Stanford



Peter Parham

Professor of Structural Biology and, by courtesy, of Microbiology and Immunology

Bio

ACADEMIC APPOINTMENTS

- Professor, Structural Biology
- Professor (By courtesy), Microbiology and Immunology
- Member, Bio-X
- Member, Stanford Cancer Institute

LINKS

- The Parham Laboratory: https://web.stanford.edu/group/parhamlab/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The Parham laboratory investigates the biology, genetics, and evolution of Major Histocompatibility Complex (MHC) class I molecules, natural killer (NK) cell receptors, and other immune system molecules. Classical MHC class I molecules are peptide-binding glycoproteins expressed on the surface of most vertebrate cells where they interact with the receptors of cytolytic CD8+ T lymphocytes and NK cells of the immune system. Both these types of killer lymphocytes are important for defence against viruses - generalised NK cell response at the beginning of infection, and specific T cell response further on if the pathogen is not eliminated by innate immunity. The rapid evolution of viruses selects for diversity of MHC class I molecules within populations of humans and other vertebrates. One consequence of this diversity is that MHC class I difference is a major immunological barrier to tissue transplants between unrelated donors and patients. A second consequence is that MHC class I molecules of different taxonomic species are very different, for example, there is no true orthologue between the classical class I genes of humans and mice. Whereas once considered homogeneous, NK cells are now shown to have both clonal diversity arising from differential expression of NK cell receptors within an individual, and population diversity in haplotype content and gene polymorphism. Clinical consequences analogous to those for MHC class I are expected due to NK cell receptor diversity. In humans, NK cell receptors consist of both immunoglobulin-like molecules and lectin-like molecules, however, only the lectin-like receptors are functional homologues in mice. As with their MHC class I ligands, NK cell receptors have also undergone rapid evolution.

One goal of our research is to understand how the continual battle between vertebrates and viruses has driven the diversification and divergence of MHC class I molecules and NK cell receptors. In human, we examine the polymorphism of NK receptor genes in different populations which are shaped by different histories of pathogen encounters. We also examine the coevolution of MHC class I and NK receptor genes in two close cousins of human, the chimpanzee and the orangutan.

A second goal is to understand the molecular and biochemical interactions between NK cell receptors and their MHC class I ligands. We perform mutagenesis studies to fine map interactions between NK cell receptors and MHC class I molecules. We also examine essential residues that determine the expression or retention of NK cell receptor alleles.

A third goal is to understand how MHC class I and NK cell receptor differences influence the outcomes of clinical transplantation. We follow the recovery of NK cell populations in leukemia and lymphoma patients after bone-marrow transplants and correlate the reconstitution of NK cell with the donor's and patient's genotypes, therapies and clinical consequences.

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (PhD Program)
- Microbiology and Immunology (PhD Program)
- Structural Biology (PhD Program)

Publications

PUBLICATIONS

- **Following Transplantation for Acute Myelogenous Leukemia, Donor KIR Cen B02 Better Protects against Relapse than KIR Cen B01.** *Journal of immunology (Baltimore, Md. : 1950)*
  Guethlein, L. A., Beyzaie, N., Nemat-Gorgani, N., Wang, T., Ramesh, V., Marin, W. M., Hollenbach, J. A., Schetelig, J., Spellman, S. R., Marsh, S. G., Cooley, S., Weisdorf, D. J., Norman, et al
  2021
- **Meta-analysis of the CD56-negative NK cell subset indicates altered functional responses and unique KIR regulation**
  Cocker, A., Parham, P.
  AMER ASSOC IMMUNOLOGISTS.2021
- **Genetically Determined Strength of Natural Killer Cells is Enhanced by Adaptive Admixture of HLA class I Allotypes in East <a>Asians**
  Harrison, G. F., Deng, Z., Zhen, J., Zhang, G., Chen, R., Sun, G., Yu, Q., Nemat-Gorgani, N., Guethlein, L., He, L., Tang, M., Gao, X., Cai, et al
  AMER ASSOC IMMUNOLOGISTS.2021
- **Adaptive Admixture of HLA class I Allotypes Enhanced Genetically Determined Strength of Natural Killer Cells in East Asians.** *Molecular biology and evolution*
  Deng, Z., Zhen, J., Harrison, G. F., Zhang, G., Chen, R., Sun, G., Yu, Q., Nemat-Gorgani, N., Guethlein, L. A., He, L., Tang, M., Gao, X., Cai, 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
- **Abundant CpG-sequences in human genomes inhibit KIR3DL2-expressing NK cells.** *PeerJ*
  Pugh, J., Guethlein, L., Parham, P.
  2021; 9: e12258
- **In Memoriam: Peter Hartmann (1946-2020), publisher, colleague and friend.** *Traffic (Copenhagen, Denmark)*
  Brodsky, F. M., Parham, P. n.
  2020
- **Genetic diversity affects the nanoscale membrane organization and signaling of natural killer cell receptors.** *Science signaling*
  Kennedy, P. R., Barthen, C., Williamson, D. J., Pitkeathly, W. T., Hazime, K. S., Cumming, J., Stacey, K. B., Hilton, H. G., Carrington, M., Parham, P., Davis, D. M.

2019; 12 (612)

- **Diversity of Killer Cell Ig-Like Receptor, HLA Class I, and Their Interactions in Seven Populations of Sub-Saharan Africans.** *Journal of immunology (Baltimore, Md. : 1950)*
  Nemat-Gorgani, N., Guethlein, L. A., Henn, B. M., Norberg, S. J., Chiaroni, J., Sikora, M., Quintana-Murci, L., Mountain, J. L., Norman, P. J., Parham, P.
  2019
- **Papa-B (MHC) diversity of wild bonobos (Pan paniscus) east and west of the Lomami River suggest different patterns of immunity**
  Wroblewski, E. E., Anderson, A. G., Guethlein, L. A., Li, Y., Avitto, A. N., Bertolani, P., Hart, J. A., Hart, T. B., Hahn, B. H., Parham, P.
  WILEY.2019: 274
- **Genetics of Natural Killer Cells in Human Health, Disease, and Survival.** *Annual review of immunology*
  Parham, P., Guethlein, L. A.
  2018; 36: 519–48
- **Molecular definition of the transplantation antigens.** *The FEBS journal*
  Parham, P.
  2018
- **Different Selected Mechanisms Attenuated the Inhibitory Interaction of KIR2DL1 with C2(+) HLA-C in Two Indigenous Human Populations in Southern Africa** *JOURNAL OF IMMUNOLOGY*
  Nemat-Gorgani, N., Hilton, H. G., Henn, B. M., Lin, M., Gignoux, C. R., Myrick, J. W., Werely, C. J., Granka, J. M., Moeller, M., Hoa, E. G., Yawata, M., Yawata, N., Boelen, et al
  2018; 200 (8): 2640–55
- **Elevated HLA-A expression impairs HIV control through inhibition of NKG2A-expressing cells** *SCIENCE*
  Ramsuran, V., Naranbhai, V., Horowitz, A., Qi, Y., Martin, M. P., Yuki, Y., Gao, X., Walker-Sperling, V., Del Prete, G. Q., Schneider, D. K., Lifson, J. D., Fellay, J., Deeks, et al
  2018; 359 (6371): 86–90
- **Two alternate strategies for innate immunity to Epstein-Barr virus: One using NK cells and the other NK cells and ?d T cells.** *journal of experimental medicine*
  Djaoud, Z., Guethlein, L. A., Horowitz, A., Azzi, T., Nemat-Gorgani, N., Olive, D., Nadal, D., Norman, P. J., Münz, C., Parham, P.
  2017; 214 (6): 1827-1841
- **.** *Genome research*
  Norman, P. J., Norberg, S. J., Guethlein, L. A., Nemat-Gorgani, N., Royce, T., Wroblewski, E. E., Dunn, T., Mann, T., Alicata, C., Hollenbach, J. A., Chang, W., Shults Won, M., Gunderson, et al
  2017; 27 (5): 813-823
- **Bonobos Maintain Immune System Diversity with Three Functional Types of MHC-B** *JOURNAL OF IMMUNOLOGY*
  Wroblewski, E. E., Guethlein, L. A., Norman, P. J., Li, Y., Shaw, C. M., Han, A. S., Ndjango, J. N., Ahuka-Mundeke, S., Georgiev, A. V., Peeters, M., Hahn, B. H., Parham, P.
  2017; 198 (9): 3480-3493
- **Sequences of 95 human MHC haplotypes reveal extreme coding variation in genes other than highly polymorphic HLA class I and II** *GENOME RESEARCH*
  Norman, P. J., Norberg, S. J., Guethlein, L. A., Nemat-Gorgani, N., Royce, T., Wroblewski, E. E., Dunn, T., Mann, T., Alicata, C., Hollenbach, J. A., Chang, W., Won, M. S., Gunderson, et al
  2017; 27 (5): 813-823
- **Resurrecting KIR2DP1: A Key Intermediate in the Evolution of Human Inhibitory NK Cell Receptors That Recognize HLA-C.** *Journal of immunology*
  Hilton, H. G., Blokhuis, J. H., Guethlein, L. A., Norman, P. J., Parham, P.
  2017; 198 (5): 1961-1973
- **Class I HLA haplotypes form two schools that educate NK cells in different ways.** *Science immunology*
  Horowitz, A., Djaoud, Z., Nemat-Gorgani, N., Blokhuis, J., Hilton, H. G., Béziat, V., Malmberg, K., Norman, P. J., Guethlein, L. A., Parham, P.
  2016; 1 (3)

- **Co-evolution of MHC class I and variable NK cell receptors in placental mammals** *IMMUNOLOGICAL REVIEWS*
  Guethlein, L. A., Norman, P. J., Hilton, H. H., Parham, P.
  2015; 267 (1): 259-282
- **Loss and Gain of Natural Killer Cell Receptor Function in an African Hunter-Gatherer Population.** *PLoS genetics*
  Hilton, H. G., Norman, P. J., Nemat-Gorgani, N., Goyos, A., Hollenbach, J. A., Henn, B. M., Gignoux, C. R., Guethlein, L. A., Parham, P.
  2015; 11 (8)
- **Genetic and environmental determinants of human NK cell diversity revealed by mass cytometry.** *Science translational medicine*
  Horowitz, A., Strauss-Albee, D. M., Leipold, M., Kubo, J., Nemat-Gorgani, N., Dogan, O. C., Dekker, C. L., Mackey, S., Maecker, H., Swan, G. E., Davis, M. M., Norman, P. J., Guethlein, et al
  2013; 5 (208): 208ra145-?
- **Co-evolution of Human Leukocyte Antigen (HLA) Class I Ligands with Killer-Cell Immunoglobulin-Like Receptors (KIR) in a Genetically Diverse Population of Sub-Saharan Africans.** *PLoS genetics*
  Norman, P. J., Hollenbach, J. A., Nemat-Gorgani, N., Guethlein, L. A., Hilton, H. G., Pando, M. J., Koram, K. A., Riley, E. M., Abi-Rached, L., Parham, P.
  2013; 9 (10)
- **In Memoriam: Peter Hartmann (1946-2020), publisher, colleague and friend** *HLA*
  Brodsky, F. M., Parham, P.
  2020; 96 (6): 665–66
- **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
- **Dimorphism in the TCRgamma-chain repertoire defines 2 types of human immunity to Epstein-Barr virus.** *Blood advances*
  Djaoud, Z., Parham, P.
  2020; 4 (7): 1198–1205
- **Distinctive phenotypes and functions of innate lymphoid cells in human decidua during early pregnancy.** *Nature communications*
  Huhn, O., Ivarsson, M. A., Gardner, L., Hollinshead, M., Stinchcombe, J. C., Chen, P., Shreeve, N., Chazara, O., Farrell, L. E., Theorell, J., Ghadially, H., Parham, P., Griffiths, et al
  2020; 11 (1): 381
- **KIR B donors improve the outcome for AML patients given reduced intensity conditioning and unrelated donor transplantation.** *Blood advances*
  Weisdorf, D. n., Cooley, S. n., Wang, T. n., Trachtenberg, E. n., Vierra-Green, C. n., Spellman, S. n., Sees, J. A., Spahn, A. n., Vogel, J. n., Fehniger, T. A., Woolfrey, A. E., Devine, S. M., Ross, et al
  2020; 4 (4): 740–54
- **KIR Variation in Iranians Combines High Haplotype and Allotype Diversity With an Abundance of Functional Inhibitory Receptors.** *Frontiers in immunology*
  Alicata, C., Ashouri, E., Nemat-Gorgani, N., Guethlein, L. A., Marin, W. M., Tao, S., Moretta, L., Hollenbach, J. A., Trowsdale, J., Traherne, J. A., Ghaderi, A., Parham, P., Norman, et al
  2020; 11: 556
- **HLAs, TCRs, and KIRs, a Triumvirate of Human Cell-Mediated Immunity** *ANNUAL REVIEW OF BIOCHEMISTRY, VOL 89*
  Djaoud, Z., Parham, P.
  edited by Kornberg, R. D.
  2020; 89: 717–39
- **HLAs, TCRs, and KIRs, a Triumvirate of Human Cell-Mediated Immunity.** *Annual review of biochemistry*
  Djaoud, Z. n., Parham, P. n.
  2020; 89: 717–39
- **In vitro education of human natural killer cells by KIR3DL1.** *Life science alliance*
  Pugh, J., Nemat-Gorgani, N., Djaoud, Z., Guethlein, L. A., Norman, P. J., Parham, P.

2019; 2 (6)

- **Nomenclature report 2019: major histocompatibility complex genes and alleles of Great and Small Ape and Old and New World monkey species.** *Immunogenetics*
  de Groot, N. G., Otting, N., Maccari, G., Robinson, J., Hammond, J. A., Blancher, A., Lafont, B. A., Guethlein, L. A., Wroblewski, E. E., Marsh, S. G., Shiina, T., Walter, L., Vigilant, et al
  2019
- **KIR3DL1/S1 Allotypes Contribute Differentially to the Development of Behcet Disease.** *Journal of immunology (Baltimore, Md. : 1950)*
  Petrushkin, H., Norman, P. J., Lougee, E., Parham, P., Wallace, G. R., Stanford, M. R., Fortune, F.
  2019
- **Diversity of KIR, HLA Class I, and Their Interactions in Seven Populations of Sub-Saharan Africans** *JOURNAL OF IMMUNOLOGY*
  Nemat-Gorgani, N., Guethlein, L. A., Henn, B. M., Norberg, S. J., Chiaroni, J., Sikora, M., Quintana-Murci, L., Mountain, J. L., Norman, P. J., Parham, P.
  2019; 202 (9): 2636–47
- **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
- **CONSERVATION, EXTENSIVE HETEROZYGOSITY, AND CONVERGENCE OF SIGNALING POTENTIAL ALL INDICATE A CRITICAL ROLE FOR KIR3DL3 IN HIGHER PRIMATES**
  Leaton, L., Shortt, J., Kichula, K. M., Tao, S., Nemat-Gorgani, N., Mentzer, A., Oppenheimer, S. J., Deng, Z., Hollenbach, J. A., Gignoux, C. R., Guethlein, L. A., Parham, P., Carrington, et al
  WILEY.2019: 391
- **Donor Killer Cell Immunoglobulin-Like Receptor Genotype Does Not Improve Graft-versus-Leukemia Responses in Chronic Lymphocytic Leukemia after Unrelated Donor Transplant: A Center for International Blood and Marrow Transplant Research Analysis** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Bachanova, V., Weisdorf, D. J., Wang, T., Marsh, S. G. E., Cereb, N., Haagenson, M. D., Spellman, S. R., Lee, S. J., Guethlein, L. A., Parham, P., Miller, J. S., Cooley, S. A.
  2019; 25 (5): 949–54
- **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
- **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
- **Two to Tango: Co-evolution of Hominid Natural Killer Cell Receptors and MHC** *FRONTIERS IN IMMUNOLOGY*
  Wroblewski, E. E., Parham, P., Guethlein, L. A.
  2019; 10
- **Two to Tango: Co-evolution of Hominid Natural Killer Cell Receptors and MHC.** *Frontiers in immunology*
  Wroblewski, E. E., Parham, P., Guethlein, L. A.
  2019; 10: 177

- **Casting a wider net: Immunosurveillance by nonclassical MHC molecules** *PLOS PATHOGENS*
  D'Souza, M., Adams, E., Altman, J. D., Birnbaum, M. E., Boggiano, C., Casorati, G., Chien, Y., Conley, A., Eckle, S., Fruh, K., Gondre-Lewis, T., Hassan, N., Huang, et al
  2019; 15 (2)

- **Casting a wider net: Immunosurveillance by nonclassical MHC molecules.** *PLoS pathogens*
  D'Souza, M. P., Adams, E., Altman, J. D., Birnbaum, M. E., Boggiano, C., Casorati, G., Chien, Y., Conley, A., Eckle, S. B., Fruh, K., Gondre-Lewis, T., Hassan, N., Huang, et al
  2019; 15 (2): e1007567

- **Conservation, Extensive Heterozygosity, and Convergence of Signaling Potential All Indicate a Critical Role for KIR3DL3 in Higher Primates** *FRONTIERS IN IMMUNOLOGY*
  Leaton, L. A., Shortt, J., Kichula, K. M., Tao, S., Nemat-Gorgani, N., Mentzer, A. J., Oppenheimer, S. J., Deng, Z., Hollenbach, J. A., Gignoux, C. R., Guethlein, L. A., Parham, P., Carrington, et al
  2019; 10

- **Conservation, Extensive Heterozygosity, and Convergence of Signaling Potential All Indicate a Critical Role for KIR3DL3 in Higher Primates.** *Frontiers in immunology*
  Leaton, L. A., Shortt, J., Kichula, K. M., Tao, S., Nemat-Gorgani, N., Mentzer, A. J., Oppenheimer, S. J., Deng, Z., Hollenbach, J. A., Gignoux, C. R., Guethlein, L. A., Parham, P., Carrington, et al
  2019; 10: 24

- **Nomenclature report for killer-cell immunoglobulin-like receptors (KIR) in macaque species: new genes/alleles, renaming recombinant entities and IPD-NHKIR updates.** *Immunogenetics*
  Bruijnesteijn, J. n., de Groot, N. G., Otting, N. n., Maccari, G. n., Guethlein, L. A., Robinson, J. n., Marsh, S. G., Walter, L. n., O'Connor, D. H., Hammond, J. A., Parham, P. n., Bontrop, R. E.
  2019

- **Genetic diversity of CHC22 clathrin impacts its function in glucose metabolism.** *eLife*
  Fumagalli, M. n., Camus, S. M., Diekmann, Y. n., Burke, A. n., Camus, M. D., Norman, P. J., Joseph, A. n., Abi-Rached, L. n., Benazzo, A. n., Rasteiro, R. n., Mathieson, I. n., Topf, M. n., Parham, et al
  2019; 8

- **KIR Donor Selection: Feasibility in Identifying better Donors.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*
  Weisdorf, D. n., Cooley, S. n., Wang, T. n., Trachtenberg, E. n., Haagenson, M. D., Vierra-Green, C. n., Spellman, S. n., Spahn, A. n., Vogel, J. n., Kobusingye, H. n., Fehninger, T. n., Woolfrey, A. n., Devine, et al
  2019; 25 (1): e28–e32

- **A natural killer cell receptor takes sharp aim at the world of bacteria.** *Proceedings of the National Academy of Sciences of the United States of America*
  Parham, P. n.
  2019

- **Genetic diversity of CHC22 clathrin impacts its function in glucose metabolism.** *eLife*
  Fumagalli, M. n., Camus, S. M., Diekmann, Y. n., Burke, A. n., Camus, M. D., Norman, P. J., Joseph, A. n., Abi-Rached, L. n., Benazzo, A. n., Rasteiro, R. n., Mathieson, I. n., Topf, M. n., Parham, et al
  2019; 8

