 08/2009.

Speaker: What else in HLA (and how) we should look at for optimal donor/CBU selection? Low expression loci, MICA and allo-antibodies, 13th Congress of the Brazilian Society of Bone Marrow Transplantation. Brazilian Society of Histocompatibility (ABH), Curitiba, Brazil, 08/2009.

Speaker: Tracking of Human Migrations by the analysis of the distribution of HLA alleles, lineages and haplotypes in closed and open populations at the “Human evolution, migration and history revealed by genetics, immunity and infection,” The Royal Society, London, England, 06/2011.

Speaker: La Tipificacion HLA y el Analisis de polimorfismos no codificantes en el mapeo de genes de susceptibilidad en enfermedades, Mexico Annual Molecular Genetics Workshop 2011, Mexico, 08/03/11.

Speaker: Impact of HLA Classic and Non-Classic Mismatched in Unrelated HSCs Transplantation, Mexico Annual Molecular Genetics Workshop 2011, Mexico, 08/05/2011.

Speaker: Genetic Diversity of Open as well as Endogamous Populations, Mexico Annual Molecular Genetics Workshop 2011, Mexico, 08/05/2011.

Speaker: HLA in Different Populations, Evolution. 8th Int’l Summer School of Immunogenetics, ASHI, San Juan Puerto Rico, 09/19/11.

Speaker: HLA Allo-immunogenicity in Transplantation 8th Int’l Summer School of Immunogenetics, ASHI, San Juan Puerto Rico, 09/21/11.

Invitation to make a Key Note Address. APHIA, Asia-Pacific Histocompatibility Immunogenetics Association, 2011 Conference, Sidney, Australia 11/15/11.

Speaker: Testing for Anti-HLA Antibodies in Haematopoietic Stem Cell Transplantation. APHIA, Asia-Pacific Histocompatibility Immunogenetics Association, 2011 Conference, Sidney, Australia 11/17/11.

Speaker: Update on Matching for HLA, KIR and Minor Transplant antigen in HSCT. APHIA, Asia-Pacific Histocompatibility Immunogenetics Association, 2011 Conference, Sidney, Australia 11/17/11.

Speaker: HKSHI Inaugural Ceremony, Hong Kong Society for Histocompatibility, Hong Kong, ASHI, November 27-30, 2011.

Speaker: Evaluation of HLA Sensitization in Allogeneic Hematopoietic Stem Cell Transplantation. One Lambda Advanced HLA Technical Workshop, Honolulu, Hawaii. 03/08/12.

Speaker: Frequencies of Rare Alleles.” 16th International HLA and Immunogenetics Workshop and Joint Conference of the IHIW, EFI and BSHI Conference, Liverpool, England., 05/30/12.

Speaker: High Resolution HLA typing: definition, typing, strategies and resolution of ambiguities. XVI Bone Marrow Transplantation Congress, Ribeirao Preto, Sao Paulo, Brazil, 08/02/12.

Speaker: High Resolution HLA Typing: how to report typing results, XVI Bone Marrow Transplantation Congress, Ribeirao Preto, Sao Paulo, Brazil, 08/02/12.

Speaker: Donor Selection. Analysis of outcome factors for donor selection, XVI Bone Marrow Transplantation Congress, Ribeirao Preto, Sao Paulo, Brazil, 08/03/12.

Speaker: Role of anti-HLA antibodies in HSCT, XVI Bone Marrow Transplantation Congress, Ribeirao Preto, Sao Paulo, Brazil, 08/03/12.

Speaker: HLA- where are we going? New generation typing, XVI Bone Marrow Transplantation Congress, Ribeirao Preto, Sao Paulo, Brazil, 08/04/12.

Speaker: Analysis Of Non Coding HLA Polymorphisms Relevant For Susceptibility To Infections: Malaria and Psoriasis, 08/08/12.

Speaker: “Plenary IV: State of the Art of HSCT.” Puerto Rico Convention Center, San Juan, Puerto Rico, 10/12/12.