- **Donor killer-cell immunoglobulin-like receptor (KIR) genotype does not improve graft-versus-leukemia responses in chronic lymphocytic leukemia (CLL) after unrelated donor transplant: a CIBMTR analysis.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*
  Bachanova, V., Weisdorf, D. J., Wang, T., Marsh, S. G., Cereb, N., Haagenson, M. D., Spellman, S. R., Lee, S. J., Guethlein, L. A., Parham, P., Miller, J. S., Cooley, S. A.
  2018

- **HLA-B57 micropolymorphism defines the sequence and conformational breadth of the immunopeptidome.** *Nature communications*
  Illing, P. T., Pymm, P., Croft, N. P., Hilton, H. G., Jojic, V., Han, A. S., Mendoza, J. L., Mifsud, N. A., Dudek, N. L., McCluskey, J., Parham, P., Rossjohn, J., Vivian, et al
  2018; 9 (1): 4693

- **HLA-B57 micropolymorphism defines the sequence and conformational breadth of the immunopeptidome** *NATURE COMMUNICATIONS*
  Illing, P. T., Pymm, P., Croft, N. P., Hilton, H. G., Jojic, V., Han, A. S., Mendoza, J. L., Mifsud, N. A., Dudek, N. L., McCluskey, J., Parham, P., Rossjohn, J., Vivian, et al
  2018; 9

- **High-Resolution Genetic and Phenotypic Analysis of KIR2DL1 Alleles and Their Association with Pre-Eclampsia** *JOURNAL OF IMMUNOLOGY*
  Huhn, O., Chazara, O., Ivarsson, M. A., Retiere, C., Venkatesan, T. C., Norman, P. J., Hilton, H. G., Jayaraman, J., Traherne, J. A., Trowsdale, J., Ito, M., Kling, C., Parham, et al
  2018; 201 (9): 2593–2601

- **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

- **Nomenclature for the KIR of non-human species** *IMMUNOGENETICS*
  Robinson, J., Guethlein, L. A., Maccari, G., Blokhuis, J., Bimber, B. N., de Groot, N. G., Sanderson, N. D., Abi-Rached, L., Walter, L., Bontrop, R. E., Hammond, J. A., Marsh, S. G. E., Parham, et al
  2018; 70 (9): 571–83

- **Characterization of MHC-DRB immuno-genetic diversity in the wild chimpanzees (Pan troglodytes schweinfurthii) of Gombe National Park, Tanzania**
  Wroblewski, E. E., Phillips-Garcia, S., Guethlein, L., Parham, P.
  WILEY.2018: 306

- **Ecoimmunology of wild chimpanzees (Pan troglodytes schweinfurthii): Does MHC genotype or phenotype predict occurrence of respiratory infection?**
  Phillips-Garcia, S., Thompson, M., Muller, M. N., Machanda, Z. P., Scully, E., Otali, E., Goldberg, T. L., Wrangham, R. W., Parham, P., Wroblewski, E.
  WILEY.2018: 207

- **Strategies to activate NK cells to prevent relapse and induce remission following hematopoietic stem cell transplantation** *BLOOD*
  Cooley, S., Parham, P., Miller, J. S.
  2018; 131 (10): 1053–62

- **Human NK Cells Downregulate Zap70 and Syk in Response to Prolonged Activation or DNA Damage** *JOURNAL OF IMMUNOLOGY*
  Pugh, J. L., Nemat-Gorgani, N., Norman, P. J., Guethlein, L. A., Parham, P.
  2018; 200 (3): 1146–58

- **Missing or altered self: human NK cell receptors that recognize HLA-C** *IMMUNOGENETICS*
  Hilton, H. G., Parham, P.
  2017; 69 (8-9): 567–79

- **Distinguishing functional polymorphism from random variation in the sequences of >10,000 HLA-A, -B and -C alleles.** *PLoS genetics*
  Robinson, J., Guethlein, L. A., Cereb, N., Yang, S. Y., Norman, P. J., Marsh, S. G., Parham, P.
  2017; 13 (6): e1006862

- **The Intergenic Recombinant HLA-B*46:01 Has a Distinctive Peptidome that Includes KIR2DL3 Ligands.** *Cell reports*
  Hilton, H. G., McMurtrey, C. P., Han, A. S., Djaoud, Z., Guethlein, L. A., Blokhuis, J. H., Pugh, J. L., Goyos, A., Horowitz, A., Buchli, R., Jackson, K. W., Bardet, W., Bushnell, et al
  2017; 19 (7): 1394-1405

- **Two Orangutan Species Have Evolved Different KIR Alleles and Haplotypes** *JOURNAL OF IMMUNOLOGY*
  Guethlein, L. A., Norman, P. J., Heijmans, C. M., de Groot, N. G., Hilton, H. G., Babrzadeh, F., Abi-Rached, L., Bontrop, R. E., Parham, P.
  2017; 198 (8): 3157-3169

- **Alleles and Haplotypes.** *Journal of immunology*
  Guethlein, L. A., Norman, P. J., Heijmans, C. M., de Groot, N. G., Hilton, H. G., Babrzadeh, F., Abi-Rached, L., Bontrop, R. E., Parham, P.
  2017

- **KIR2DS5 allotypes that recognize the C2 epitope of HLA-C are common among Africans and absent from Europeans.** *Immunity, inflammation and disease*
  Blokhuis, J. H., Hilton, H. G., Guethlein, L. A., Norman, P. J., Nemat-Gorgani, N. n., Nakimuli, A. n., Chazara, O. n., Moffett, A. n., Parham, P. n.
  2017
- **Reproduction, infection and killer-cell immunoglobulin-like receptor haplotype evolution** *IMMUNOGENETICS*
  Penman, B. S., Moffett, A., Chazara, O., Gupta, S., Parham, P.
  2016; 68 (10): 755-764
- **How the codfish changed its immune system.** *Nature genetics*
  Parham, P.
  2016; 48 (10): 1103-4
- **Donor KIR B Genotype Improves Progression-Free Survival of Non-Hodgkin Lymphoma Patients Receiving Unrelated Donor Transplantation.** *Biology of blood and marrow transplantation*
  Bachanova, V., Weisdorf, D. J., Wang, T., Marsh, S. G., Trachtenberg, E., Haagenson, M. D., Spellman, S. R., Ladner, M., Guethlein, L. A., Parham, P., Miller, J. S., Cooley, S. A.
  2016; 22 (9): 1602-1607
- **HLA class I variation in Iranian Lur and Kurd populations: high haplotype and allotype diversity with an abundance of KIR ligands.** *HLA*
  Ashouri, E., Norman, P. J., Guethlein, L. A., Han, A. S., Nemat-Gorgani, N., Norberg, S. J., Ghaderi, A., Parham, P.
  2016; 88 (3): 87-99
- **Clathrin light chains' role in selective endocytosis influences antibody isotype switching.** *Proceedings of the National Academy of Sciences of the United States of America*
  Wu, S., Majeed, S. R., Evans, T. M., Camus, M. D., Wong, N. M., Schollmeier, Y., Park, M., Muppidi, J. R., Reboldi, A., Parham, P., Cyster, J. G., Brodsky, F. M.
  2016; 113 (35): 9816-9821
- **Defining KIR and HLA Class I Genotypes at Highest Resolution via High-Throughput Sequencing.** *American journal of human genetics*
  Norman, P. J., Hollenbach, J. A., Nemat-Gorgani, N., Marin, W. M., Norberg, S. J., Ashouri, E., Jayaraman, J., Wroblewski, E. E., Trowsdale, J., Rajalingam, R., Oksenberg, J. R., Chiaroni, J., Guethlein, et al
  2016; 99 (2): 375-391
- **Hematopoietic stem cell transplantation: Improving alloreactive Bw4 donor selection by genotyping codon 86 of KIR3DL1/S1.** *European journal of immunology*
  Alicata, C., Pende, D., Meazza, R., Canevali, P., Loiacono, F., Bertaina, A., Locatelli, F., Nemat-Gorgani, N., Guethlein, L. A., Parham, P., Moretta, L., Moretta, A., Bottino, et al
  2016; 46 (6): 1511-1517
- **Description of the novel KIR2DL4*035 allele identified using high-throughput sequencing.** *HLA : immune response genetics*
  Alicata, C., Bottino, C., Guethlein, L. A., Parham, P., Norman, P. J.
  2016; 87 (3): 191-193
- **Complex MHC Class I Gene Transcription Profiles and Their Functional Impact in Orangutans** *JOURNAL OF IMMUNOLOGY*
  De Groot, N. G., Heijmans, C. M., van der Wiel, M. K., Blokhuis, J. H., Mulder, A., Guethlein, L. A., Doxiadis, G. G., Claas, F. H., Parham, P., Bontrop, R. E.
  2016; 196 (2): 750-758
- **Complex MHC Class I Gene Transcription Profiles and Their Functional Impact in Orangutans.** *Journal of immunology (Baltimore, Md. : 1950)*
  de Groot, N. G., Heijmans, C. M., van der Wiel, M. K., Blokhuis, J. H., Mulder, A., Guethlein, L. A., Doxiadis, G. G., Claas, F. H., Parham, P., Bontrop, R. E.
  2016; 196 (2): 750-8
- **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
- **Regulation of Adaptive NK Cells and CD8 T Cells by HLA-C Correlates with Allogeneic Hematopoietic Cell Transplantation and with Cytomegalovirus Reactivation** *JOURNAL OF IMMUNOLOGY*

Horowitz, A., Guethlein, L. A., Nemat-Gorgani, N., Norman, P. J., Cooley, S., Miller, J. S., Parham, P.
2015; 195 (9): 4524-4536

- **A Distinctive Cytoplasmic Tail Contributes to Low Surface Expression and Intracellular Retention of the Patr-AL MHC Class I Molecule.** *Journal of immunology*
  Goyos, A., Guethlein, L. A., Horowitz, A., Hilton, H. G., Gleimer, M., Brodsky, F. M., Parham, P.
  2015; 195 (8): 3725-3736

- **The production of KIR-Fc fusion proteins and their use in a multiplex HLA class I binding assay.** *Journal of immunological methods*
  Hilton, H. G., Moesta, A. K., Guethlein, L. A., Blokhuis, J., Parham, P., Norman, P. J.
  2015; 425: 79-87

- **Chimpanzee susceptibility to hepatitis C virus infection correlates with presence of Pt-KIR3DS2 and Pt-KIR2DL9: paired activating and inhibitory natural killer cell receptors.** *Immunogenetics*
  Abi-Rached, L., Guethlein, L. A., Norman, P. J., Parham, P.
  2015; 67 (10): 625-628

- **Polymorphic HLA-C Receptors Balance the Functional Characteristics of KIR Haplotypes.** *Journal of immunology*
  Hilton, H. G., Guethlein, L. A., Goyos, A., Nemat-Gorgani, N., Bushnell, D. A., Norman, P. J., Parham, P.
  2015; 195 (7): 3160-3170

- **Adaptive Natural Killer Cell and Killer Cell Immunoglobulin-Like Receptor-Expressing T Cell Responses are Induced by Cytomegalovirus and Are Associated with Protection against Cytomegalovirus Reactivation after Allogeneic Donor Hematopoietic Cell Transplantation** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Davis, Z. B., Cooley, S. A., Cichocki, F., Felices, M., Wangen, R., Luo, X., Defor, T. E., Bryceson, Y. T., Diamond, D. J., Brunstein, C., Blazar, B. R., Wagner, J. E., Weisdorf, et al
  2015; 21 (9): 1653-1662

- **Co-evolution of lymphocyte receptors with MHC class I.** *Immunological reviews*
  Parham, P.
  2015; 267 (1): 1-5

- **Very long haplotype tracts characterized at high resolution from HLA homozygous cell lines** *IMMUNOGENETICS*
  Norman, P. J., Norberg, S. J., Nemat-Gorgani, N., Royce, T., Hollenbach, J. A., Won, M. S., Guethlein, L. A., Gunderson, K. L., Ronaghi, M., Parham, P.
  2015; 67 (9): 479-485

- **Co-evolution of MHC class I and variable NK cell receptors in placental mammals.** *Immunological reviews*
  Guethlein, L. A., Norman, P. J., Hilton, H. H., Parham, P.
  2015; 267 (1): 259-282

- **Very long haplotype tracts characterized at high resolution from HLA homozygous cell lines.** *Immunogenetics*
  Norman, P. J., Norberg, S. J., Nemat-Gorgani, N., Royce, T., Hollenbach, J. A., Shults Won, M., Guethlein, L. A., Gunderson, K. L., Ronaghi, M., Parham, P.
  2015; 67 (9): 479-485

- **Genomic evidence for the Pleistocene and recent population history of Native Americans** *SCIENCE*
  Raghavan, M., Steinruecken, M., Harris, K., Schiffels, S., Rasmussen, S., DeGiorgio, M., Albrechtsen, A., Valdiosera, C., Avila-Arcos, M. C., Malaspinas, A., Eriksson, A., Moltke, I., Metspalu, et al
  2015; 349 (6250)

- **POPULATION GENETICS. Genomic evidence for the Pleistocene and recent population history of Native Americans.** *Science (New York, N.Y.)*
  Raghavan, M., Steinrücken, M., Harris, K., Schiffels, S., Rasmussen, S., DeGiorgio, M., Albrechtsen, A., Valdiosera, C., Ávila-Arcos, M. C., Malaspinas, A. S., Eriksson, A., Moltke, I., Metspalu, et al
  2015; 349 (6250): aab3884

- **Race, Ethnicity and Ancestry in Unrelated Transplant Matching for the National Marrow Donor Program: A Comparison of Multiple Forms of Self-Identification with Genetics** *PLOS ONE*
  Hollenbach, J. A., Saperstein, A., Albrecht, M., Vierra-Green, C., Parham, P., Norman, P. J., Maiers, M.
  2015; 10 (8)

- **Loss and Gain of Natural Killer Cell Receptor Function in an African Hunter-Gatherer Population.** *PLoS genetics*
  Hilton, H. G., Norman, P. J., Nemat-Gorgani, N., Goyos, A., Hollenbach, J. A., Henn, B. M., Gignoux, C. R., Guethlein, L. A., Parham, P.
  2015; 11 (8): e1005439

- **Adaptive Natural Killer Cell and Killer Cell Immunoglobulin-Like Receptor-Expressing T Cell Responses are Induced by Cytomegalovirus and Are Associated with Protection against Cytomegalovirus Reactivation after Allogeneic Donor Hematopoietic Cell Transplantation.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation*
  Davis, Z. B., Cooley, S. A., Cichocki, F., Felices, M., Wangen, R., Luo, X., DeFor, T. E., Bryceson, Y. T., Diamond, D. J., Brunstein, C., Blazar, B. R., Wagner, J. E., Weisdorf, et al
  2015

- **Signature Patterns of MHC Diversity in Three Gombe Communities of Wild Chimpanzees Reflect Fitness in Reproduction and Immune Defense against SIVcpz.** *PLoS biology*
  Wroblewski, E. E., Norman, P. J., Guethlein, L. A., Rudicell, R. S., Ramirez, M. A., Li, Y., Hahn, B. H., Pusey, A. E., Parham, P.
  2015; 13 (5)

- **Signature Patterns of MHC Diversity in Three Gombe Communities of Wild Chimpanzees Reflect Fitness in Reproduction and Immune Defense against SIVcpz** *PLOS BIOLOGY*
  Wroblewski, E. E., Norman, P. J., Guethlein, L. A., Rudicell, R. S., Ramirez, M. A., Li, Y., Hahn, B. H., Pusey, A. E., Parham, P.
  2015; 13 (5)

- **The IPD and IMGT/HLA database: allele variant databases** *NUCLEIC ACIDS RESEARCH*
  Robinson, J., Halliwell, J. A., Hayhurst, J. D., Flicek, P., Parham, P., Marsh, S. G.
  2015; 43 (D1): D423-D431

- **A KIR B centromeric region present in Africans but not Europeans protects pregnant women from pre-eclampsia.** *Proceedings of the National Academy of Sciences of the United States of America*
  Nakimuli, A., Chazara, O., Hiby, S. E., Farrell, L., Tukwasibwe, S., Jayaraman, J., Traherne, J. A., Trowsdale, J., Colucci, F., Lougee, E., Vaughan, R. W., Elliott, A. M., Byamugisha, et al
  2015; 112 (3): 845-850

- **Race, Ethnicity and Ancestry in Unrelated Transplant Matching for the National Marrow Donor Program: A Comparison of Multiple Forms of Self-Identification with Genetics.** *PloS one*
  Hollenbach, J. A., Saperstein, A., Albrecht, M., Vierra-Green, C., Parham, P., Norman, P. J., Maiers, M.
  2015; 10 (8)

- **The IPD and IMGT/HLA database: allele variant databases.** *Nucleic acids research*
  Robinson, J., Halliwell, J. A., Hayhurst, J. D., Flicek, P., Parham, P., Marsh, S. G.
  2015; 43 (Database issue): D423-31

- **Definition of the Cattle Killer Cell Ig-like Receptor Gene Family: Comparison with Aurochs and Human Counterparts** *JOURNAL OF IMMUNOLOGY*
  Sanderson, N. D., Norman, P. J., Guethlein, L. A., Ellis, S. A., Williams, C., Breen, M., Park, S. D., Magee, D. A., Babrzadeh, F., Warry, A., Watson, M., Bradley, D. G., MacHugh, et al
  2014; 193 (12): 6016-6030

- **Coordinated Regulation of NK Receptor Expression in the Maturing Human Immune System** *JOURNAL OF IMMUNOLOGY*
  Strauss-Albee, D. M., Horowitz, A., Parham, P., Blish, C. A.
  2014; 193 (10): 4871-4879

- **Coordinated regulation of NK receptor expression in the maturing human immune system.** *Journal of immunology*
  Strauss-Albee, D. M., Horowitz, A., Parham, P., Blish, C. A.
  2014; 193 (10): 4871-4879

- **KIR diversity in MAori and Polynesians: populations in which HLA-B is not a significant KIR ligand** *IMMUNOGENETICS*
  Nemat-Gorgani, N., Edinur, H. A., Hollenbach, J. A., Traherne, J. A., Dunn, P. P., Chambers, G. K., Parham, P., Norman, P. J.
  2014; 66 (11): 597-611

- **KIR diversity in Maori and Polynesians: populations in which HLA-B is not a significant KIR ligand.** *Immunogenetics*
  Nemat-Gorgani, N., Edinur, H. A., Hollenbach, J. A., Traherne, J. A., Dunn, P. P., Chambers, G. K., Parham, P., Norman, P. J.
  2014; 66 (11): 597-611

- **High diversity of MIC genes in non-human primates** *IMMUNOGENETICS*
  Meyer, A., Carapito, R., Ott, L., Radosavljevic, M., Georgel, P., Adams, E. J., Parham, P., Bontrop, R. E., Blancher, A., Bahram, S.
  2014; 66 (9-10): 581-587

- **Donor Killer Cell Ig-like Receptor B Haplotypes, Recipient HLA-C1, and HLA-C Mismatch Enhance the Clinical Benefit of Unrelated Transplantation for Acute Myelogenous Leukemia** *JOURNAL OF IMMUNOLOGY*
  Cooley, S., Weisdorf, D. J., Guethlein, L. A., Klein, J. P., Wang, T., Marsh, S. G., Spellman, S., Haagenson, M. D., Saeturn, K., Ladner, M., Trachtenberg, E., Parham, P., Miller, et al
  2014; 192 (10): 4592-4600

- **Exome capture from saliva produces high quality genomic and metagenomic data.** *BMC genomics*
  Kidd, J. M., Sharpton, T. J., Bobo, D., Norman, P. J., Martin, A. R., Carpenter, M. L., Sikora, M., Gignoux, C. R., Nemat-Gorgani, N., Adams, A., Guadalupe, M., Guo, X., Feng, et al
  2014; 15 (1): 262-?

- **Exome capture from saliva produces high quality genomic and metagenomic data.** *BMC genomics*
  Kidd, J. M., Sharpton, T. J., Bobo, D., Norman, P. J., Martin, A. R., Carpenter, M. L., Sikora, M., Gignoux, C. R., Nemat-Gorgani, N., Adams, A., Guadalupe, M., Guo, X., Feng, et al
  2014; 15: 262-?

- **Reconstructing the population genetic history of the Caribbean.** *PLoS genetics*
  Moreno-Estrada, A., Gravel, S., Zakharia, F., McCauley, J. L., Byrnes, J. K., Gignoux, C. R., Ortiz-Tello, P. A., Martínez, R. J., Hedges, D. J., Morris, R. W., Eng, C., Sandoval, K., Acevedo-Acevedo, et al
  2013; 9 (11): e1003925

- **Reconstructing the population genetic history of the Caribbean.** *PLoS genetics*
  Moreno-Estrada, A., Gravel, S., Zakharia, F., McCauley, J. L., Byrnes, J. K., Gignoux, C. R., Ortiz-Tello, P. A., Martínez, R. J., Hedges, D. J., Morris, R. W., Eng, C., Sandoval, K., Acevedo-Acevedo, et al
  2013; 9 (11)

- **Genetic and environmental determinants of human NK cell diversity revealed by mass cytometry.** *Science translational medicine*
  Horowitz, A., Strauss-Albee, D. M., Leipold, M., Kubo, J., Nemat-Gorgani, N., Dogan, O. C., Dekker, C. L., Mackey, S., Maecker, H., Swan, G. E., Davis, M. M., Norman, P. J., Guethlein, et al
  2013; 5 (208): 208ra145-?

- **Computational Analyses of an Evolutionary Arms Race between Mammalian Immunity Mediated by Immunoglobulin A and Its Subversion by Bacterial Pathogens** *PLOS ONE*
  Pinheiro, A., Woof, J. M., Abi-Rached, L., Parham, P., Esteves, P. J.
  2013; 8 (9)

- **DIFFERENTIAL TRANSCRIPTION PATTERNS FOR MHC CLASS I GENES IN ORANGUTANS: NEGLIGLIBLE TRANSCRIPTION OF C AND B-LOCUS/LINEAGE IN PERIPHERAL BLOOD DERIVED CELL LINES** *27th Annual EFI European Immunogenetics and Histocompatibility Conference*
  de Groot, N., Heijmans, C. M., van der Wiel, M. K., Blokhuis, J. H., Guethlein, L. A., Doxiadis, G. G., Parham, P., Bontrop, R. E.
  WILEY-BLACKWELL.2013: 300–300

- **Direct binding to antigen-coated beads refines the specificity and cross-reactivity of four monoclonal antibodies that recognize polymorphic epitopes of HLA class I molecules** *TISSUE ANTIGENS*
  HILTON, H. G., Parham, P.
  2013; 81 (4): 212-220

- **Variable NK cell receptors and their MHC class I ligands in immunity, reproduction and human evolution** *NATURE REVIEWS IMMUNOLOGY*
  Parham, P., Moffett, A.
  2013; 13 (2): 133-144

- **16(th) IHIW: Review of HLA typing by NGS** *INTERNATIONAL JOURNAL OF IMMUNOGENETICS*
  De Santis, D., Dinauer, D., Duke, J., Erlich, H. A., HOLCOMB, C. L., Lind, C., Mackiewicz, K., Monos, D., Moudgil, A., Norman, P., Parham, P., Sasson, A., Allcock, et al
  2013; 40 (1): 72-76

- **The IMGT/HLA database.** *Nucleic acids research*

Robinson, J., Halliwell, J. A., McWilliam, H., Lopez, R., Parham, P., Marsh, S. G.
2013; 41 (Database issue): D1222-7

- **The IMGT/HLA database** *NUCLEIC ACIDS RESEARCH*
  Robinson, J., Halliwell, J. A., McWilliam, H., Lopez, R., Parham, P., Marsh, S. G.
  2013; 41 (D1): D1222-D1227
- **Natural selection on marine carnivores elaborated a diverse family of classical MHC class I genes exhibiting haplotypic gene content variation and allelic polymorphism** *IMMUNOGENETICS*
  Hammond, J. A., Guethlein, L. A., Norman, P. J., Parham, P.
  2012; 64 (12): 915-933
- **Mutation at positively selected positions in the binding site for HLA-C shows that KIR2DL1 is a more refined but less adaptable NK cell receptor than KIR2DL3.** *Journal of immunology*
  Hilton, H. G., Vago, L., Older Aguilar, A. M., Moesta, A. K., Graef, T., Abi-Rached, L., Norman, P. J., Guethlein, L. A., Fleischhauer, K., Parham, P.
  2012; 189 (3): 1418-1430
- **Mutation at Positively Selected Positions in the Binding Site for HLA-C Shows That KIR2DL1 Is a More Refined but Less Adaptable NK Cell Receptor Than KIR2DL3** *JOURNAL OF IMMUNOLOGY*
  Hilton, H. G., Vago, L., Aguilar, A. M., Moesta, A. K., Graef, T., Abi-Rached, L., Norman, P. J., Guethlein, L. A., Fleischhauer, K., Parham, P.
  2012; 189 (3): 1418-1430
- **TOWARDS THE NEXT GENERATION OF GENETIC STUDIES AND DIAGNOSTICS FOR HLA** *Joint 16th International HLA and Immunogenetics Workshop/26th European Federation for Immunogenetics Conference/23rd British-Society-of-Histocompatibility-and-Immunogenetics Conference*
  Norman, P. J., Norberg, S., Royce, T., Won, M., Dunn, T., Mann, T., Nemat-Gorgani, N., Guethlein, L. A., Abi-Rached, L., Tian, L., Gunderson, K. L., Ronaghi, M., Parham, et al
  WILEY-BLACKWELL.2012: 412–12
- **Human-specific evolution of killer cell immunoglobulin-like receptor recognition of major histocompatibility complex class I molecules** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
  Parham, P., Norman, P. J., Abi-Rached, L., Guethlein, L. A.
  2012; 367 (1590): 800-811
- **Significant Association of KIR2DL3-HLA-C1 Combination with Cerebral Malaria and Implications for Co-evolution of KIR and HLA** *PLOS PATHOGENS*
  Hirayasu, K., Ohashi, J., Kashiwase, K., Hananantachai, H., Naka, I., Ogawa, A., Takanashi, M., Satake, M., Nakajima, K., Parham, P., Arase, H., Tokunaga, K., Patarapotikul, et al
  2012; 8 (3)
- **Review: Immunogenetics of human placentation** *PLACENTA*
  Parham, P., Norman, P. J., Abi-Rached, L., HILTON, H. G., Guethlein, L. A.
  2012; 33: S71-S80
- **NK Cells-From Bench to Clinic** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Murphy, W. J., Parham, P., Miller, J. S.
  2012; 18 (1): S2-S7
- **Diverse functionality among human NK cell receptors for the CI epitope of HLA-C: KIR2DS2, KIR2DL2, and KIR2DL3** *FRONTIERS IN IMMUNOLOGY*
  Moesta, A. K., Parham, P.
  2012; 3
- **Diverse functionality among human NK cell receptors for the C1 epitope of HLA-C: KIR2DS2, KIR2DL2, and KIR2DL3.** *Frontiers in immunology*
  Moesta, A. K., Parham, P.
  2012; 3: 336-?
- **The Shaping of Modern Human Immune Systems by Multiregional Admixture with Archaic Humans** *SCIENCE*
  Abi-Rached, L., Jobin, M. J., Kulkarni, S., McWhinnie, A., Dalva, K., Gragert, L., Babrzadeh, F., Gharizadeh, B., Luo, M., Plummer, F. A., Kimani, J., Carrington, M., Middleton, et al
  2011; 334 (6052): 89-94

- **Rhesus macaque KIR bind human MHC class I with broad specificity and recognize HLA-C more effectively than HLA-A and HLA-B** *IMMUNOGENETICS*
  Aguilar, A. M., Guethlein, L. A., Hermes, M., Walter, L., Parham, P.
  2011; 63 (9): 577-585

- **Natural variation at position 45 in the D1 domain of lineage III killer cell immunoglobulin-like receptors (KIR) has major effects on the avidity and specificity for MHC class I.** *Immunogenetics*
  Older Aguilar, A. M., Guethlein, L. A., Abi-Rached, L., Parham, P.
  2011; 63 (8): 543-547

- **Natural variation at position 45 in the D1 domain of lineage III killer cell immunoglobulin-like receptors (KIR) has major effects on the avidity and specificity for MHC class I** *IMMUNOGENETICS*
  Aguilar, A. M., Guethlein, L. A., Abi-Rached, L., Parham, P.
  2011; 63 (8): 543-547

- **Variable NK Cell Receptors Exemplified by Human KIR3DL1/S1** *JOURNAL OF IMMUNOLOGY*
  Parham, P., Norman, P. J., Abi-Rached, L., Guethlein, L. A.
  2011; 187 (1): 11-19

- **Characterization of killer immunoglobulin-like receptor genetics and comprehensive genotyping by pyrosequencing in rhesus macaques** *BMC GENOMICS*
  Moreland, A. J., Guethlein, L. A., Reeves, R. K., Broman, K. W., Johnson, R. P., Parham, P., O'Connor, D. H., Bimber, B. N.
  2011; 12

- **Hunter-gatherer genomic diversity suggests a southern African origin for modern humans** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Henn, B. M., Gignoux, C. R., Jobin, M., Granka, J. M., Macpherson, J. M., Kidd, J. M., Rodriguez-Botigue, L., Ramachandran, S., Hon, L., Brisbin, A., Lin, A. A., Underhill, P. A., Comas, et al
  2011; 108 (13): 5154-5162

- **Although Divergent in Residues of the Peptide Binding Site, Conserved Chimpanzee Patr-AL and Polymorphic Human HLA-A*02 Have Overlapping Peptide-Binding Repertoires** *JOURNAL OF IMMUNOLOGY*
  Gleimer, M., Wahl, A. R., Hickman, H. D., Abi-Rached, L., Norman, P. J., Guethlein, L. A., Hammond, J. A., Draghi, M., Adams, E. J., Juo, S., Jalili, R., Gharizadeh, B., Ronaghi, et al
  2011; 186 (3): 1575-1588

- **The IMGT/HLA database** *NUCLEIC ACIDS RESEARCH*
  Robinson, J., Mistry, K., McWilliam, H., Lopez, R., Parham, P., Marsh, S. G.
  2011; 39: D1171-D1176

- **Interactions of NK Cell Receptor KIR3DL1*004 with Chaperones and Conformation-Specific Antibody Reveal a Functional Folded State As Well As Predominant Intracellular Retention** *JOURNAL OF IMMUNOLOGY*
  Taner, S. B., Pando, M. J., Roberts, A., Schellekens, J., Marsh, S. G., Malmberg, K., Parham, P., Brodsky, F. M.
  2011; 186 (1): 62-72

- **Different Patterns of Evolution in the Centromeric and Telomeric Regions of Group A and B Haplotypes of the Human Killer Cell Ig-Like Receptor Locus** *PLOS ONE*
  Pyo, C., Guethlein, L. A., Vu, Q., Wang, R., Abi-Rached, L., Norman, P. J., Marsh, S. G., Miller, J. S., Parham, P., Geraghty, D. E.
  2010; 5 (12)

- **Human-Specific Evolution and Adaptation Led to Major Qualitative Differences in the Variable Receptors of Human and Chimpanzee Natural Killer Cells** *PLOS GENETICS*
  Abi-Rached, L., Moesta, A. K., Rajalingam, R., Guethlein, L. A., Parham, P.
  2010; 6 (11)

- **Pregnancy immunogenetics: NK cell education in the womb?** *JOURNAL OF CLINICAL INVESTIGATION*
  Parham, P., Guethlein, L. A.
  2010; 120 (11): 3801-3804

- **Donor selection for natural killer cell receptor genes leads to superior survival after unrelated transplantation for acute myelogenous leukemia** *BLOOD*

Cooley, S., Weisdorf, D. J., Guethlein, L. A., Klein, J. P., Wang, T., Le, C. T., Marsh, S. G., Geraghty, D., Spellman, S., Haagenson, M. D., Ladner, M., Trachtenberg, E., Parham, et al

2010; 116 (14): 2411-2419

- **Humans Differ from Other Hominids in Lacking an Activating NK Cell Receptor That Recognizes the C1 Epitope of MHC Class I** *JOURNAL OF IMMUNOLOGY*

  Moesta, A. K., Graef, T., Abi-Rached, L., Aguilar, A. M., Guethlein, L. A., Parham, P.

  2010; 185 (7): 4233-4237

- **Coevolution of Killer Cell Ig-Like Receptors with HLA-C To Become the Major Variable Regulators of Human NK Cells** *JOURNAL OF IMMUNOLOGY*

  Aguilar, A. M., Guethlein, L. A., Adams, E. J., Abi-Rached, L., Moesta, A. K., Parham, P.

  2010; 185 (7): 4238-4251

- **Primate-specific regulation of natural killer cells** *27th Annual Symposium on Non-Human Primate Models for AIDS*

  Parham, P., Abi-Rached, L., Matevosyan, L., Moesta, A. K., Norman, P. J., Aguilar, A. M., Guethlein, L. A.

  WILEY-BLACKWELL PUBLISHING, INC.2010: 194–212

- **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

- **Nomenclature for factors of the HLA system, 2010** *TISSUE ANTIGENS*

  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; 75 (4): 291-455

- **A Small, Variable, and Irregular Killer Cell Ig-Like Receptor Locus Accompanies the Absence of MHC-C and MHC-G in Gibbons** *JOURNAL OF IMMUNOLOGY*

  Abi-Rached, L., Kuhl, H., Roos, C., ten Hallers, B., Zhu, B., Carbone, L., de Jong, P. J., Mootnick, A. R., Knaust, F., Reinhardt, R., Parham, P., Walter, L.

  2010; 184 (3): 1379-1391

- **Selection of Donors with Favorable KIR B Genotypes for Unrelated Hematopoietic Cell Transplantation Results in Superior Relapse Protection and Better Relapse-Free Survival for Patients with AML** *51st Annual Meeting and Exposition of the American-Society-of-Hematology*

  Cooley, S., Guethlein, L., Trachtenberg, E., Ladner, M., Luo, X., Le, C. T., Wang, T., Klein, J. P., Marsh, S. G., Spellman, S., Haagenson, M. D., Weisdorf, D. J., Parham, et al

  AMER SOC HEMATOLOGY.2009: 277–78

- **Co-evolution of KIR2DL3 with HLA-C in a human population retaining minimal essential diversity of KIR and HLA class I ligands** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

  Gendzekhadze, K., Norman, P. J., Abi-Rached, L., Graef, T., Moesta, A. K., Layrisse, Z., Parham, P.

  2009; 106 (44): 18692-18697

- **KIR2DS4 is a product of gene conversion with KIR3DL2 that introduced specificity for HLA-A*11 while diminishing avidity for HLA-C** *JOURNAL OF EXPERIMENTAL MEDICINE*

  Graef, T., Moesta, A. K., Norman, P. J., Abi-Rached, L., Vago, L., Aguilar, A. M., Gleimer, M., Hammond, J. A., Guethlein, L. A., Bushnell, D. A., Robinson, P. J., Parham, P.

  2009; 206 (11): 2557-2572

- **Dimorphic Motifs in D0 and D1+D2 Domains of Killer Cell Ig-Like Receptor 3DL1 Combine to Form Receptors with High, Moderate, and No Avidity for the Complex of a Peptide Derived from HIV and HLA-A*2402** *JOURNAL OF IMMUNOLOGY*

  Sharma, D., Bastard, K., Guethlein, L. A., Norman, P. J., Yawata, N., Yawata, M., Pando, M., Thananchai, H., Dong, T., Rowland-Jones, S., Brodsky, F. M., Parham, P.

  2009; 183 (7): 4569-4582

- **Killer Ig-Like Receptor (KIR) Genotype Predicts the Capacity of Human KIR-Positive CD56(dim) NK Cells to Respond to Pathogen-Associated Signals** *JOURNAL OF IMMUNOLOGY*

  Korbel, D. S., Norman, P. J., Newman, K. C., Horowitz, A., Gendzekhadze, K., Parham, P., Riley, E. M.

  2009; 182 (10): 6426-6434

- **Meiotic recombination generates rich diversity in NK cell receptor genes, alleles, and haplotypes** *GENOME RESEARCH*
  Norman, P. J., Abi-Rached, L., Gendzekhadze, K., Hammond, J. A., Moesta, A. K., Sharma, D., Graef, T., McQueen, K. L., Guethlein, L. A., Carrington, C. V., Chandanayingyong, D., Chang, Y., Crespi, et al
  2009; 19 (5): 757-769

- **Chimpanzees Use More Varied Receptors and Ligands Than Humans for Inhibitory Killer Cell Ig-Like Receptor Recognition of the MHC-C1 and MHC-C2 Epitopes** *JOURNAL OF IMMUNOLOGY*
  Moesta, A. K., Abi-Rached, L., Norman, P. J., Parham, P.
  2009; 182 (6): 3628-3637

- **Evolution and Survival of Marine Carnivores Did Not Require a Diversity of Killer Cell Ig-Like Receptors or Ly49 NK Cell Receptors** *JOURNAL OF IMMUNOLOGY*
  Hammond, J. A., Guethlein, L. A., Abi-Rached, L., Moesta, A. K., Parham, P.
  2009; 182 (6): 3618-3627

- **Donors with group B KIR haplotypes improve relapse-free survival after unrelated hematopoietic cell transplantation for acute myelogenous leukemia** *BLOOD*
  Cooley, S., Trachtenberg, E., Bergemann, T. L., Saeteurn, K., Klein, J., Le, C. T., Marsh, S. G., Guethlein, L. A., Parham, P., Miller, J. S., Weisdorf, D. J.
  2009; 113 (3): 726-732

- **The IMGT/HLA database** *NUCLEIC ACIDS RESEARCH*
  Robinson, J., Waller, M. J., Fail, S. C., McWilliam, H., Lopez, R., Parham, P., Marsh, S. G.
  2009; 37: D1013-D1017

- **The genetic and evolutionary balances in human NK cell receptor diversity** *SEMINARS IN IMMUNOLOGY*
  Parham, P.
  2008; 20 (6): 311-316

- **The evolution of NK cell diversity** *SEMINARS IN IMMUNOLOGY*
  Makrigiannis, A. P., Parham, P.
  2008; 20 (6): 309-310

- **Polymorphic Sites Away from the Bw4 Epitope That Affect Interaction of Bw4(+) HLA-B with KIR3DL1** *JOURNAL OF IMMUNOLOGY*
  Sanjanwala, B., Draghi, M., Norman, P. J., Guethlein, L. A., Parham, P.
  2008; 181 (9): 6293-6300

- **MHC class I-specific inhibitory receptors and their ligands structure diverse human NK-cell repertoires toward a balance of missing self-response** *BLOOD*
  Yawata, M., Yawata, N., Draghi, M., Partheniou, F., Little, A., Parham, P.
  2008; 112 (6): 2369-2380

- **Novel KIR3DL1 alleles and their expression levels on NK cells: Convergent evolution of KIR3DL1 phenotype variation?** *JOURNAL OF IMMUNOLOGY*
  Thomas, R., Yamada, E., Alter, G., Martin, M. P., Bashirova, A. A., Norman, P. J., Altfeld, M., Parham, P., Anderson, S. K., McVicar, D. W., Carrington, M.
  2008; 180 (10): 6743-6750