Speaker: “Histocompatibility Criteria for Selection of Donors in Allogeneic Hematopoietic Stem Cell Transplantation.” American Society for Bone Marrow Transplantation Tandem Scientific Meetings.” Salt Lake City Convention Center, Salt Lake City, UT, February 17, 2013.

Speaker: “HLA factors determining outcomes in Allogeneic Hematopoietic Stem Cell Transplantation and the definition of criteria for selection of unrelated donors.” 2nd International Forum on HLA & Transplantation, Beijing, China, 04/19/13.

Speaker: “Histocompatibility Factors for Optimal Donor Selection in HSCT.” The 27th annual EFI European Immunogenetics and Histocompatibility Conference, Maastricht, The Netherlands, 05/12/13.

Speaker: The Significance of the Direction of the HLA Mismatch in Cord Blood Matching and the Implication of Graft-Specific Anti-HLA Antibodies, The 11th Annual International Cord Blood Symposium, San Francisco, CA, 06/07/13.

**OTHER PRESENTATIONS AT STATE AND LOCAL CONFERENCES**

Speaker: One Lambda HLA Workshop, San Juan, Puerto Rico, 02/1998.

Speaker: “Correlating Serological Testing with DNA Methods”, One Lambda Scientific Workshop, Palm Springs, CA, 03/1999.

Speaker: “Population diversity of HLA class I alleles. Implications for the delineation of molecular typing strategies”, Roche Molecular System, Alameda, CA, 09/1999.

Speaker/Co-Project Leader: “Workshop 6: 13th IW Update: New, Null and Challenging HLA Allele Assignments”, New Orleans, LA, 10/20/1999.

Speaker: “Donor Specific HLA Antibodies in Allo-immunized Patients Awaiting KidneyTransplant Can Be Effectively Removed by Plasmapheresis and Immunosuppression”. One Lambda 14th Annual Clinical Histocompatibility Workshop, Montego Bay, Jamaica, 03/2000.

Speaker: “High Level of HLA Class I Diversity in Four African Populations as Compared to Other Ethnic Groups”, One Lambda 16th Annual Advanced HLA Technical Workshop, Honolulu HI, 02/27/2001– 03/03/2001.

Speaker: “HLA Class I Diversity in Out bred North American Populations”, One Lambda 16th Annual Advanced HLA Technical Workshop, Honolulu, HI, 02/27/2001– 03/03/2001.

Speaker: Search Strategies: "Where in the World is My Donor?”.National Marrow Donor Program, Council Meeting, Minneapolis, MN, 11/2003.

Speaker: Definition of the HLA Population Diversity Boundaries for Clinical Histocompatibility Practice, One Lambda Clinical Histocompatibility Workshop, Los Cabos, Mexico, 03/2005.

Speaker: Anti-HLA antibodies in bone-marrow transplantation, One Lambda HLA Symposium, Kona, HI, 03/2006.

Speaker: Automation in the HLA Typing Laboratory, One Lambda HLA Symposium, Kona, HI, 03/2006.

Speaker: The Role of DPB1 Typing in Related-Donors for Allogeneic Bone Marrow Transplantation, One Lambda Clinical Histocompatibility Workshop, Waikoloa, HI, 03/2006.

Speaker: Antibody Specificity Detection, Annual Scientific Meeting of the Texas Transplantation Society, Galveston, TX, 07/2008.

Speaker: Role of Antibodies in Bone Marrow Transplantation, Annual Scientific Meeting of the Texas Transplantation Society, Galveston, TX, 07/2008.

Speaker: “State of the Art HLA Testing for BM/Stem Cell Transplantation, Tepnel Lifecodes HLA”, Scientific Symposium, St. John's, Virgin Islands, US, 05/2009.

**TEACHING**

**FORMAL TEACHING AND COURSES TAUGHT- THE UNIVERSITY OF TEXAS, M.D. ANDERSON CANCER CENTER**

Lecturer: Histocompatibility, 2005.

Lecturer: Impact of the genetic diversity of the HLA system in the search of unrelated donors for hematopoietic stem cell transplantation, The University of Texas M. D. Anderson Cancer Center, Pathology & Laboratory Medicine’s Grand Rounds, 2005.