- **Analytic approximation of spatial epidemic models of foot and mouth disease** *THEORETICAL POPULATION BIOLOGY*
  Parham, P. E., Singh, B. K., Ferguson, N. M.
  2008; 73 (3): 349-368

- **Synergistic polymorphism at two positions distal to the ligand-binding site makes KIR2DL2 a stronger receptor for HLA-C than KIR2DL3** *JOURNAL OF IMMUNOLOGY*
  Moesta, A. K., Norman, P. J., Yawata, M., Yawata, N., Gleimer, M., Parham, P.
  2008; 180 (6): 3969-3979

- **Unusual selection on the KIR3DL1/S1 natural killer cell receptor in Africans** *NATURE GENETICS*
  Norman, P. J., Abi-Rached, L., Gendzekhadze, K., Korbel, D., Gleimer, M., Rowley, D., Bruno, D., Carrington, C. V., Chandanayingyong, D., Chang, Y., Crespi, C., Saruhan-Direskeneli, G., Fraser, et al
  2007; 39 (9): 1092-1099

- **A subpopulation of human peripheral blood NK cells that lacks inhibitory receptors for self-MHC is developmentally immature** *BLOOD*
  Cooley, S., Xiao, F., Pitt, M., Gleason, M., McCullar, V., Bergemann, T. L., McQueen, K. L., Guethlein, L. A., Parham, P., Miller, J. S.
  2007; 110 (2): 578-586

- **High-throughput killer cell immunoglobulin-like receptor genotyping by MALDI-TOF mass spectrometry with discovery of novel alleles** *IMMUNOGENETICS*
  Houtchens, K. A., Nichols, R. J., Ladner, M. B., Boal, H. E., Sollars, C., Geraghty, D. E., Davis, L. M., Parham, P., Trachtenberg, E. A.
  2007; 59 (7): 525-537

- **Evolution of killer cell Ig-like receptor (KIR) genes: Definition of an orangutan KIR haplotype reveals expansion of lineage IIIKIR associated with the emergence of MHC-C** *JOURNAL OF IMMUNOLOGY*
  Guethlein, L. A., Aguilar, A. M., Abi-Rached, L., Parham, P.
  2007; 179 (1): 491-504

- **Episodes of natural selection shaped the interactions of IgA-Fc with Fc alpha RI and bacterial decoy proteins** *JOURNAL OF IMMUNOLOGY*
  Abi-Rached, L., Dorighi, K., Norman, P. J., Yawata, M., Parham, P.
  2007; 178 (12): 7943-7954

- **The expanded cattle KIR genes are orthologous to the conserved single-copy KIR3DX1 gene of primates** *IMMUNOGENETICS*
  Guethlein, L. A., Abi-Rached, L., Hammond, J. A., Parham, P.
  2007; 59 (6): 517-522

- **Missing KIR ligands are associated with less relapse and increased graft-versus-host disease (GVHD) following unrelated donor allogeneic HCT** *BLOOD*
  Miller, J. S., Cooley, S., Parham, P., Farag, S. S., Verneris, M. R., McQueen, K. L., Guethlein, L. A., Trachtenberg, E. A., Haagenson, M., Horowitz, M. M., Klein, J. P., Weisdorf, D. J.
  2007; 109 (11): 5058-5061

- **Innate partnership of HLA-B and KIR3DL1 subtypes against HIV-1** *NATURE GENETICS*
  Martin, M. P., Qi, Y., Gao, X., Yamada, E., Martin, J. N., Pereyra, F., Colombo, S., Brown, E. E., Shupert, W. L., Phair, J., Goedert, J. J., Buchbinder, S., Kirk, et al
  2007; 39 (6): 733-740

- **Donor-recipient combinations of group A and BKIR haplotypes and HLA class I ligand affect the outcome of HLA-matched, sibling donor hematopoietic cell transplantation** *HUMAN IMMUNOLOGY*
  McQueen, K. L., Dorighi, K. M., Guethlein, L. A., Wong, R., Sanianwala, B., Parham, P.
  2007; 68 (5): 309-323

- **NKp46 and NKG2D recognition of infected dendritic cells is necessary for NK cell activation in the human response to influenza infection** *JOURNAL OF IMMUNOLOGY*
  Draghi, M., Pashine, A., Sanjanwala, B., Gendzekhadze, K., Cantoni, C., Cosman, D., Moretta, A., Valiante, N. M., Parham, P.
  2007; 178 (5): 2688-2698

- **Functional polymorphism of the KIR3DL1/S1 receptor on human NK cells** *JOURNAL OF IMMUNOLOGY*
  O'Connor, G. M., Guinan, K. J., Cunningham, R. T., Middleton, D., Parham, P., Gardiner, C. M.
  2007; 178 (1): 235-241

- **Cutting edge: Allele-specific and peptide-dependent interactions between KIR3DL1 and HLA-A and HLA-B** *JOURNAL OF IMMUNOLOGY*
  Thananchai, H., Gillespie, G., Martin, M. P., Bashirova, A., Yawata, N., Yawata, M., Easterbrook, P., McVicar, D. W., Maenaka, K., Parham, P., Carrington, M., Dong, T., Rowland-Jones, et al
  2007; 178 (1): 33-37

- **Do NK-cell receptors and alloreactivity affect solid organ transplantation?** *International Symposium on Transplant Immunology - New Ways of Tolerance*
  Vilches, C., Parham, P.
  ELSEVIER SCIENCE BV.2006: 27–30

- **Taking license with natural killer cell maturation and repertoire development** *IMMUNOLOGICAL REVIEWS*
  Parham, P.
  2006; 214: 155-160

- **KIR ligand absence in recipients of unrelated donor (URD) allogeneic hematopoietic cell transplantation (HCT) is associated with less relapse and increased graft versus host disease (GVHD).** *48th Annual Meeting of the American-Society-of-Hematology*
  Miller, J. S., Cooley, S., Parham, P., Verneris, M. R., McQueen, K., Guethlein, L., Farag, S., Haagenson, M., Horowitz, M., Klein, J., Weisdorf, D. J.
  AMER SOC HEMATOLOGY.2006: 55A–55A
- **High KIR diversity in Amerindians is maintained using few gene-content haplotypes** *IMMUNOGENETICS*
  Gendzekhadze, K., Norman, P. J., Abi-Rached, L., Layrisse, Z., Parham, P.
  2006; 58 (5-6): 474-480
- **Immunology - Adaptable innate killers** *NATURE*
  Parham, P.
  2006; 441 (7092): 415-416
- **Roles for HLA and KIR polymorphisms in natural killer cell repertoire selection and modulation of effector function** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Yawata, M., Yawata, N., Draghi, M., Little, A. M., Partheniou, F., Parham, P.
  2006; 203 (3): 633-645
- **The inhibitory receptor NKG2A determines lysis of vaccinia virus-infected autologous targets by NK cells** *JOURNAL OF IMMUNOLOGY*
  Brooks, C. R., Elliott, T., Parham, P., Khakoo, S. I.
  2006; 176 (2): 1141-1147
- **KIR3DL1 polymorphisms that affect NK cell inhibition by HLA-Bw4 ligand** *JOURNAL OF IMMUNOLOGY*
  Carr, W. H., Pando, M. J., Parham, P.
  2005; 175 (8): 5222-5229
- **Clathrin heavy and light chain isoforms originated by independent mechanisms of gene duplication during chordate evolution** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Wakeham, D. E., Abi-Rached, L., Towler, M. C., Wilbur, J. D., Parham, P., Brodsky, F. M.
  2005; 102 (20): 7209-7214
- **Natural selection drives recurrent formation of activating killer cell immunoglobulin-like receptor and Ly49 from inhibitory homologues** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Abi-Rached, L., Parham, P.
  2005; 201 (8): 1319-1332
- **Nomenclature for factors of the HLA system, 2004** *TISSUE ANTIGENS*
  Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., DuPont, B., Erlich, H. A., Geraghty, D. E., Hansen, J. A., Hurley, C. K., Mach, B., Mayr, W. R., Parham, P., Petersdorf, et al
  2005; 65 (4): 301-369
- **Complex interactions: The immunogenetics of human leukocyte antigen and killer cell immunoglobulin-like receptors** *SEMINARS IN HEMATOLOGY*
  Norman, P. J., Parham, P.
  2005; 42 (2): 65-75
- **Single-cell analysis of the human NK cell response to missing self and its inhibition by HLA class I** *BLOOD*
  Draghi, M., Yawata, N., Gleimer, M., Yawata, M., Valiante, N. M., Parham, P.
  2005; 105 (5): 2028-2035
- **MHC class I molecules and KIRs in human history, health and survival** *NATURE REVIEWS IMMUNOLOGY*
  Parham, P.
  2005; 5 (3): 201-214
- **Immunogenetics of killer cell immunoglobulin-like receptors** *20th International Natural Killer Cell Workshop*
  Parham, P.
  PERGAMON-ELSEVIER SCIENCE LTD.2005: 459–62
- **Putting a face to MHC restriction** *JOURNAL OF IMMUNOLOGY*
  Parham, P.

2005; 174 (1): 3-5

- **Influence of KIR diversity on human immunity** *10th International Conference on Mechanisms of Lymphocyte Activation and Immune Regulation*
  Parham, P.
  SPRINGER.2005: 47–50
- **Single haplotype analysis demonstrates rapid evolution of the killer immunoglobulin-like receptor (KIR) loci in primates** *GENOME RESEARCH*
  Sambrook, J. G., Bashirova, A., Palmer, S., Sims, S., Trowsdale, J., Abi-Rached, L., Parham, P., Carrington, M., Beck, S.
  2005; 15 (1): 25-35
- **T cell-dependent production of IFN-gamma by NK cells in response to influenza A virus** *JOURNAL OF CLINICAL INVESTIGATION*
  He, X. S., Draghi, M., Mahmood, K., Holmes, T. H., Kemble, G. W., Dekker, C. L., Arvin, A. M., Parham, P., Greenberg, H. B.
  2004; 114 (12): 1812-1819
- **NK cells and trophoblasts: Partners in pregnancy** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Parham, P.
  2004; 200 (8): 951-955
- **HLA-A, -B, -Cw,-DQA1, -DQB1 and -DRB1 alleles and KIR alleles in a Hindu population from Punjab, India** *HUMAN IMMUNOLOGY*
  Rajalingam, R., Parham, P., Mehra, N. K.
  2004; 65 (9-10): 958-960
- **Immunology. NK cells lose their inhibition.** *Science*
  Parham, P.
  2004; 305 (5685): 786-787
- **Killer cell immunoglobulin-like receptor diversity: balancing signals in the natural killer cell response** *12th Symposium on Signals and Signal Processing in the Immune System*
  Parham, P.
  ELSEVIER SCIENCE BV.2004: 11–13
- **The beta(2)-microglobulin locus of rainbow trout (Oncorhynchus mykiss) contains three polymorphic genes** *JOURNAL OF IMMUNOLOGY*
  Magor, K. E., Shum, B. P., Parham, P.
  2004; 172 (6): 3635-3643
- **Mini-review: defense strategies and immunity-related genes.** *European journal of immunology*
  Trowsdale, J., Parham, P.
  2004; 34 (1): 7-17
- **Defense strategies and immunity-related genes** *EUROPEAN JOURNAL OF IMMUNOLOGY*
  Trowsdale, J., Parham, P.
  2004; 34 (1): 7-17
- **Domain shuffling has been the main mechanism forming new hominoid killer cell Ig-like receptors** *JOURNAL OF IMMUNOLOGY*
  Rajalingam, R., Parham, P., Abi-Rached, L.
  2004; 172 (1): 356-369
- **The protein made from a common allele of KIR3DL1 (3DL1*004) is poorly expressed at cell surfaces due to substitution at positions 86 in Ig domain 0 and 182 in Ig domain 1** *JOURNAL OF IMMUNOLOGY*
  Pando, M. J., Gardiner, C. M., Gleimer, M., McQueen, K. L., Parham, P.
  2003; 171 (12): 6640-6649
- **Activation of a subset of human NK cells upon contact with Plasmodium falciparum-infected erythrocytes** *JOURNAL OF IMMUNOLOGY*
  Artavanis-Tsakonas, K., Eleme, K., McQueen, K. L., Cheng, N. W., Parham, P., Davis, D. M., Riley, E. M.
  2003; 171 (10): 5396-5405
- **Stress management: MHC class I and class I-like molecules as reporters of cellular stress** *IMMUNITY*
  Gleimer, M., Parham, P.
  2003; 19 (4): 469-477

- **Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002** *JOURNAL OF IMMUNOLOGICAL METHODS*
  Marsh, S. G., Parham, P., DuPont, B., Geraghty, D. E., Trowsdale, J., Middleton, D., Vilches, C., Carrington, M., Witt, C.
  2003; 281 (1-2): 1-8

- **Immunogenetics of killer-cell immunoglobulin-like receptors** *TISSUE ANTIGENS*
  Parham, P.
  2003; 62 (3): 194-200

- **Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002** *TISSUE ANTIGENS*
  Marsh, S. G., Parham, P., DuPont, B., Geraghty, D. E., Trowsdale, J., Middleton, D., Vilches, C., Carrington, M., Witt, C., Guethlein, L. A., Shilling, H., Garcia, C. A., Hsu, et al
  2003; 62 (1): 79-86

- **Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002** *IMMUNOGENETICS*
  Marsh, S. G., Parham, P., DuPont, B., Geraghty, D. E., Trowsdale, J., Middleton, D., Vilches, C., Carrington, M., Witt, C., Guethlein, L. A., Shilling, H., Garcia, C. A., Hsu, et al
  2003; 55 (4): 220-226

- **Human KIR sequences 2003** *IMMUNOGENETICS*
  Garcia, C. A., Robinson, J., Guethlein, L. A., Parham, P., Madrigal, J. A., Marsh, S. G.
  2003; 55 (4): 227-239

- **Reconstitution of NK cell receptor repertoire following HLA-matched hematopoietic cell transplantation** *BLOOD*
  Shilling, H. G., McQueen, K. L., Cheng, N. W., Shizuru, J. A., Negrin, R. S., Parham, P.
  2003; 101 (9): 3730-3740

- **Innate immunity: The unsung heroes.** *Nature*
  Parham, P.
  2003; 423 (6935): 20-?

- **Alloreactive killer cells: Hindrance and help for haematopoietic transplants** *NATURE REVIEWS IMMUNOLOGY*
  Parham, P., McQueen, K. L.
  2003; 3 (2): 108-122

- **IMGT/HLA and IMGT/MHC: sequence databases for the study of the major histocompatibility complex** *NUCLEIC ACIDS RESEARCH*
  Robinson, J., Waller, M. J., Parham, P., De Groot, N., Bontrop, R., Kennedy, L. J., Stoehr, P., Marsh, S. G.
  2003; 31 (1): 311-314

- **Cloning and sequencing full-length HLA-B and -C genes** *TISSUE ANTIGENS*
  Cox, S. T., McWhinnie, A. J., Robinson, J., Marsh, S. G., Parham, P., Madrigal, J. A., Little, A. M.
  2003; 61 (1): 20-48

- **Nomenclature for factors of the HLA system, 2002.** *Tissue antigens*
  Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., DuPont, B., Erlich, H. A., Geraghty, D. E., Hansen, J. A., Mach, B., Mayr, W. R., Parham, P., Petersdorf, E. W., Sasazuki, et al
  2002; 60 (5): 407-464

- **NK cell-mediated lysis of autologous HCMV-infected skin fibroblasts is highly variable among NK cell clones and polyclonal NK cell lines** *CLINICAL IMMUNOLOGY*
  Carr, W. H., Little, A. M., Mocarski, E., Parham, P.
  2002; 105 (2): 126-140

- **Predominance of group A KIR haplotypes in Japanese associated with diverse NK cell repertoires of KIR expression** *IMMUNOGENETICS*
  Yawata, M., Yawata, N., McQueen, K. L., Cheng, N. W., Guethlein, L. A., Rajalingam, R., Shilling, H. G., Parham, P.
  2002; 54 (8): 543-550

- **The DO domain of KIR3D acts as a major histocompatibility complex class I binding enhancer** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Khakoo, S. I., Geller, R., Shin, S., Jenkins, J. A., Parham, P.
  2002; 196 (7): 911-921

- **Variable receptors controlling activation and inhibition of NK cells** *CURRENT OPINION IN IMMUNOLOGY*
  McQueen, K. L., Parham, P.
  2002; 14 (5): 615-621

- **Some human KIR haplotypes contain two KIR2DL5 genes: KIR2DL5A and KIR2DL5B** *IMMUNOGENETICS*
  Gomez-Lozano, N., Gardiner, C. M., Parham, P., Vilches, C.
  2002; 54 (5): 314-319

- **Genetic control of human NK cell repertoire** *JOURNAL OF IMMUNOLOGY*
  Shilling, H. G., Young, N., Guethlein, L. A., Cheng, N. W., Gardiner, C. M., Tyan, D., Parham, P.
  2002; 169 (1): 239-247

- **NK cell receptors of the Orangutan (Pongo pygmaeus): A pivotal species for tracking the colevolution of killer cell Ig-like receptors with MHC-C** *JOURNAL OF IMMUNOLOGY*
  Guethlein, L. A., Flodin, L. R., Adams, E. J., Parham, P.
  2002; 169 (1): 220-229

- **Definition of gene content for nine common group B haplotypes of the Caucasoid population: KIR haplotypes contain between seven and eleven KIR genes** *IMMUNOGENETICS*
  Uhrberg, M., Parham, P., Wernet, P.
  2002; 54 (4): 221-229

- **Structures of two major histocompatibility complex class I genes of the rainbow trout (Oncorhynchus mykiss)** *IMMUNOGENETICS*
  Shum, B. P., Mason, P. M., Magor, K. E., Flodin, L. R., Stet, R. J., Parham, P.
  2002; 54 (3): 193-199

- **Linkage of Patr-AL to Patr-A and-B in the major histocompatibility complex of the common chimpanzee (Pan troglodytes)** *IMMUNOGENETICS*
  Geller, R., Adams, E. J., Guethlein, L. A., Little, A. M., Madrigal, J. A., Parham, P.
  2002; 54 (3): 212-215

- **A human genome diversity cell line panel** *SCIENCE*
  Cann, H. M., de Toma, C., Cazes, L., Legrand, M. F., Morel, V., Piouffre, L., Bodmer, J., Bodmer, W. F., Bonne-Tamir, B., Cambon-Thomsen, A., Chen, Z., Chu, J. Y., Carcassi, et al
  2002; 296 (5566): 261-262

- **Allelic polymorphism synergizes with variable gene content to individualize human KIR genotype** *JOURNAL OF IMMUNOLOGY*
  Shilling, H. G., Guethlein, L. A., Cheng, N. W., Gardiner, C. M., Rodriguez, R., Tyan, D., Parham, P.
  2002; 168 (5): 2307-2315

- **Distinctive KIR and HLA diversity in a panel of north Indian Hindus** *IMMUNOGENETICS*
  Rajalingam, R., Krausa, P., Shilling, H. G., Stein, J. B., Balamurugan, A., McGinnis, M. D., Cheng, N. W., Mehra, N. K., Parham, P.
  2002; 53 (12): 1009-1019

- **Variation within the human killer cell immunoglobulin-like receptor (KIR) gene family** *CRITICAL REVIEWS IN IMMUNOLOGY*
  Yawata, M., Yawata, N., Abi-Rached, L., Parham, P.
  2002; 22 (5-6): 463-482

- **KIR: Diverse, rapidly evolving receptors of innate and adaptive immunity** *ANNUAL REVIEW OF IMMUNOLOGY*
  Vilches, C., Parham, P.
  2002; 20: 217-251

- **Conservation and variation in human and common chimpanzee CD94 and NKG2 genes** *JOURNAL OF IMMUNOLOGY*
  Shum, B. P., Flodin, L. R., Muir, D. G., Rajalingam, R., Khakoo, S. I., Cleland, S., Guethlein, L. A., Uhrberg, M., Parham, P.
  2002; 168 (1): 240-252

- **Exon 5 encoding the transmembrane region of HLA-A contains a transitional region for the induction of nonsense-mediated mRNA decay** *JOURNAL OF IMMUNOLOGY*
  Watanabe, Y., Magor, K. E., Parham, P.
  2001; 167 (12): 6901-6911

- **Comparison of chimpanzee and human leukocyte Ig-like receptor genes reveals framework and rapidly evolving genes** *JOURNAL OF IMMUNOLOGY*
  CANAVEZ, F., Young, N. T., Guethlein, L. A., Rajalingam, R., Khakoo, S. I., Shum, B. P., Parham, P.
  2001; 167 (10): 5786-5794
- **A novel, nonclassical MHC class I molecule specific to the common chimpanzee** *JOURNAL OF IMMUNOLOGY*
  Adams, E. J., Cooper, S., Parham, P.
  2001; 167 (7): 3858-3869
- **Species-specific evolution of MHC class I genes in the higher primates** *IMMUNOLOGICAL REVIEWS*
  Adams, E. J., Parham, P.
  2001; 183: 41-64
- **New nomenclature for MHC receptors** *NATURE IMMUNOLOGY*
  Andre, P., Biassoni, R., Colonna, M., Cosman, D., Lanier, L. L., Long, E. O., Lopez-Botet, M., Moretta, A., Moretta, L., Parham, P., Trowsdale, J., Vivier, E., Wagtmann, et al
  2001; 2 (8): 661-661
- **Conserved organization of the ILT/LIR gene family within the polymorphic human leukocyte receptor complex** *IMMUNOGENETICS*
  Young, N. T., CANAVEZ, F., Uhrberg, M., Shum, B. P., Parham, P.
  2001; 53 (4): 270-278
- **Genomic analysis of common chimpanzee major histocompatibility complex class I genes** *IMMUNOGENETICS*
  Adams, E. J., Parham, P.
  2001; 53 (3): 200-208
- **The repertoire of killer cell Ig-like receptor and CD94 : NKG2A receptors in T cells: clones sharing identical alpha beta TCR rearrangement express highly diverse killer cell Ig-like receptor patterns** *JOURNAL OF IMMUNOLOGY*
  Uhrberg, M., Valiante, N. M., Young, N. T., Lanier, L. L., Phillips, J. H., Parham, P.
  2001; 166 (6): 3923-3932
- **Differential expression of leukocyte receptor complex-encoded Ig-like receptors correlates with the transition from effector to memory CTL** *JOURNAL OF IMMUNOLOGY*
  Young, N. T., Uhrberg, M., Phillips, J. H., Lanier, L. L., Parham, P.
  2001; 166 (6): 3933-3941
- **Different NK cell surface phenotypes defined by the DX9 antibody are due to KIR3DL1 gene polymorphism** *JOURNAL OF IMMUNOLOGY*
  Gardiner, C. M., Guethlein, L. A., Shilling, H. G., Pando, M., Carr, W. H., Rajalingam, R., Vilches, C., Parham, P.
  2001; 166 (5): 2992-3001
- **Nomenclature for factors of the HLA system, 2000.** *Tissue antigens*
  Marsh, S. G., Bodmer, J. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., DuPont, B., Erlich, H. A., Hansen, J. A., Mach, B., Mayr, W. R., Parham, P., Petersdorf, E. W., Sasazuki, et al
  2001; 57 (3): 236-283
- **Modes of salmonid MHC class I and II evolution differ from the primate paradigm** *JOURNAL OF IMMUNOLOGY*
  Shum, B. P., Guethlein, L., Flodin, L. R., Adkison, M. A., Hedrick, R. P., Nehring, R. B., Stet, R. J., Secombes, C., Parham, P.
  2001; 166 (5): 3297-3308
- **Short KIR haplotypes in pygmy chimpanzee (Bonobo) resemble the conserved framework of diverse human KIR haplotypes** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Rajalingam, R., Hong, M., Adams, E. J., Shum, B. P., Guethlein, L. A., Parham, P.
  2001; 193 (1): 135-146
- **Identification of seventeen novel KIR variants: fourteen of them from two non-Caucasian donors** *TISSUE ANTIGENS*
  Rajalingam, R., Gardiner, C. M., CANAVEZ, F., Vilches, C., Parham, P.
  2001; 57 (1): 22-31
- **Identification of seventeen novel KIR variants: fourteen of them from two non-Caucasian donors** *TISSUE ANTIGENS*
  Rajalingam, R., Gardiner, C. M., CANAVEZ, F., Vilches, C., Parham, P.

2001; 57 (1): 22-31

- **MHC I-dependent antigen presentation is inhibited by poliovirus protein 3A** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Deitz, S. B., Dodd, D. A., Cooper, S., Parham, P., Kirkegaard, K.
  2000; 97 (25): 13790-13795
- **Gene structure and promoter variation of expressed and nonexpressed variants of the KIR2DL5 gene** *JOURNAL OF IMMUNOLOGY*
  Vilches, C., Gardiner, C. M., Parham, P.
  2000; 165 (11): 6416-6421
- **Discovery of two novel variants of KIR2DS5 reveals this gene to be a common component of human KIR 'B' haplotypes** *TISSUE ANTIGENS*
  Vilches, C., Pando, M. J., Rajalingam, R., Gardiner, C. M., Parham, P.
  2000; 56 (5): 453-456
- **Genes encoding human killer-cell Ig-like receptors with D1 and D2 extracellular domains all contain untranslated pseudoexons encoding a third Ig-like domain** *IMMUNOGENETICS*
  Vilches, C., Pando, M. J., Parham, P.
  2000; 51 (8-9): 639-646
- **KIR2DL5, a novel killer-cell receptor with a D0-D2 configuration of Ig-like domains** *JOURNAL OF IMMUNOLOGY*
  Vilches, C., Rajalingam, R., Uhrberg, M., Gardiner, C. M., Young, N. T., Parham, P.
  2000; 164 (11): 5797-5804
- **Rapid evolution of NK cell receptor systems demonstrated by comparison of chimpanzees and humans** *IMMUNITY*
  Khakoo, S. I., Rajalingam, R., Shum, B. P., Weidenbach, K., Flodin, L., Muir, D. G., CANAVEZ, F., COOPER, S. L., Valiante, N. M., Lanier, L. L., Parham, P.
  2000; 12 (6): 687-698
- **Common chimpanzees have greater diversity than humans at two of the three highly polymorphic MHC class I genes** *IMMUNOGENETICS*
  Adams, E. J., Cooper, S., Thomson, G., Parham, P.
  2000; 51 (6): 410-424
- **NK cell receptors: Of missing sugar and missing self** *CURRENT BIOLOGY*
  Parham, P.
  2000; 10 (5): R195-R197
- **IMGT/HLA Database - a sequence database for the human major histocompatibility complex** *TISSUE ANTIGENS*
  Robinson, J., Malik, A., Parham, P., Bodmer, J. G., Marsh, S. G.
  2000; 55 (3): 280-287
- **Distinguishing recombination and intragenic gene conversion by linkage disequilibrium patterns** *GENETICS RESEARCH*
  Wiehe, T., Mountain, J., Parham, P., Slatkin, M.
  2000; 75 (1): 61-73
- **Population frequencies and putative haplotypes of the killer cell immunoglobulin-like receptor sequences and evidence for recombination** *TRANSPLANTATION*
  Witt, C. S., Dewing, C., Sayer, D. C., Uhrberg, M., Parham, P., Christiansen, F. T.
  1999; 68 (11): 1784-1789
- **Immunogenetics - Soaring costs in defence** *NATURE*
  Parham, P.
  1999; 401 (6756): 870-871
- **Evidence for an HLA-C-like locus in the orangutan Pongo pygmaeus** *IMMUNOGENETICS*
  Adams, E. J., Thomson, G., Parham, P.
  1999; 49 (10): 865-871
- **A divergent non-classical class I gene conserved in salmonids** *IMMUNOGENETICS*
  Shum, B. P., Rajalingam, R., Magor, K. E., Azumi, K., Carr, W. H., Dixon, B., Stet, R. J., Adkison, M. A., Hedrick, R. P., Parham, P.
  1999; 49 (6): 479-490

- **Molecular phylogeny of New World primates (Platyrrhini) based on beta(2)-microglobulin DNA sequences** *MOLECULAR PHYLOGENETICS AND EVOLUTION*
  Canavez, F. C., Moreira, M. A., Ladasky, J. J., Pissinatti, A., Parham, P., Seuanez, H. N.
  1999; 12 (1): 74-82

- **Nomenclature for factors of the HLA system, 1998** *TISSUE ANTIGENS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., DuPont, B., Erlich, H. A., Hansen, J. A., Mach, B., Mayr, W. R., Parham, P., Petersdorf, E. W., Sasazuki, et al
  1999; 53 (4): 407-446

- **Analysis of a successful immune response against hepatitis C virus** *IMMUNITY*
  Cooper, S., Erickson, A. L., Adams, E. J., Kansopon, J., Weiner, A. J., Chien, D. Y., Houghton, M., Parham, P., Walker, C. M.
  1999; 10 (4): 439-449

- **Residue 3 of beta(2)-microglobulin affects binding of class I MHC molecules by the W6/32 antibody** *IMMUNOGENETICS*
  Ladasky, J. J., Shum, B. P., CANAVEZ, F., Seuanez, H. N., Parham, P.
  1999; 49 (4): 312-320

- **Virtual reality in the MHC** *IMMUNOLOGICAL REVIEWS*
  Parham, P.
  1999; 167: 5-15

- **Hepatitis C virus envelope glycoprotein E1 originates in the endoplasmic reticulum and requires cytoplasmic processing for presentation by class I MHC molecules** *JOURNAL OF IMMUNOLOGY*
  Selby, M., Erickson, A., Dong, C., Cooper, S., Parham, P., Houghton, M., Walker, C. M.
  1999; 162 (2): 669-676

- **Evolutionary disruptions of human syntenic groups 3, 12, 14, and 15 in Ateles paniscus chamek (Platyrrhini, Primates)** *CYTOGENETICS AND CELL GENETICS*
  Canavez, F. C., Moreira, M. A., Bonvicino, C. R., Parham, P., Seuanez, H. N.
  1999; 87 (3-4): 182-188

- **Phylogenetic relationships of the callitrichinae (Platyrrhini, primates) based on beta(2)-microglobulin DNA sequences** *AMERICAN JOURNAL OF PRIMATOLOGY*
  Canavez, F. C., Moreira, M. A., Simon, F., Parham, P., Seuanez, H. N.
  1999; 48 (3): 225-236

- **Polymorphism and evolution of HLA class I and II genes and molecules.** *Reviews in immunogenetics*
  Little, A. M., Parham, P.
  1999; 1 (1): 105-123

- **CK-1, a putative chemokine of rainbow trout (Oncorhynchus mykiss)** *IMMUNOLOGICAL REVIEWS*
  Dixon, B., Shum, B., Adams, E. J., Magor, K. E., Hedrick, R. P., Muir, D. G., Parham, P.
  1998; 166: 341-348

- **Evidence for recombination as a mechanism for KIR diversification** *IMMUNOGENETICS*
  Shilling, H. G., Lienert-Weidenbach, K., Valiante, N. M., Uhrberg, M., Parham, P.
  1998; 48 (6): 413-416

- **Direct binding and functional transfer of NK cell inhibitory receptors reveal novel patterns of HLA-C allotype recognition** *JOURNAL OF IMMUNOLOGY*
  WINTER, C. C., Gumperz, J. E., Parham, P., Long, E. O., Wagtmann, N.
  1998; 161 (2): 571-577

- **The influence of exogenous peptide on beta(2)-microglobulin exchange in the HLA complex: analysis in real-time** *IMMUNOGENETICS*
  Morgan, C. L., Ruprai, A. K., Solache, A., Lowdell, M., Price, C. P., Cohen, S. B., Parham, P., Madrigal, J. A., Newman, D. J.
  1998; 48 (2): 98-107

- **beta(2)-microglobulin in neotropical primates (Platyrrhini)** *IMMUNOGENETICS*
  Canavez, F. C., Ladasky, J. J., Muniz, J. A., Seuanez, H. N., Parham, P.

1998; 48 (2): 133-140

- **The Bw4/Bw6 difference between HLA-B*0802 and HLA-B*0801 changes the peptides endogenously bound and the stimulation of alloreactive T cells** *IMMUNOGENETICS*
  Arnett, K. L., Huang, W., Valiante, N. M., Barber, L. D., Parham, P.
  1998; 48 (1): 56-61

- **Comparative gene assignment in Ateles paniscus chamek (Platyrrhini, Primates) and man: association of three separate human syntenic groups and evolutionary considerations** *CHROMOSOMA*
  CANAVEZ, F., Moreira, M. A., Bonvicino, C. R., Parham, P., Seuanez, H. N.
  1998; 107 (2): 73-79

- **HLA class I region sequences, 1998** *TISSUE ANTIGENS*
  Mason, P. M., Parham, P.
  1998; 51 (4): 417-466

- **Clathrin self-assembly is regulated by three light-chain residues controlling the formation of critical salt bridges** *EMBO JOURNAL*
  Ybe, J. A., Greene, B., Liu, S. H., Pley, U., Parham, P., Brodsky, F. M.
  1998; 17 (5): 1297-1303

- **A major histocompatibility complex class I allele shared by two species of chimpanzee** *IMMUNOGENETICS*
  Cooper, S., Adams, E. J., WELLS, R. S., Walker, C. M., Parham, P.
  1998; 47 (3): 212-217

- **Characterization of chimpanzee TCRV gene polymorphism: how old are human TCRV alleles?** *IMMUNOGENETICS*
  Jaeger, E. E., Bontrop, R. E., Parham, P., Wickings, E. J., Kadwell, M., Lanchbury, J. S.
  1998; 47 (2): 115-123

- **Functionally and structurally distinct NK cell receptor repertoires in the peripheral blood of two human donors** *IMMUNITY*
  Valiante, N. M., Uhrberg, M., Shilling, H. G., Lienert-Weidenbach, K., Arnett, K. L., D'Andrea, A., Phillips, J. H., Lanier, L. L., Parham, P.
  1997; 7 (6): 739-751

- **Human diversity in killer cell inhibitory receptor genes** *IMMUNITY*
  Uhrberg, M., Valiante, N. M., Shum, B. P., Shilling, H. G., Lienert-Weidenbach, K., Corliss, B., Tyan, D., Lanier, L. L., Parham, P.
  1997; 7 (6): 753-763

- **Mismatches for two major and one minor histocompatibility antigen correlate with a patient's rejection of a bone marrow graft from a serologically HLA-identical sibling.** *Biology of blood and marrow transplantation*
  Lienert-Weidenbach, K., Valiante, N. M., Brown, C., White, C., Johnston-Dow, L., McGinnis, M., Krausa, P., Lakes, D. M., Wolf, J. L., Blume, K. G., Parham, P.
  1997; 3 (5): 255-260

- **Natural killer cells, HLA class I molecules, and marrow transplantation.** *Biology of blood and marrow transplantation*
  Valiante, N. M., Parham, P.
  1997; 3 (5): 229-235

- **Filling in the blanks** *TISSUE ANTIGENS*
  Parham, P.
  1997; 50 (4): 318-321

- **Episodic evolution and turnover of HLA-B in the indigenous human populations of the Americas** *TISSUE ANTIGENS*
  Parham, P., Arnett, K. L., Adams, E. J., Little, A. M., Tees, K., Barber, L. D., Marsh, S. G., Ohta, T., Markow, T., PETZLERLER, M. L.
  1997; 50 (3): 219-232

- **Interactions of HLA-B*4801 with peptide and CD8** *TISSUE ANTIGENS*
  MARTINEZNAVES, E., Barber, L. D., Madrigal, J. A., Vullo, C. M., CLAYBERGER, C., Lyu, S. C., Williams, R. C., Gorodezky, C., Markow, T., PETZLERLER, M. L., Parham, P.
  1997; 50 (3): 258-264

- **A new HLA-B44 variant (B44BO [B*4408]) identified by serology** *TISSUE ANTIGENS*
  Darke, C., Street, J., FUSSELL, H., Thomas, M., Guttridge, M., Goldberg, T. E., Arnett, K. L., Parham, P.

1997; 50 (1): 32-37

- **Natural inactivation of a common HLA allele (A*2402) has occurred on at least three separate occasions** *JOURNAL OF IMMUNOLOGY*
  Magor, K. E., Taylor, E. J., Shen, S. Y., MARTINEZNAVES, E., Valiante, N. M., WELLS, R. S., Gumperz, J. E., Adams, E. J., Little, A. M., Williams, F., Middleton, D., Gao, X. J., McCluskey, et al
  1997; 158 (11): 5242-5250

- **Conserved and variable residues within the Bw4 motif of HLA-B make separable contributions to recognition by the NKB1 killer cell-inhibitory receptor** *JOURNAL OF IMMUNOLOGY*
  Gumperz, J. E., Barber, L. D., Valiante, N. M., Percival, L., Phillips, J. H., Lanier, L. L., Parham, P.
  1997; 158 (11): 5237-5241

- **HLA class I genotyping by cDNA sequence of a Vietnamese family expressing a weak B46 antigen** *TISSUE ANTIGENS*
  Tzeng, C. M., Percival, L., Barber, L. D., Cooper, S., Adams, E. J., Stewart, D., Parham, P.
  1997; 49 (5): 519-522

- **Nomenclature for factors of the HLA system, 1996** *TISSUE ANTIGENS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., Charron, D., DuPont, B., Erlich, H. A., FAUCHET, R., Mach, B., Mayr, W. R., Parham, P., Sasazuki, et al
  1997; 49 (3): 297-321

- **Events in the adaptation of natural killer cell receptors to MHC class I polymorphisms** *RESEARCH IN IMMUNOLOGY*
  Parham, P.
  1997; 148 (3): 190-194

- **Putting a hold on 'HLA-H'** *NATURE GENETICS*
  Bodmer, J. G., Parham, P., Albert, E. D., Marsh, S. G.
  1997; 15 (3): 234-235

- **Polymorphism in the alpha(1) helix of the HLA-B heavy chain can have an overriding influence on peptide-binding specificity** *JOURNAL OF IMMUNOLOGY*
  Barber, L. D., Percival, L., Arnett, K. L., Gumperz, J. E., Chen, L., Parham, P.
  1997; 158 (4): 1660-1669

- **Killer cell receptors: Keeping pace with MHC class I evolution** *IMMUNOLOGICAL REVIEWS*
  Valiante, N. M., LIENERT, K., Shilling, H. G., Smits, B. J., Parham, P.
  1997; 155: 155-164

- **Assignment of TCF1, TGM1, CALM1, CKB, THBS1, B2M, and FES in Ateles paniscus chamek (Platyrrhini, Primates)** *CYTOGENETICS AND CELL GENETICS*
  Moreira, M. A., CANAVEZ, F., Parham, P., Seuanez, H. N.
  1997; 79 (1-2): 92-96

- **Cw*1701 defines a divergent African HLA-C allelic lineage** *IMMUNOGENETICS*
  WELLS, R. S., Seielstad, M. T., Bunce, M., Tyan, D. B., Bekele, E., Parham, P.
  1997; 46 (3): 173-180

- **Presentation of HLA class I-derived peptides: Potential involvement in allorecognition and HLA-B27-associated arthritis** *IMMUNOLOGICAL REVIEWS*
  Parham, P.
  1996; 154: 137-154