Speaker: Population Diversity of the HLA System: "Implications in Unrelated Bone Marrow Transplantation", UT M. D. Anderson Cancer Center, Houston, Texas, Grand Rounds, April 15, 2005.

Lecturer: Common and Well-Documented HLA Alleles: Report Of The Ad-Hoc Committee Of The American Society For Histocompatibility And Immunogenetics, 2007.

Lecturer: Histocompatibility II, 2008.

Lecturer: HLA Typing Challenges in Hematopoietic Stem Cell Transplant, 2008.

Lecturer: Histocompatibility, 2009.

Lecturer: Population Genetics for Dummies: How to get the most out of allele and haplotype frequency types, 2009.

**OTHER FORMAL TEACHING**

Lecturer: Pathology & Laboratory Medicine Grand Rounds, 04/2005

Lecturer: Molecular Diagnostics Laboratory Journal Club, 02/2006

Lecturer: Molecular Diagnostics Laboratory Journal Club, 07/2006

Lecturer: Hematology Grand Rounds, Department of Leukemia, 04/2009

Lecturer: Pathology & Laboratory Medicine Grand Rounds, 11/2009

**DIRECT SUPERVISION**

**UNDERGRADUATE AND ALLIED HEALTH STUDENTS**

Cintia Rosalia Perez, Molecular Genetic Technology Program, 05/2008 – 06/2008

Mentor: Faye Han, Carnegie Melon University, 05/2008 – 08/2008

Afsoon Makki Habibi, Molecular Genetic Technology Program, 06/2008 – 08/2008

**GRADUATE STUDENTS**

Danielli Cristina Muniz, 08/2009 – 02/2010

**CLINICAL RESIDENTS AND FELLOWS**

Chemical Pathology Fellow, Mary Kay Vaske, MD, 02/2009

Blood Bank Fellowship Program, Nick Batty, MD, 09/2009 – 10/2009

Fellow, Histocompatibility & Immunogenetics Training Program, Fleur M. Aung, MD, 09/2009 – 08/2011

**OTHER SUPERVISORY TEACHING**

Chris Rokes, MD, Pediatric Fellow, 02/2007

Danielli Cristina Muniz, Short Term Observer, 10/2007

Cecilia Gamba, Visitor, 10/2007 – 11/2007

Elena Outon Roman, Observer, 10/2007 – 11/2007

Wenyong Zhang, MD, BMT Fellow, 12/2007

Morgani Rodrigues, Short Term Observer, 03/2008

Matteo Pelosini, MD, Short Term Observer, 05/2008

Monica Leal Goldstein, MD, Short Term Observer, 05/2008 – 06/2008

Asmaa Esh, MD, Observer, 9/2008 – 11/2008

Fleur M. Aung, MD, Transfusion Medicine Fellow, 10/2008 – 11/2008

Cintia Yanina Marcos, Short Term Observer, 11/2008

Margareth Afonso Torres, MD, Short Term Observer, 11/2008

Ebru Koca, MD, BMT Fellow, 12/2008

Yvonne A. Efebera, MD, BMT Fellow, 04/2009

Rolando Garcia-Morales, MD, Short Term Observer, 08/2009

**FORMAL TEACHING/COURSES TAUGHT**

Lecturer: Educational Workshop: DNA typing in Histocompatibility, ASHI 16th Annual Meeting, Los Angeles, CA, 11/1990.

Lecturer: Educational Workshop: ASHI Regional Workshop, San Antonio, TX, 04/1991.

Lecturer: Course of HLA and Immunogenetics, Universidad Nacional Autónoma de México, 08/1991.

Lecturer: Educational Workshop, ASHI Western Regional Meeting, San Francisco, CA, 04/1994.

Speaker: “Class I DNA Analysis” teaching session, Joint Meeting of the European Foundation for Immunogenetics and the British Society for Histocompatibility and Immunogenetics, Brighton, England, 03/1995.