- **Killer cell inhibitory receptor recognition of human leukocyte antigen (HLA) class I blocks formation of a pp36/PLC-gamma signaling complex in human natural killer (NK) cells** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Valiante, N. M., Phillips, J. H., Lanier, L. L., Parham, P.
  1996; 184 (6): 2243-2250

- **Pictures of MHC restriction** *NATURE*
  Parham, P.
  1996; 384 (6605): 109-110

- **A novel recombinant HLA-B*39 allele (B*3910) in a South African Zulu** *TISSUE ANTIGENS*
  WELLS, R. S., Parham, P.
  1996; 48 (5): 595-597
- **Functions for MHC class I carbohydrates inside and outside the cell** *TRENDS IN BIOCHEMICAL SCIENCES*
  Parham, P.
  1996; 21 (11): 427-433
- **Specificity of two anti-class I HLA monoclonal antibodies that block class I recognition by the NKB1 killer cell inhibitory receptor.** *Tissue antigens*
  Gumperz, J. E., Paterson, J. C., Litwin, V., VALIANTE, N., Lanier, L. L., Parham, P., Little, A. M.
  1996; 48 (4): 278-284
- **Peptides bound endogenously by HLA-Cw*0304 expressed in LCL 721.221 cells include a peptide derived from HLA-E** *TISSUE ANTIGENS*
  Tzeng, C. M., Adams, E. J., Gumperz, J. E., Percival, L., WELLS, R. S., Parham, P., Barber, L. D.
  1996; 48 (4-I): 325-328
- **Specificity of two anti-class I HLA monoclonal antibodies that block class I recognition by the NKB1 killer cell inhibitory receptor** *TISSUE ANTIGENS*
  Gumperz, J. E., Paterson, J. C., Litwin, V., VALIANTE, N., Lanier, L. L., Parham, P., Little, A. M.
  1996; 48 (4-I): 278-284
- **Peptides bound endogenously by HLA-Cw*0304 expressed in LCL 721.221 cells include a peptide derived from HLA-E.** *Tissue antigens*
  Tzeng, C. M., Adams, E. J., Gumperz, J. E., Percival, L., WELLS, R. S., Parham, P., Barber, L. D.
  1996; 48 (4): 325-328
- **Response: peopling the americas.** *Science*
  Parham, P.
  1996; 273 (5276): 724-725
- **The inter-locus recombinant HLA-B*4601 has high selectivity in peptide binding and functions characteristic of HLA-C** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Barber, L. D., Percival, L., Valiante, N. M., Chen, L., Lee, C., Gumperz, J. E., Phillips, J. H., Lanier, L. L., BIGGE, J. C., Parekh, R. B., Parham, P.
  1996; 184 (2): 735-740
- **CD94 and a novel associated protein (94AP) form a NK cell receptor involved in the recognition of HLA-A, HLA-B, and HLA-C allotypes** *IMMUNITY*
  Phillips, J. H., Chang, C. W., Mattson, J., Gumperz, J. E., Parham, P., Lanier, L. L.
  1996; 5 (2): 163-172
- **Evolution of MHC class I genes in higher primates** *IMMUNOLOGY AND CELL BIOLOGY*
  LIENERT, K., Parham, P.
  1996; 74 (4): 349-356
- **HLA-C typing of eleven Papua New Guineans: Identification of an HLA-Cw4/Cw2 hybrid allele** *TISSUE ANTIGENS*
  Little, A. M., Mason, A., Marsh, S. G., Parham, P.
  1996; 48 (2): 113-117
- **Immunology: Keeping mother at bay** *CURRENT BIOLOGY*
  Parham, P.
  1996; 6 (6): 638-641
- **Characterization of the peptide-binding specificity of HLA-B*7301** *TISSUE ANTIGENS*
  Barber, L. D., Percival, L., Parham, P.
  1996; 47 (6): 472-477
- **On the sequence of A*3101** *TISSUE ANTIGENS*
  Arnett, K. L., Adams, E. J., Parham, P.
  1996; 47 (5): 428-430

- **The presence of HLA-A*2403 and HLA-B*1512 on the same haplotype in a Thai family** *TISSUE ANTIGENS*
  Chandanayingyong, D., Adams, E. J., Arnett, K. L., Hildebrand, W. H., Parham, P., Lau, M.
  1996; 47 (5): 426-427
- **Unusual uniformity of the N-linked oligosaccharides of HLA-A, -B, and -C glycoproteins** *JOURNAL OF IMMUNOLOGY*
  Barber, L. D., Patel, T. P., Percival, L., Gumperz, J. E., Lanier, L. L., Phillips, J. H., BIGGE, J. C., Wormald, M. R., Parekh, R. B., Parham, P.
  1996; 156 (9): 3275-3284
- **HLA-A*2607: Sequence of a novel A*26 subtype predicted by DNA typing which shares the MA2.1 epitope with A*02, B*57 and B*58** *TISSUE ANTIGENS*
  Arnett, K. L., Moses, J. H., Williams, F., Marsh, S. G., Bodmer, J. G., Parham, P., Middleton, D.
  1996; 47 (5): 422-425
- **Population biology of antigen presentation by MHC class I molecules** *SCIENCE*
  Parham, P., Ohta, T.
  1996; 272 (5258): 67-74
- **Unexpected beta(2)-microglobulin sequence diversity in individual rainbow trout** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Shum, B. P., Azumi, K., Zhang, S. W., Kehrer, S. R., Raison, R. L., Detrich, H. W., Parham, P.
  1996; 93 (7): 2779-2784
- **Patr-A and B, the orthologues of HLA-A and b, present hepatitis C virus epitopes to CD8(+) cytotoxic T cells from two chronically infected chimpanzees** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Kowalski, H., Erickson, A. L., Cooper, S., DOMENA, J. D., Parham, P., Walker, C. M.
  1996; 183 (4): 1761-1775
- **Heterogeneous phenotypes of expression of the NKB1 natural killer cell class I receptor among individuals of different human histocompatibility leukocyte antigens types appear genetically regulated, but not linked to major histocompatibility complex haplotype** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Gumperz, J. E., Valiante, N. M., Parham, P., Lanier, L. L., Tyan, D.
  1996; 183 (4): 1817-1827
- **The presentation of a hepatitis C viral peptide by distinct major histocompatibility complex class I allotypes from two chimpanzee species** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Cooper, S., Kowalski, H., Erickson, A. L., Arnett, K., Little, A. M., Walker, C. M., Parham, P.
  1996; 183 (2): 663-668
- **NK cells and CTL: Opposite sides of the same coin** *MOLECULAR BASIS OF NK CELL RECOGNITION AND FUNCTION*
  Valiante, N. M., Parham, P.
  1996; 64: 146-163
- **B27 polymorphism and peptide repertoire** *2nd Conference on the Pathogenetic Role of HLA-B27/7th Bertine Koperberg Conference*
  Parham, P.
  SPRINGER.1996: 72–73
- **THE ENIGMA OF THE NATURAL-KILLER-CELL** *NATURE*
  Gumperz, J. E., Parham, P.
  1995; 378 (6554): 245-248
- **Three new HLA-B alleles found in Mexican-Americans** *TISSUE ANTIGENS*
  Adams, E. J., Little, A. M., Arnett, K. L., MCAULEY, J. E., Williams, R. C., Parham, P.
  1995; 46 (5): 414-416
- **HOMOGENEITY OF ALLELIC SEQUENCE FOR SEROLOGICAL VARIANTS OF HLA-B53** *TISSUE ANTIGENS*
  Adams, E. J., Scott, I., Shah, A., Arnett, K. L., Marsh, S. G., Madrigal, J. A., Parham, P.
  1995; 46 (4): 330-332
- **EXPRESSION OF AN UNUSUAL BW4 EPITOPE BY A SUBTYPE OF HLA-B8 [B-ASTERISK-0802]** *TISSUE ANTIGENS*
  Arnett, K. L., Adams, E. J., Gumperz, J. E., Darke, C., Marsh, S. G., Gelsthorpe, K., Parham, P.

1995; 46 (4): 316-321

- **HLA class I nucleotide sequences, 1995.** *Tissue antigens*
  Arnett, K. L., Parham, P.
  1995; 46 (3): 217-257

- **Identification of a novel HLA-B40 allele (B*4008) in a patient with leukemia.** *Tissue antigens*
  Adams, E. J., Little, A. M., Arnett, K. L., Leushner, J., Parham, P.
  1995; 46 (3): 204-205

- **AMINO-ACID SUBSTITUTIONS CAN INFLUENCE THE NATURAL-KILLER (NK)-MEDIATED RECOGNITION OF HLA-C MOLECULES - POLE OF SERINE-77 AND LYSINE-80 IN THE TARGET-CELL PROTECTION FROM LYSIS MEDIATED BY GROUP-2 OR GROUP-1 NK CLONES** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Biassoni, R., Falco, M., Cambiaggi, A., Costa, P., Verdiani, S., Pende, D., Conte, R., DiDonato, C., Parham, P., Moretta, L.
  1995; 182 (2): 605-609

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1995** *EUROPEAN JOURNAL OF IMMUNOGENETICS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., Charron, D., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, et al
  1995; 22 (4): 335-360

- **ON THE NUCLEOTIDE-SEQUENCES OF B-ASTERISK-2702 AND B-ASTERISK-2705** *TISSUE ANTIGENS*
  Moses, J. H., Marsh, S. G., Arnett, K. L., Adams, E. J., Bodmer, J. G., Parham, P.
  1995; 46 (1): 50-53

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1995** *TISSUE ANTIGENS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., Charron, D., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, et al
  1995; 46 (1): 1-18

- **ANTIGEN PRESENTATION BY CLASS-I MAJOR HISTOCOMPATIBILITY COMPLEX-MOLECULES - A CONTEXT FOR THINKING ABOUT HLA-G** *AMERICAN JOURNAL OF REPRODUCTIVE IMMUNOLOGY*
  Parham, P.
  1995; 34 (1): 10-19

- **EVOLUTIONARY IMMUNOLOGY - A BOOST TO IMMUNITY FROM NURSE SHARKS** *CURRENT BIOLOGY*
  Parham, P.
  1995; 5 (7): 696-699

- **LOW HLA-C EXPRESSION AT CELL-SURFACES CORRELATES WITH INCREASED TURNOVER OF HEAVY-CHAIN MESSENGER-RNA** *JOURNAL OF EXPERIMENTAL MEDICINE*
  McCutcheon, J. A., Gumperz, J., Smith, K. D., Lutz, C. T., Parham, P.
  1995; 181 (6): 2085-2095

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1995** *HUMAN IMMUNOLOGY*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., Charron, D., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, et al
  1995; 43 (2): 149-?

- **DISSOCIATION OF BETA(2)-MICROGLOBULIN FROM HLA CLASS-I HEAVY-CHAINS CORRELATES WITH ACQUISITION OF EPITOPES IN THE CYTOPLASMIC TAIL** *JOURNAL OF IMMUNOLOGY*
  Little, A. M., Nossner, E., Parham, P.
  1995; 154 (10): 5205-5215

- **DEFINITION OF A NEW HLA-B7 SUBTYPE (B-ASTERISK-0704) BY ISOELECTRIC-FOCUSING, FAMILY STUDIES AND DNA-SEQUENCE ANALYSIS** *TISSUE ANTIGENS*
  Kubens, B. S., Arnett, K. L., Adams, E. J., Parham, P., GrosseWilde, H.
  1995; 45 (5): 322-327

- **SUPERANTIGEN-DEPENDENT, CELL-MEDIATED CYTOTOXICITY INHIBITED BY MHC CLASS-I RECEPTORS ON T-LYMPHOCYTES** *SCIENCE*
  Phillips, J. H., Gumperz, J. E., Parham, P., Lanier, L. L.

1995; 268 (5209): 403-405

- **THE NKB1 AND HP-3E4 NK CELL RECEPTORS ARE STRUCTURALLY DISTINCT GLYCOPROTEINS AND INDEPENDENTLY RECOGNIZE POLYMORPHIC HLA-B AND HLA-C MOLECULES** *JOURNAL OF IMMUNOLOGY*
  Lanier, L. L., Gumperz, J. E., Parham, P., Melero, I., LOPEZBOTET, M., Phillips, J. H.
  1995; 154 (7): 3320-3327

- **ANTIBODY STRUCTURE - THE DUCKS DILEMMA** *NATURE*
  Parham, P.
  1995; 374 (6517): 16-17

- **THE BW4 PUBLIC EPITOPE OF HLA-B MOLECULES CONFERS REACTIVITY WITH NATURAL-KILLER-CELL CLONES THAT EXPRESS NKB1, A PUTATIVE HLA RECEPTOR** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Gumperz, J. E., Litwin, V., Phillips, J. H., Lanier, L. L., Parham, P.
  1995; 181 (3): 1133-1144

- **THE HLA-A,B,C GENOTYPE OF THE CLASS-I NEGATIVE CELL-LINE DAUDI REVEALS NOVEL HLA-A AND HLA-B ALLELES** *TISSUE ANTIGENS*
  Browning, M. J., Madrigal, J. A., Krausa, P., Kowalski, H., Allsopp, C. E., Little, A. M., Turner, S., Adams, E. J., Arnett, K. L., Bodmer, W. F., Bodmer, J. G., Parham, P.
  1995; 45 (3): 177-187

- **THE INTERACTION OF CALMODULIN WITH CLATHRIN-COATED VESICLES, TRISKELIONS, AND LIGHT-CHAINS - LOCALIZATION OF A BINDING-SITE** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  PLEY, U. M., Hill, B. L., Alibert, C., Brodsky, F. M., Parham, P.
  1995; 270 (5): 2395-2402

- **THE ORIGINS OF HLA-A,B,C POLYMORPHISM** *IMMUNOLOGICAL REVIEWS*
  Parham, P., Adams, E. J., Arnett, K. L.
  1995; 143: 141-180

- **OVERLAP IN THE REPERTOIRES OF PEPTIDES BOUND IN-VIVO BY A GROUP OF RELATED CLASS-I HLA-B ALLOTYPES** *CURRENT BIOLOGY*
  Barber, L. D., GILLECECASTRO, B., Percival, L., Li, X. B., CLAYBERGER, C., Parham, P.
  1995; 5 (2): 179-190

- **HLA-B16 ANTIGENS - SEQUENCE OF THE ST-16 ANTIGEN, FURTHER DEFINITION OF 2 B38 SUBTYPES AND EVIDENCE FOR CONVERGENT EVOLUTION OF B-ASTERISK-3902** *TISSUE ANTIGENS*
  Adams, E. J., MARTINEZNAVES, E., Arnett, K. L., Little, A. M., Tyan, D. B., Parham, P.
  1995; 45 (1): 18-26

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1995** *VOX SANGUINIS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., Bontrop, R. E., Charron, D., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, et al
  1995; 69 (4): 359-372

- **SPECIES-SPECIFIC DIFFERENCES IN CHAPERONE INTERACTION OF HUMAN AND MOUSE MAJOR HISTOCOMPATIBILITY COMPLEX CLASS-I MOLECULES** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Nossner, E., Parham, P.
  1995; 181 (1): 327-337

- **The rise and fall of great class I genes.** *Seminars in immunology*
  Parham, P.
  1994; 6 (6): 373-382

- **CHROMOSOMAL LOCATION AND SOME STRUCTURAL FEATURES OF HUMAN CLATHRIN LIGHT-CHAIN GENES (CLTA AND CLTB)** *GENOMICS*
  Ponnambalam, S., Jackson, A. P., LEBEAU, M. M., PRAVTCHEVA, D., Ruddle, F. H., Alibert, C., Parham, P.
  1994; 24 (3): 440-444

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1994** *EUROPEAN JOURNAL OF IMMUNOGENETICS*

Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
1994; 21 (6): 485-517

- **STRUCTURE OF A NOVEL SUBTYPE OF B7 (B-ASTERISK-0705) ISOLATED FROM A CHINESE INDIVIDUAL** *TISSUE ANTIGENS*
  Arnett, K. L., Adams, E. J., DOMENA, J. D., Parham, P.
  1994; 44 (5): 318-321

- **THE ESSENCE OF EPITOPES** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Barber, L. D., Parham, P.
  1994; 180 (4): 1191-1194

- **A SMALL TEST OF A SEQUENCE-BASED TYPING METHOD - DEFINITION OF THE B-ASTERISK-1520 ALLELE** *TISSUE ANTIGENS*
  DOMENA, J. D., Little, A. M., Arnett, K. L., Adams, E. J., Marsh, S. G., Parham, P.
  1994; 44 (4): 217-224

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1994** *HUMAN IMMUNOLOGY*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1994; 41 (1): 1-20

- **PEPTIDES CORRESPONDING TO THE CD8 AND CD4 BINDING DOMAINS OF HLA MOLECULES BLOCK T-LYMPHOCYTE IMMUNE-RESPONSES IN-VITRO** *JOURNAL OF IMMUNOLOGY*
  CLAYBERGER, C., Lyu, S. C., DeKruyff, R., Parham, P., KRENSKY, A. M.
  1994; 153 (3): 946-951

- **NKB1 - A NATURAL-KILLER-CELL RECEPTOR INVOLVED IN THE RECOGNITION OF POLYMORPHIC HLA-B MOLECULES** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Litwin, V., Gumperz, J., Parham, P., Phillips, J. H., Lanier, L. L.
  1994; 180 (2): 537-543

- **THE HLA-B7QUI ANTIGEN IS ENCODED BY A NEW SUBTYPE OF HLA-B27 (B-ASTERISK-2708)** *TISSUE ANTIGENS*
  Hildebrand, W. H., DOMENA, J. D., Shen, S. Y., Marsh, S. G., Bunce, M., Guttridge, M. G., Darke, C., Parham, P.
  1994; 44 (1): 47-51

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1994** *TISSUE ANTIGENS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1994; 44 (1): 1-18

- **ALLOANTIBODIES CAN DISCRIMINATE 3 POPULATIONS OF HLA-B40 MOLECULES ENCODED BY B-ASTERISK-4002** *TISSUE ANTIGENS*
  DOMENA, J. D., Arnett, K. L., Marsh, S. G., Bodmer, J. G., Parham, P.
  1994; 44 (1): 57-58

- **ASHI Rose Payne Lecture. Of Payne, polymorphism, and populations.** *Human immunology*
  Parham, P.
  1994; 40 (2): 77-92

- **T-CELL SELECTION - ACCENTUATING THE POSITIVE** *CURRENT BIOLOGY*
  Parham, P.
  1994; 4 (5): 444-447

- **THE HLA-B73 ANTIGEN HAS A MOST UNUSUAL STRUCTURE THAT DEFINES A 2ND LINEAGE OF HLA-B ALLELES** *TISSUE ANTIGENS*
  Parham, P., Arnett, K. L., Adams, E. J., Barber, L. D., DOMENA, J. D., Stewart, D., Hildebrand, W. H., Little, A. M.
  1994; 43 (5): 302-313

- **HLA-B15 - A WIDESPREAD AND DIVERSE FAMILY OF HLA-B ALLELES** *TISSUE ANTIGENS*
  Hildebrand, W. H., DOMENA, J. D., Shen, S. Y., Lau, M., Terasaki, P. I., Bunce, M., Marsh, S. G., Guttridge, M. G., BIAS, W. B., Parham, P.
  1994; 43 (4): 209-218

- **HLA-B67 - A MEMBER OF THE HLA-B16 FAMILY THAT EXPRESSES THE ME1 EPITOPE** *TISSUE ANTIGENS*

Little, A. M., DOMENA, J. D., Hildebrand, W. H., Shen, S. Y., Barber, L. D., Marsh, S. G., BIAS, W. B., Parham, P.
1994; 43 (1): 38-43

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1994** *VOX SANGUINIS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1994; 67 (4): 412-430

- **FUNCTIONAL POLYMORPHISM IN CLASS-I MAJOR HISTOCOMPATIBILITY COMPLEX GENES** *47th Annual Symposium of the Society-of-General-Physiologists: Molecular Evolution of Physiological Processes*
  Parham, P.
  ROCKEFELLER UNIV PRESS.1994: 93–103

- **STRUCTURAL HETEROGENEITY IN HLA-B70, A HIGH-FREQUENCY ANTIGEN OF BLACK POPULATIONS** *TISSUE ANTIGENS*
  DOMENA, J. D., Little, A. M., Madrigal, A. J., Hildebrand, W. H., JOHNSTONDOW, L., Dutoit, E., BIAS, W. B., Parham, P.
  1993; 42 (5): 509-517

- **SPECIFICITY OF HLA CLASS-I ANTIGEN RECOGNITION BY HUMAN NK CLONES - EVIDENCE FOR CLONAL HETEROGENEITY, PROTECTION BY SELF AND NON-SELF ALLELES, AND INFLUENCE OF THE TARGET-CELL TYPE** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Litwin, V., Gumperz, J., Parham, P., Phillips, J. H., Lanier, L. L.
  1993; 178 (4): 1321-1336

- **A sixth family of HLA-A alleles defined by HLA-A*8001.** *Tissue antigens*
  DOMENA, J. D., Hildebrand, W. H., BIAS, W. B., Parham, P.
  1993; 42 (3): 156-159

- **ALTERATION OF CLATHRIN LIGHT-CHAIN EXPRESSION BY TRANSFECTION AND GENE DISRUPTION** *MOLECULAR BIOLOGY OF THE CELL*
  Acton, S. L., Wong, D. H., Parham, P., Brodsky, F. M., Jackson, A. P.
  1993; 4 (6): 647-660

- **Disease resistance: good news from Gambia.** *Current biology*
  Parham, P.
  1993; 3 (4): 223-225

- **PRIMARY STRUCTURE SHOWS HLA-B59 TO BE A HYBRID OF HLA-B55 AND HLA-B51, AND NOT A SUBTYPE OF HLA-B8** *TISSUE ANTIGENS*
  Hildebrand, W. H., DOMENA, J. D., Parham, P.
  1993; 41 (4): 190-195

- **B-ASTERISK-1401 ENCODES THE B64 ANTIGEN - THE B64 AND B65 SPLITS OF B14 DIFFER ONLY AT RESIDUE-11, A BURIED AMINO-ACID** *TISSUE ANTIGENS*
  DOMENA, J. D., Azumi, K., BIAS, W. B., Parham, P.
  1993; 41 (2): 110-111

- **POSITION 71 IN THE ALPHA HELIX OF THE DR-BETA DOMAIN IS PREDICTED TO INFLUENCE PEPTIDE BINDING AND PLAYS A CENTRAL ROLE IN ALLORECOGNITION** *EUROPEAN JOURNAL OF IMMUNOLOGY*
  COPPIN, H. L., Carmichael, P., Lombardi, G., LFAQIHI, F. E., Salter, R., Parham, P., Lechler, R. I., DEPREVAL, C.
  1993; 23 (2): 343-349

- **STRUCTURAL DIVERSITY IN THE HLA-A10 FAMILY OF ALLELES - CORRELATIONS WITH SEROLOGY** *TISSUE ANTIGENS*
  Madrigal, J. A., Hildebrand, W. H., Belich, M. P., Benjamin, R. J., Little, A. M., ZEMMOUR, J., Ennis, P. D., Ward, F. E., PETZLERLER, M. L., duToit, E. D., Parham, P.
  1993; 41 (2): 72-80

- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1992** *EUROPEAN JOURNAL OF IMMUNOGENETICS*
  ZEMMOUR, J., Parham, P.
  1993; 20 (1): 29-45

- **PEPTIDES CORRESPONDING TO THE CD8 BINDING REGION OF HLA CLASS-I BLOCK THE DIFFERENTIATION OF CYTOTOXIC LYMPHOCYTE-T PRECURSORS** *JEAN HAMBURGER MEMORIAL CONGRESS / 14TH INTERNATIONAL CONGRESS OF THE TRANSPLANTATION SOC*
  KRENSKY, A. M., Lyu, S. C., Pouletty, P., Benjamin, R., Parham, P., CLAYBERGER, C.
  ELSEVIER SCIENCE INC.1993: 483–84

- **HLA, ANTHROPOLOGY, AND TRANSPLANTATION** *JEAN HAMBURGER MEMORIAL CONGRESS / 14TH INTERNATIONAL CONGRESS OF THE TRANSPLANTATION SOC*
  Parham, P.
  ELSEVIER SCIENCE INC.1993: 159–61

- **CLATHRIN - ITS ROLE IN RECEPTOR-MEDIATED VESICULAR TRANSPORT AND SPECIALIZED FUNCTIONS IN NEURONS** *CRITICAL REVIEWS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY*
  Pley, U., Parham, P.
  1993; 28 (5): 431-464

- **NONHUMAN PRIMATE MHC CLASS-I SEQUENCES, 1992** *IMMUNOGENETICS*
  Watkins, D. I., ZEMMOUR, J., Parham, P.
  1993; 37 (5): 317-330

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1991** *IMMUNOBIOLOGY*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1993; 187 (1-2): 51-69

- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1992** *IMMUNOBIOLOGY*
  ZEMMOUR, J., Parham, P.
  1993; 187 (1-2): 70-101

- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1992** *IMMUNOGENETICS*
  ZEMMOUR, J., Parham, P.
  1993; 37 (4): 239-250

- **PEPTIDE BINDING TO MAJOR HISTOCOMPATIBILITY COMPLEX-MOLECULES** *ANNUAL REVIEW OF CELL BIOLOGY*
  Barber, L. D., Parham, P.
  1993; 9: 163-206

- **SEROLOGIC CROSS-REACTIVITIES POORLY REFLECT ALLELIC RELATIONSHIPS IN THE HLA-B12 AND HLA-B21 GROUPS - DOMINANT EPITOPES OF THE ALPHA-2 HELIX** *JOURNAL OF IMMUNOLOGY*
  Hildebrand, W. H., Madrigal, J. A., Belich, M. P., ZEMMOUR, J., Ward, F. E., Williams, R. C., Parham, P.
  1992; 149 (11): 3563-3568

- **DISTINCTIVE HLA-A,B ANTIGENS OF BLACK POPULATIONS FORMED BY INTERALLELIC CONVERSION** *JOURNAL OF IMMUNOLOGY*
  Madrigal, J. A., Belich, M. P., Hildebrand, W. H., Benjamin, R. J., Little, A. M., ZEMMOUR, J., Ennis, P. D., Ward, F. E., PETZLERLER, M. L., duToit, E. D., Parham, P.
  1992; 149 (10): 3411-3415

- **A RIBOSOMAL PROTEIN-LIKE SEQUENCE IN THE 3' UL-TRANSLATED REGION OF THE HLA-F GENE** *TISSUE ANTIGENS*
  ZEMMOUR, J., Parham, P.
  1992; 40 (5): 250-253

- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1992** *TISSUE ANTIGENS*
  ZEMMOUR, J., Parham, P.
  1992; 40 (5): 221-228

- **The B*4002 allele encodes the B61 antigen: B40* is identical to B61.** *Tissue antigens*
  DOMENA, J. D., Johnston-Dow, L., Parham, P.
  1992; 40 (5): 254-256

- **DISTINCTIVE POLYMORPHISM AT THE HLA-C LOCUS - IMPLICATIONS FOR THE EXPRESSION OF HLA-C** *JOURNAL OF EXPERIMENTAL MEDICINE*

ZEMMOUR, J., Parham, P.
1992; 176 (4): 937-950

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1991** *EUROPEAN JOURNAL OF IMMUNOGENETICS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., THSCHREUDER, G. M., STROMINGER, J. L., Svejgaard, et al
  1992; 19 (5): 327-344

- **2 SUBTYPES OF HLA-B51 DIFFERING BY SUBSTITUTION AT POSITION-171 OF THE ALPHA-2 HELIX** *IMMUNOGENETICS*
  Kawaguchi, G., Hildebrand, W. H., Hiraiwa, M., Karaki, S., Nagao, T., Akiyama, N., Uchida, H., Kashiwase, K., Akaza, T., Williams, R. C., Juji, T., Parham, P., Takiguchi, et al
  1992; 37 (1): 57-63

- **POLYMORPHIC SPECIFICITY OF Q1/28, A MONOCLONAL-ANTIBODY THAT PREFERENTIALLY REACTS WITH FREE CLASS-I HEAVY-CHAINS** *IMMUNOGENETICS*
  Benjamin, R. J., Abrams, J. R., Parnes, J. R., Madrigal, J. A., Parham, P.
  1992; 37 (1): 73-76

- **TYPING FOR CLASS-I HLA POLYMORPHISM - PAST, PRESENT, AND FUTURE** *EUROPEAN JOURNAL OF IMMUNOGENETICS*
  Parham, P.
  1992; 19 (5): 347-359

- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1992** *HUMAN IMMUNOLOGY*
  ZEMMOUR, J., Parham, P.
  1992; 34 (4): 225-241

- **HLA-J, A 2ND INACTIVATED CLASS-I HLA GENE RELATED TO HLA-G AND HLA-A - IMPLICATIONS FOR THE EVOLUTION OF THE HLA-A-RELATED GENES** *JOURNAL OF IMMUNOLOGY*
  Messer, G., ZEMMOUR, J., Orr, H. T., Parham, P., Weiss, E. H., Girdlestone, J.
  1992; 148 (12): 4043-4053

- **STRUCTURE OF CD8-ALPHA-CHAIN AND BETA-CHAIN OF THE ORANGUTAN - NOVEL PATTERNS OF MESSENGER-RNA SPLICING ENCODING HINGELESS POLYPEPTIDES** *IMMUNOGENETICS*
  Lawlor, D. A., Parham, P.
  1992; 36 (2): 121-125

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1991** *IMMUNOGENETICS*
  Bodmer, J. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Marsh, S. G., Mayr, W. R., Parham, P., SASASUKI, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1992; 36 (3): 135-148

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1991** *EUROPEAN JOURNAL OF IMMUNOGENETICS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1992; 19 (3): 95-119

- **REPTILIAN CLASS-I MAJOR HISTOCOMPATIBILITY COMPLEX GENES REVEAL CONSERVED ELEMENTS IN CLASS-I STRUCTURE** *IMMUNOGENETICS*
  GROSSBERGER, D., Parham, P.
  1992; 36 (3): 166-174

- **UNUSUAL HLA-B ALLELES IN 2 TRIBES OF BRAZILIAN INDIANS** *NATURE*
  Belich, M. P., Madrigal, J. A., Hildebrand, W. H., ZEMMOUR, J., Williams, R. C., LUZ, R., PETZLERLER, M. L., Parham, P.
  1992; 357 (6376): 326-329

- **THE MOLECULAR-BASIS FOR REACTIVITY OF ANTI-CW1 AND ANTI-CW3 ALLOANTISERA WITH HLA-B46 HAPLOTYPES** *TISSUE ANTIGENS*
  ZEMMOUR, J., Gumperz, J. E., Hildebrand, W. H., Ward, F. E., Marsh, S. G., Williams, R. C., Parham, P.
  1992; 39 (5): 249-257

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1991** *HUMAN IMMUNOLOGY*

Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
1992; 34 (1): 4-18

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1991** *TISSUE ANTIGENS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1992; 39 (4): 161-173

- **Nomenclature for factors of the HLA system, 1991. WHO Nomenclature Committee for factors of the HLA system.** *Tissue antigens*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T.
  1992; 39 (4): 161-173

- **THE HLA-A,B NEGATIVE MUTANT-CELL LINE C1R EXPRESSES A NOVEL HLA-B35 ALLELE, WHICH ALSO HAS A POINT MUTATION IN THE TRANSLATION INITIATION CODON** *JOURNAL OF IMMUNOLOGY*
  ZEMMOUR, J., Little, A. M., Schendel, D. J., Parham, P.
  1992; 148 (6): 1941-1948

- **ANCHORING POCKETS IN HUMAN HISTOCOMPATIBILITY COMPLEX LEUKOCYTE ANTIGEN (HLA) CLASS-I MOLECULES - ANALYSIS OF THE CONSERVED B-(45)-POCKET OF HLA-B27** *JOURNAL OF EXPERIMENTAL MEDICINE*
  BUXTON, S. E., Benjamin, R. J., CLAYBERGER, C., Parham, P., KRENSKY, A. M.
  1992; 175 (3): 809-820

- **HLA-BW22 - A FAMILY OF MOLECULES WITH IDENTITY TO HLA-B7 IN THE ALPHA-1-HELIX** *JOURNAL OF IMMUNOLOGY*
  Hildebrand, W. H., Madrigal, J. A., Little, A. M., Parham, P.
  1992; 148 (4): 1155-1162

- **HLA-B27 AND DISEASE - A CONSEQUENCE OF INADVERTENT ANTIGEN PRESENTATION** *RHEUMATIC DISEASE CLINICS OF NORTH AMERICA*
  Benjamin, R., Parham, P.
  1992; 18 (1): 11-21

- **MOLECULAR DEFINITION OF AN ELUSIVE 3RD HLA-A9 MOLECULE - HLA-A9.3** *IMMUNOGENETICS*
  Little, A. M., Madrigal, J. A., Parham, P.
  1992; 35 (1): 41-45

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1991** *VOX SANGUINIS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1992; 63 (2): 142-157

- **GORILLA CLASS-I MAJOR HISTOCOMPATIBILITY COMPLEX ALLELES - COMPARISON TO HUMAN AND CHIMPANZEE CLASS-I** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Lawlor, D. A., Warren, E., Taylor, P., Parham, P.
  1991; 174 (6): 1491-1509

- **MOLECULAR DEFINITION OF A POLYMORPHIC ANTIGEN (LA45) OF FREE HLA-A AND HLA-B HEAVY-CHAINS FOUND ON THE SURFACES OF ACTIVATED B-CELL AND T-CELL** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Madrigal, J. A., Belich, M. P., Benjamin, R. J., Little, A. M., Hildebrand, W. H., Mann, D. L., Parham, P.
  1991; 174 (5): 1085-1095

- **THE HLA-BW75 SUBTYPE OF B15 - MOLECULAR CHARACTERIZATION AND COMPARISON WITH CROSS-REACTING ANTIGENS** *TISSUE ANTIGENS*
  Little, A. M., Parham, P.
  1991; 38 (4): 186-190

- **GENE CONVERSION IN THE EVOLUTION OF THE HUMAN AND CHIMPANZEE MHC CLASS I LOCI** *TISSUE ANTIGENS*
  Kuhner, M. K., Lawlor, D. A., Ennis, P. D., Parham, P.
  1991; 38 (4): 152-164

- **A STRESSFUL RELATIONSHIP** *TRENDS IN BIOCHEMICAL SCIENCES*

Parham, P.
1991; 16 (10): 357-358

- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1991** *EUROPEAN JOURNAL OF IMMUNOGENETICS*
  ZEMMOUR, J., Parham, P.
  1991; 18 (4): 279-289
- **Nomenclature for factors of the HLA system, 1990. WHO Committee for Factors of the HLA System.** *European journal of immunogenetics*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T.
  1991; 18 (4): 265-277
- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1991** *HUMAN IMMUNOLOGY*
  ZEMMOUR, J., Parham, P.
  1991; 31 (3): 195-206
- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1990** *HUMAN IMMUNOLOGY*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1991; 31 (3): 186-194
- **THE PROS AND CONS OF POLYMORPHISM - A BRIGHTER FUTURE FOR CHEETAHS** *INTERNATIONAL SYMP ON IR GENES : FROM BIOLOGY TO MEDICINE*
  Parham, P.
  EDITIONS SCIENTIFIQUES ELSEVIER.1991: 447–48
- **CLATHRIN LIGHT-CHAINS - ARRAYS OF PROTEIN MOTIFS THAT REGULATE COATED-VESICLE DYNAMICS** *TRENDS IN BIOCHEMICAL SCIENCES*
  Brodsky, F. M., Hill, B. L., Acton, S. L., Nathke, I., Wong, D. H., Ponnambalam, S., Parham, P.
  1991; 16 (6): 208-213
- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1991** *IMMUNOBIOLOGY*
  ZEMMOUR, J., Parham, P.
  1991; 182 (3-4): 347-367
- **CD8 INDEPENDENCE AND SPECIFICITY OF CYTOTOXIC LYMPHOCYTES-T RESTRICTED BY HLA-AW68.1** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
  Cerundolo, V., Tse, A. G., Salter, R. D., Parham, P., Townsend, A.
  1991; 244 (1310): 169-177
- **PEPTIDE BINDING TO EMPTY HLA-B27 MOLECULES OF VIABLE HUMAN-CELLS** *NATURE*
  Benjamin, R. J., Madrigal, J. A., Parham, P.
  1991; 351 (6321): 74-77
- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1991** *IMMUNOGENETICS*
  ZEMMOUR, J., Parham, P.
  1991; 33 (5-6): 310-320
- **HLA CLASS-I NUCLEOTIDE-SEQUENCES, 1991** *TISSUE ANTIGENS*
  ZEMMOUR, J., Parham, P.
  1991; 37 (4): 174-180
- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1990** *TISSUE ANTIGENS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1991; 37 (3): 97-104
- **ANCIENT HLA GENES FROM 7,500-YEAR-OLD ARCHAEOLOGICAL REMAINS** *NATURE*
  Lawlor, D. A., DICKEL, C. D., Hauswirth, W. W., Parham, P.
  1991; 349 (6312): 785-788

- **EVOLUTION OF CLASS-I MAJOR HISTOCOMPATIBILITY COMPLEX GENES AND MOLECULES IN HUMANS AND APES** *HUMAN IMMUNOLOGY*
  Parham, P., Lawlor, D. A.
  1991; 30 (2): 119-128

- **SOMATIC-CELL MAPPING OF BOVINE CLATHRIN LIGHT CHAIN GENES - IDENTIFICATION OF A NEW BOVINE SYNTENIC GROUP** *CYTOGENETICS AND CELL GENETICS*
  Gallagher, D. S., Threadgill, D. W., Jackson, A. P., Parham, P., Womack, J. E.
  1991; 56 (3-4): 154-156

- **Nomenclature for factors of the HLA system, 1990.** *Vox sanguinis*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T.
  1991; 61 (2): 147-155

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1990** *VOX SANGUINIS*
  Bodmer, J. G., Marsh, S. G., Albert, E. D., Bodmer, W. F., DuPont, B., Erlich, H. A., Mach, B., Mayr, W. R., Parham, P., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1991; 61 (2): 146-155

- **THE CALCIUM-BINDING SITE OF CLATHRIN LIGHT-CHAINS** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Nathke, I., Hill, B. L., Parham, P., Brodsky, F. M.
  1990; 265 (30): 18621-18627

- **UNCOATING PROTEIN (HSC70) BINDS A CONFORMATIONALLY LABILE DOMAIN OF CLATHRIN LIGHT CHAIN LCA TO STIMULATE ATP HYDROLYSIS** *CELL*
  DELUCAFLAHERTY, C., McKay, D. B., Parham, P., Hill, B. L.
  1990; 62 (5): 875-887

- **CYTOTOXIC T-CELL RECOGNITION OF AN ENDOGENOUS CLASS-I HLA PEPTIDE PRESENTED BY A CLASS-II HLA MOLECULE** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Chen, B. P., Madrigal, A., Parham, P.
  1990; 172 (3): 779-788