Professor: American Society for Histocompatibility and Immunogenetics, Sociedad Argentina de Inmunologia, Centro Argentino-Brasilero de Biotecnologia, Maestria en Biotecnologia, University of Buenos Aires, The American Board of Histocompatibility and Immunogenetics, Buenos Aires, Argentina

Professor: "First Course of Recent Advances in Histocompatibility and Immunogenetics," 08/1995.

Speaker: ASHI Southern Regional Workshop, San Antonio, Texas, 04/1995.

Speaker: 12th International Histocompatibility Workshop, Saint Malo, France, 06/1996.

Lecturer: Basic Molecular Biology, Post Graduate Course II, European Congress of Allergology and Clinical Immunology, Madrid, Spain, 06/1995.

Lecturer: Molecular Typing of HLA Class I Alleles: Population Diversity, SEOPF Annual Meeting, Baltimore, MD, 1998.

Lecturer: Course of HLA and Immunogenetics, Universidad Nacional Autónoma de México, 07/1999.

Lecturer: Course of HLA and Immunogenetics, Universidad Nacional Autónoma de México, 08/2001.

Lecturer: ASHI, Northeast Regional Education Workshop, Baltimore, MD, 04/2002.

Lecturer: Genes in Populations I, Current Topics in Histocompatibility and Transplantation / Human and Microbial Genetics Course, Georgetown University, Microbiology & Immunology, Georgetown, MD, 2002.

Lecturer: Genes in Populations II, Current Topics in Histocompatibility and Transplantation / Human and Microbial Genetics Course, Georgetown University, Microbiology & Immunology, Georgetown, MD, 2002.

Lecturer: 17th Annual Theoretical and Practical Course on Molecular Genetics, Universidad Nacional Autónoma de México, México, 08/2002.

Lecturer: HLA criteria for donor searches. National Marrow Donor Program Transplant Center Spring Meeting, Las Vegas, NV, 2002.

Lecturer: Genes in Populations I, Current Topics in Histocompatibility and Transplantation / Human and Microbial Genetics Course, Georgetown University, Microbiology & Immunology, Georgetown, MD, 2003.

Lecturer: Genes in Populations II, Current Topics in Histocompatibility and Transplantation / Human and Microbial Genetics Course, Georgetown University, Microbiology & Immunology, Georgetown, MD, 2003.

Lecturer: 18th Annual Theoretical and Practical Course on Molecular Genetics, Universidad Nacional Autónoma de México, 08/2003.

Speaker: National Marrow Donor Program, Council Meeting, “Search Strategies: Where in the World is My Donor?” Minneapolis, 11/2003.

Lecturer: ASHI, Northeast Regional Education Workshop, Syracuse, NY, 05/2004.

Lecturer: Metodos que se Usan para la Tipificacion Molecular de Genes Clase I y Clase II Ventajas y Desventajas, XXIII Curso Teorico Practico de Actualizacion en Histocompatibilidad, Mexico City, México, 08/2004.

Lecturer: Bone Marrow Transplantation, Second International Summer School, American Society for Histocompatibility & Immunogenetics, San Miguel Allende, México, 08/2005.

Lecturer: Immunogenetics and Polymorphism, Second International Summer School, American Society for Histocompatibility & Immunogenetics, San Miguel Allende, México, 08/2005.

Lecturer: Impact of Genetic Diversity in HSC Transplantation: Search Strategies of Unrelated Donors, XXIV Current Course on Histocompatibility Didactic and Laboratory Parts, Mexico City, México, 08/2005.

Lecturer: MHC Selection Criteria for Related and Unrelated Hematopoietic Stem Cell (HSC) Transplantation, XXIV Current Course On Histocompatibility Didactic And Laboratory Parts, Mexico City, México, 08/2005.

Lecturer: Results of Bone Marrow and Cord Blood Transplantation. Effect of Different Mismatches in the Outcome, XXIV Current Course on Histocompatibility Didactic and Laboratory Parts, Mexico City, México, 08/2005.

Lecturer: The Different Methods Used for Molecular Typing of Class I and Class II Typing, XXIV Current Course on Histocompatibility Didactic and Laboratory Parts, Mexico City, México, 08/2005.

Lecturer: “Histocompatibility” Molecular Pathology/Genetics Course, Baylor College of Medicine, Houston, TX, 01/04/2005.

Lecturer: Population Genetics & Infections, XXV Didactic and Practical Current Course on Histocompatibility and the XXI Didactic & Practical Course on Molecular Genetics & Histocompatibility Course and Molecular Genetics, Mexico City, México, 08/09/06.

Lecturer: The Different Methods Used for Molecular Typing of Class I & Class II Genes, XXV Didactic and Practical Current Course on Histocompatibility and the XXI Didactic & Practical Course on Molecular Genetics & Histocompatibility Course and Molecular Genetics, Mexico City, México, 08/09/06.

Lecturer: Molecular Mechanisms of HLA Association in Psoriasis: MHC and KIR Genes, XXV Didactic and Practical Current Course on Histocompatibility and the XXI Didactic & Practical Course on Molecular Genetics & Histocompatibility Course and Molecular Genetics, Mexico City, México, 08/10/06.

Lecturer: Importance of High Resolution Class I & Class II Typing for the Clinical Outcome of Bone Marrow Transplantation with Unrelated Donors of Cord Blood Cells, XXV Didactic and Practical Current Course on Histocompatibility and the XXI Didactic & Practical Course on Molecular Genetics & Histocompatibility Course and Molecular Genetics, Mexico City, México, 08/11/06.

Lecturer: Genetic Diversity in Populations & Their Impact on Infections: Malaria as an Example and Class II Typing, XXVI Didactic and Practical Current Course on Immunogenetics and the XXII Didactic and Practical Course on Molecular Genetics, Mexico City, México, 08/2007.

Lecturer: Importance of High Resolution Class I & Class II Typing for the Clinical Outcome of Bone Marrow Transplantation With Unrelated Donors or Cord Blood Cells, XXVI Didactic & Practical Current Course on Immunogenetics and the XXII Didactic and Practical Course on Molecular Genetics, Mexico City, México, 08/2007.

Lecturer: Molecular Mechanisms of HLA Association in Psoriasis: MRC & KIR Genes, XXVI Didactic & Practical Current Course on Immunogenetics and the XXII Didactic and Practical Course on Molecular Genetics, Mexico City, México, 08/2007.

Lecturer: “The Different Methods Used for Molecular Typing of Class I, XXVI Didactic & Practical Current Course on Immunogenetics and the XXII Didactic and Practical Course on Molecular Genetics, Mexico City, México, 08/2007.

Lecturer: “New alleles generation mechanisms.” Rare HLA alleles, Ministério da Educação Universidade Federal Do Parana, de Genética Laboratório de Imunogenética e Histocompatibilidade, Curitiba, Brazil, 09/2007.

Lecturer: “Update on the HLA rare alleles component.” 15 IHWMinistério da Educação Universidade Federal Do Parana, de Genética Laboratório de Imunogenética e Histocompatibilidade, Curitiba, Brazil, 09/2007.

Lecturer: “Tests and criteria for optimal selection of Hematopoietic Stem Cell Donors.” The Histocompatibility Brazilian Association – Associação Brasileira de Histocompatibilidade (ABH), Buzios, Brazil, 09/2008.

Lecturer: “Rare and Null Alleles - Characterization and Clinical Significance.” 24th European Immunogenetics & Histocompatibility Conference & 17th Annual Meeting of the Italian Society for Immunogenetics & Transplantation Biology, Florence, Italy, Teaching Session, 05/2010.

Lecturer: “New Sequencing Methodologies For Detection of HLA Polymorphism.” The 31st Didactic and Practical Current Course on Immunogenetics and the 27th Didactic and Practical Course on Molecular Genetics. at the Department of Immunology and Immunogenetics, InDRE, Mexico City, Mexico, 08/09/12.

Lecturer: “Impact of HLA Classic and Non-Classic Mismatches In Unrelated HSCS Transplantation.” The 31st Didactic and Practical Current Course on Immunogenetics and the 27th Didactic and Practical Course on Molecular Genetics. at the Department of Immunology and Immunogenetics, InDRE, Mexico City, Mexico, 08/10/12.

Lecturer: "The Impact Of The MHC Genetic Diversity In Searches Of An Unrelated Donor for HSC Transplantation.” The 31st Didactic and Practical Current Course on Immunogenetics and the 27th Didactic and Practical Course on Molecular Genetics, at the Department of Immunology and Immunogenetics, InDRE, Mexico City, Mexico. 08/10/12.

Lecturer: “HLA Epitopes in Clinical Histocompatibility Testing.” ASHI 38th Annual Meeting. Puerto Rico Convention Center, San Juan, Puerto Rico, 10/10/12.

Lecturer: “HLA matching for bone marrow transplantation and unrelated donor searches.” Residents and Clinical Fellows Lecture, Stanford Medical School Blood Center, Palo Alto, CA, 11/07/12.

Lecturer: “HLA matching for bone marrow transplantation and unrelated donor searches.” Residents and Clinical Fellows Lecture, Stanford Medical School Blood Center, Palo Alto, CA, 02/06/13.

Lecturer: “HLA matching for bone marrow transplantation and unrelated donor searches.” Residents and Clinical Fellows Lecture, Stanford Medical School Blood Center, Palo Alto, CA, 03/11/13.

Lecturer: “Genetics and Immunobiology of the HLA System.” Residents and Clinical Fellows Lecture, Stanford Medical School Blood Center, Palo Alto, CA, 05/29/13.

Lecturer: “Review HLA typing methods and results.” Residents and Clinical Fellows Lecture, Stanford Medical School Blood Center, Palo Alto, CA, 06/11/13.

Lecturer: “Tracking of human migrations by the analysis of the distribution of HLA alleles, lineages and haplotypes in closed and open populations.” Annual Workshop: 32th Current Course on Immunogenetics and 28th Current Course on Molecular Genetics Educational Program of ASHI. Hotel Marquis Reforma, Mexico City, Mexico, 08/12/13.

Lecturer: “Development and Implementation of Next Generation Sequencing (NGS) Based Methods for Tissue Typing.” Annual Workshop: 32th Current Course on Immunogenetics and 28th Current Course on Molecular Genetics Educational Program of ASHI. Hotel Marquis Reforma, Mexico City, Mexico, 08/14/13.

Lecturer: “Histocompatibility Criteria for Selection of Donors in Allogeneic Hematopoietic Stem Cell Transplantation.” Annual Workshop: 32th Current Course on Immunogenetics and 28th Current Course on Molecular Genetics Educational Program of ASHI. Hotel Marquis Reforma, Mexico City, Mexico, 08/15/13.

**EXAMINING COMMITTEES**

Member, Examining Committee, Programa de Pós-Graduação em Genética, Ministério Da Educação E Desporto, Universidade Federal Do Paraná Setor De Ciências Biológicas, Departamento De Genética, Rafael Gustavo Vargas, PhD, 09/2009.

**GRADUATE STUDENTS**

Member, Thesis Committee, University of Texas Southwestern Medical Center, Department of Microbiology & Immunology, Deborah Jackson, 09/1995.

Member, Thesis Committee, Howard University, Department of Genetics, Noureddine Berka, 09/1997.

Member, Thesis Committee, University of Maryland Medical Center, Department of Pathology, Bo Fan, 09/1998.

**CLINICAL RESIDENTS AND FELLOWS**

University of Maryland Medical School, Department of Pathology, Noureddine Berka, PhD, 1998 – 2000.

Georgetown University, Department of Pediatrics, Maria Teresa Franco, MD, 2001 – 2003.

**LABORATORY INSPECTOR FOR ASHI INSPECTIONS**

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Australian Red Cross July 24-25, 1998

Southern Region

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Victoria, Australia

Princess Alexandra Hospital July 27, 1998

Queensland Health Pathology Service

IPSWICH Road

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University of California, San Diego November 9, 1999

Immunogenetics and Transplantation Laboratory

9894 Genesee Ave, Suite 101

La Jolla, CA 92037

New York Blood Center May 29, 2003

Laboratory of Immunogenetics

New York, NY