- **NEURON-SPECIFIC EXPRESSION OF HIGH-MOLECULAR-WEIGHT CLATHRIN LIGHT CHAIN** *JOURNAL OF NEUROSCIENCE*
  Wong, D. H., Ignatius, M. J., PAROSKY, G., Parham, P., Trojanowski, J. Q., Brodsky, F. M.
  1990; 10 (9): 3025-3031

- **APPARENT LACK OF MHC RESTRICTION IN BINDING OF CLASS-I HLA MOLECULES TO SOLID-PHASE PEPTIDES** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Chen, B. P., Rothbard, J., Parham, P.
  1990; 172 (3): 931-936

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1989** *HUMAN IMMUNOLOGY*
  Bodmer, J. G., Marsh, S. G., Parham, P., Erlich, H. A., Albert, E., Bodmer, W. F., DuPont, B., Mach, B., Mayr, W. R., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1990; 28 (3): 326-342

- **TOPOGRAPHIC MAP OF THE HLA-A2 CREG EPITOPES USING HUMAN ALLOANTIBODY PROBES** *HUMAN IMMUNOLOGY*
  Fuller, A. A., Trevithick, J. E., Rodey, G. E., Parham, P., Fuller, T. C.
  1990; 28 (3): 284-305

- **TOPOGRAPHIC MAP OF THE HLA-A2 CREG EPITOPES USING HUMAN ALLOANTIBODY PROBES** *HUMAN IMMUNOLOGY*
  Fuller, A. A., Trevithick, J. E., Rodey, G. E., Parham, P., Fuller, T. C.
  1990; 28 (3): 284-305

- **RECOGNITION OF AN HLA PUBLIC DETERMINANT (BW4) BY HUMAN ALLOGENEIC CYTOTOXIC LYMPHOCYTES-T** *JOURNAL OF IMMUNOLOGY*
  CLAYBERGER, C., Rosen, M., Parham, P., KRENSKY, A. M.
  1990; 144 (11): 4172-4176

- **A BINDING-SITE FOR THE T-CELL CO-RECEPTOR CD8 ON THE ALPHA-3 DOMAIN OF HLA-A2** *NATURE*

Salter, R. D., Benjamin, R. J., WESLEY, P. K., BUXTON, S. E., Garrett, T. P., CLAYBERGER, C., KRENSKY, A. M., Norment, A. M., Littman, D. R., Parham, P.
1990; 345 (6270): 41-46

- **HLA-AR, AN INACTIVATED ANTIGEN-PRESENTING LOCUS RELATED TO HLA-A - IMPLICATIONS FOR THE EVOLUTION OF THE MHC** *JOURNAL OF IMMUNOLOGY*
  ZEMMOUR, J., Koller, B. H., Ennis, P. D., Geraghty, D. E., Lawlor, D. A., Orr, H. T., Parham, P.
  1990; 144 (9): 3619-3629

- **GUILT BY ASSOCIATION - HLA-B27 AND ANKYLOSING-SPONDYLITIS** *IMMUNOLOGY TODAY*
  Benjamin, R., Parham, P.
  1990; 11 (4): 137-142

- **NOMENCLATURE FOR THE MAJOR HISTOCOMPATIBILITY COMPLEXES OF DIFFERENT SPECIES - A PROPOSAL** *IMMUNOGENETICS*
  Klein, J., Bontrop, R. E., Dawkins, R. L., Erlich, H. A., Gyllensten, U. B., HEISE, E. R., Jones, P. P., Parham, P., Wakeland, E. K., Watkins, D. I.
  1990; 31 (4): 217-219

- **RAPID CLONING OF HLA-A,B CDNA BY USING THE POLYMERASE CHAIN-REACTION - FREQUENCY AND NATURE OF ERRORS PRODUCED IN AMPLIFICATION** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Ennis, P. D., ZEMMOUR, J., Salter, R. D., Parham, P.
  1990; 87 (7): 2833-2837

- **CONSERVATION AND DIVERSITY IN FAMILIES OF COATED VESICLE ADAPTINS** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Ponnambalam, S., Robinson, M. S., Jackson, A. P., PEIPERL, L., Parham, P.
  1990; 265 (9): 4814-4820

- **RECOGNITION OF ANTIGEN AND ALLOANTIGEN BY T-CELLS - A COMMON MECHANISM** *TRENDS IN BIOCHEMICAL SCIENCES*
  Parham, P.
  1990; 15 (3): 79-81

- **LYMPHOCYTE-T ANTIGEN INTERACTIONS IN TRANSPLANT REJECTION** *NEW ENGLAND JOURNAL OF MEDICINE*
  KRENSKY, A. M., WEISS, A., Crabtree, G., DAVIS, M. M., Parham, P.
  1990; 322 (8): 510-517

- **COMPARISON OF CLASS-I MHC ALLELES IN HUMANS AND APES** *IMMUNOLOGICAL REVIEWS*
  Lawlor, D. A., Warren, E., Ward, F. E., Parham, P.
  1990; 113: 147-185

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1989** *IMMUNOBIOLOGY*
  Bodmer, J. G., Marsh, S. G., Parham, P., Erlich, H. A., Albert, E., Bodmer, W. F., DuPont, B., Mach, B., Mayr, W. R., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1990; 180 (2-3): 278-292

- **STRUCTURE OF CLASS-I MHC MOLECULES - HLA-B27 AND DISEASE** *5TH BERTINE KOPERBERG CONF*
  Parham, P.
  SCANDINAVIAN UNIVERSITY PRESS.1990: 11–20

- **NOMENCLATURE FOR FACTORS OF THE HLA SYSTEM, 1989** *TISSUE ANTIGENS*
  Bodmer, J. G., Marsh, S. G., Parham, P., Erlich, H. A., Albert, E., Bodmer, W. F., DuPont, B., Mach, B., Mayr, W. R., Sasazuki, T., Schreuder, G. M., STROMINGER, J. L., Svejgaard, et al
  1990; 35 (1): 1-8

- **EVOLUTION OF CLASS-I MHC GENES AND PROTEINS - FROM NATURAL-SELECTION TO THYMIC SELECTION** *ANNUAL REVIEW OF IMMUNOLOGY*
  Lawlor, D. A., ZEMMOUR, J., Ennis, P. D., Parham, P.
  1990; 8: 23-63

- **MUTUALLY EXCLUSIVE PUBLIC EPITOPES OF HLA-A,B,C MOLECULES** *HUMAN IMMUNOLOGY*
  Salter, R. D., Parham, P.
  1989; 26 (2): 85-89

- **DIVERSITY AND DIVERSIFICATION OF HLA-A,B,C ALLELES** *JOURNAL OF IMMUNOLOGY*
  Parham, P., Lawlor, D. A., LOMEN, C. E., Ennis, P. D.
  1989; 142 (11): 3937-3950
- **POLYMORPHISM IN THE ALPHA-3 DOMAIN OF HLA-A MOLECULES AFFECTS BINDING TO CD8** *NATURE*
  Salter, R. D., Norment, A. M., Chen, B. P., CLAYBERGER, C., KRENSKY, A. M., Littman, D. R., Parham, P.
  1989; 338 (6213): 345-347
- **A PANEL OF UNIQUE HLA-A2 MUTANT MOLECULES DEFINE EPITOPES RECOGNIZED BY HLA-A2-SPECIFIC ANTIBODIES AND CYTO-TOXIC LYMPHOCYTES-T** *JOURNAL OF IMMUNOLOGY*
  HOGAN, K. T., CLAYBERGER, C., Bernhard, E. J., Walk, S. F., Ridge, J. P., Parham, P., KRENSKY, A. M., Engelhard, V. H.
  1989; 142 (6): 2097-2104
- **DIRECT BINDING OF INFLUENZA PEPTIDES TO CLASS-I HLA MOLECULES** *NATURE*
  Chen, B. P., Parham, P.
  1989; 337 (6209): 743-745
- **CYTO-TOXIC T-CELL RESPONSES IN HLA-A2.1 TRANSGENIC MICE - RECOGNITION OF HLA ALLOANTIGENS AND UTILIZATION OF HLA-A2.1 AS A RESTRICTION ELEMENT** *JOURNAL OF IMMUNOLOGY*
  LE, A. X., Bernhard, E. J., Holterman, M. J., STRUB, S., Parham, P., Lacy, E., Engelhard, V. H.
  1989; 142 (4): 1366-1371
- **THE OCCURRENCE OF DISULFIDE BONDS IN PURIFIED CLATHRIN LIGHT-CHAINS** *BIOCHEMICAL JOURNAL*
  Parham, P., Brodsky, F. M., Drickamer, K.
  1989; 257 (3): 775-781
- **DIVERSITY OF CLASS-I HLA MOLECULES - FUNCTIONAL AND EVOLUTIONARY INTERACTIONS WITH T-CELLS** *COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY*
  Parham, P., Benjamin, R. J., Chen, B. P., CLAYBERGER, C., Ennis, P. D., KRENSKY, A. M., Lawlor, D. A., Littman, D. R., Norment, A. M., Orr, H. T., Salter, R. D., ZEMMOUR, J.
  1989; 54: 529-543
- **HLA-B51 AND HLA-BW52 DIFFER BY ONLY 2 AMINO-ACIDS WHICH ARE IN THE HELICAL REGION OF THE ALPHA-1 DOMAIN** *JOURNAL OF IMMUNOLOGY*
  Hayashi, H., Ennis, P. D., Ariga, H., Salter, R. D., Parham, P., Kano, K., Takiguchi, M.
  1989; 142 (1): 306-311
- **FUNCTION AND POLYMORPHISM OF HUMAN-LEUKOCYTE ANTIGEN-A,B,C MOLECULES** *AMERICAN JOURNAL OF MEDICINE*
  Parham, P.
  1988; 85 (6A): 2-5
- **CYTO-TOXIC LYMPHOCYTE-T-DEFINED EPITOPE DIFFERENCES BETWEEN HLA-A2.1 AND HLA-A2.2 MAP TO 2 DISTINCT REGIONS OF THE MOLECULE** *JOURNAL OF IMMUNOLOGY*
  HOGAN, K. T., CLAYBERGER, C., Le, A. T., Walk, S. F., Ridge, J. P., Parham, P., KRENSKY, A. M., Engelhard, V. H.
  1988; 141 (11): 4005-4011
- **STRUCTURE OF HUMAN CLATHRIN LIGHT-CHAINS - CONSERVATION OF LIGHT CHAIN POLYMORPHISM IN 3 MAMMALIAN-SPECIES** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Jackson, A. P., Parham, P.
  1988; 263 (32): 16688-16695
- **CELL-CELL ADHESION MEDIATED BY CD8 AND MHC CLASS-I MOLECULES** *NATURE*
  Norment, A. M., Salter, R. D., Parham, P., Engelhard, V. H., Littman, D. R.
  1988; 336 (6194): 79-81
- **IDENTIFICATION BY SITE-DIRECTED MUTAGENESIS OF AMINO-ACID RESIDUES CONTRIBUTING TO SEROLOGIC AND CTL-DEFINED EPITOPE DIFFERENCES BETWEEN HLA-A2.1 AND HLA-A2.3** *JOURNAL OF IMMUNOLOGY*
  HOGAN, K. T., CLAYBERGER, C., Bernhard, E. J., Walk, S. F., Ridge, J. P., Parham, P., KRENSKY, A. M., Engelhard, V. H.
  1988; 141 (7): 2519-2525
- **HLA-A AND HLA-B POLYMORPHISMS PREDATE THE DIVERGENCE OF HUMANS AND CHIMPANZEES** *NATURE*

Lawlor, D. A., Ward, F. E., Ennis, P. D., Jackson, A. P., Parham, P.
1988; 335 (6187): 268-271

- **MOLECULAR-CLONING OF BOVINE CLASS-I MHC CDNA** *JOURNAL OF IMMUNOLOGY*
  Ennis, P. D., Jackson, A. P., Parham, P.
  1988; 141 (2): 642-651
- **NATURE OF POLYMORPHISM IN HLA-A, HLA-B, AND HLA-C MOLECULES** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Parham, P., LOMEN, C. E., Lawlor, D. A., Ways, J. P., Holmes, N., COPPIN, H. L., Salter, R. D., Wan, A. M., Ennis, P. D.
  1988; 85 (11): 4005-4009
- **IDENTIFICATION OF THE PHOSPHORYLATION SITES OF CLATHRIN LIGHT CHAIN LCB** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Hill, B. L., Drickamer, K., Brodsky, F. M., Parham, P.
  1988; 263 (12): 5499-5501
- **COMPARISON OF THE STRUCTURE OF HLA-BW47 TO HLA-B13 AND ITS RELATIONSHIP TO 21-HYDROXYLASE DEFICIENCY** *IMMUNOGENETICS*
  ZEMMOUR, J., Ennis, P. D., Parham, P., DuPont, B.
  1988; 27 (4): 281-287
- **HLA-A2 PEPTIDES CAN REGULATE CYTOLYSIS BY HUMAN ALLOGENEIC LYMPHOCYTES-T** *NATURE*
  CLAYBERGER, C., Parham, P., Rothbard, J., Ludwig, D. S., SCHOOLNIK, G. K., KRENSKY, A. M.
  1987; 330 (6150): 763-765
- **THE ABILITY OF CYTOTOXIC T-CELLS TO RECOGNIZE HLA-A2.1 OR HLA-B7 ANTIGENS EXPRESSED ON MURINE CELLS CORRELATES WITH THEIR EPITOPE SPECIFICITY** *JOURNAL OF IMMUNOLOGY*
  Bernhard, E. J., LE, A. X., Yannelli, J. R., Holterman, M. J., HOGAN, K. T., Parham, P., Engelhard, V. H.
  1987; 139 (11): 3614-3621
- **MULTIPLE GENETIC MECHANISMS HAVE CONTRIBUTED TO THE GENERATION OF THE HLA-A2/A28 FAMILY OF CLASS-I MHC MOLECULES** *JOURNAL OF IMMUNOLOGY*
  Holmes, N., Ennis, P., Wan, A. M., Denney, D. W., Parham, P.
  1987; 139 (3): 936-941
- **LOCALIZATION OF CLATHRIN LIGHT-CHAIN SEQUENCES MEDIATING HEAVY-CHAIN BINDING AND COATED VESICLE DIVERSITY** *NATURE*
  Brodsky, F. M., GALLOWAY, C. J., Blank, G. S., Jackson, A. P., Seow, H. F., Drickamer, K., Parham, P.
  1987; 326 (6109): 203-205
- **CLATHRIN LIGHT-CHAINS CONTAIN BRAIN-SPECIFIC INSERTION SEQUENCES AND A REGION OF HOMOLOGY WITH INTERMEDIATE FILAMENTS** *NATURE*
  Jackson, A. P., Seow, H. F., Holmes, N., Drickamer, K., Parham, P.
  1987; 326 (6109): 154-159
- **IDENTIFICATION AND CHARACTERIZATION OF 2 NOVEL LYMPHOCYTE FUNCTION-ASSOCIATED ANTIGEN-L24 AND ANTIGEN-L25** *JOURNAL OF IMMUNOLOGY*
  CLAYBERGER, C., KRENSKY, A. M., MCINTYRE, B. W., KOLLER, T. D., Parham, P., Brodsky, F., LINN, D. J., Evans, E. L.
  1987; 138 (5): 1510-1514
- **INHIBITION OF ALLOREACTIVE CYTOTOXIC LYMPHOCYTES-T BY PEPTIDES FROM THE ALPHA-2 DOMAIN OF HLA-A2** *NATURE*
  Parham, P., CLAYBERGER, C., ZORN, S. L., Ludwig, D. S., SCHOOLNIK, G. K., KRENSKY, A. M.
  1987; 325 (6105): 625-628
- **LOCALIZATION OF AN EPITOPE OF BETA-2 MICROGLOBULIN THAT IS SHARED WITH OTHER MEMBERS OF THE IMMUNOGLOBULIN SUPERFAMILY** *IMMUNOGENETICS*
  Parham, P., Lutz, P. M., Cresswell, P.
  1987; 26 (4-5): 323-326
- **A TRANSPOSABLE EPITOPE OF HLA-B7, B40 MOLECULES** *IMMUNOGENETICS*
  Ways, J. P., Lawlor, D. A., Wan, A. M., Parham, P.

1987; 25 (5): 323-328

- **FUNCTIONAL SITES OF HUMAN CLASS-I MHC MOLECULES - PARADIGMS A DOZEN** *IMMUNOLOGIC RESEARCH*
  Parham, P.
  1987; 6 (3): 153-178
- **THE PRIMARY STRUCTURE OF HLA-A32 SUGGESTS A REGION INVOLVED IN FORMATION OF THE BW4/BW6 EPITOPES** *JOURNAL OF IMMUNOLOGY*
  Wan, A. M., Ennis, P., Parham, P., Holmes, N.
  1986; 137 (11): 3671-3674
- **AMINO-ACID-RESIDUES 56 TO 69 OF HLA-A2 SPECIFY AN ANTIGENIC DETERMINANT SHARED BY HLA-A2 AND HLA-B17** *JOURNAL OF IMMUNOLOGY*
  Ways, J. P., Rothbard, J. B., Parham, P.
  1986; 137 (1): 217-222
- **FUNCTION AND CELL DISTRIBUTION OF KC-1, A NOVEL NATURAL-KILLER CELL-ASSOCIATED ANTIGEN** *JOURNAL OF IMMUNOLOGY*
  CLAYBERGER, C., DYER, B., McIntyre, B., KOLLER, T. D., Hardy, B., Parham, P., Lanier, L. L., KRENSKY, A. M.
  1986; 136 (5): 1537-1541
- **FURTHER-STUDIES ON THE EPITOPES OF HLA-B7 DEFINED BY MURINE MONOCLONAL-ANTIBODIES** *HUMAN IMMUNOLOGY*
  Parham, P., Antonelli, P., Herzenberg, L. A., Kipps, T. J., Fuller, A., Ward, F. E.
  1986; 15 (1): 44-67
- **The complete primary structure of HLA-Bw58.** *journal of biological chemistry*
  Ways, J. P., COPPIN, H. L., Parham, P.
  1985; 260 (22): 11924-11933
- **DETERMINANTS RECOGNIZED BY HUMAN CYTO-TOXIC T-CELLS ON A NATURAL HYBRID CLASS-I HLA MOLECULE** *JOURNAL OF EXPERIMENTAL MEDICINE*
  CLAYBERGER, C., Holmes, N., Wang, P. L., KOLLER, T. D., Parham, P., KRENSKY, A. M.
  1985; 162 (5): 1709-1714
- **IMPORTANCE OF IMMUNOGLOBULIN ISOTYPE IN HUMAN ANTIBODY-DEPENDENT, CELL-MEDIATED CYTO-TOXICITY DIRECTED BY MURINE MONOCLONAL-ANTIBODIES** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Kipps, T. J., Parham, P., Punt, J., Herzenberg, L. A.
  1985; 161 (1): 1-17
- **EXON SHUFFLING INVIVO CAN GENERATE NOVEL HLA CLASS-I MOLECULES** *EMBO JOURNAL*
  Holmes, N., Parham, P.
  1985; 4 (11): 2849-2854
- **THE COMPLETE PRIMARY STRUCTURE OF HLA-BW58** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Ways, J. P., COPPIN, H. L., Parham, P.
  1985; 260 (22): 1924-1933
- **COMPARISON OF THE PRIMARY STRUCTURES OF CLATHRIN LIGHT-CHAINS FROM BOVINE BRAIN AND ADRENAL-GLAND BY PEPTIDE-MAPPING** *EMBO JOURNAL*
  Holmes, N., Biermann, J. S., Brodsky, F. M., BHARUCHA, D., Parham, P.
  1984; 3 (7): 1621-1627
- **2 DISTINCT FORMS OF BETA-2-MICROGLOBULIN IN DIFFERENT RACES OF OWL MONKEY (AOTUS-TRIVIRGATUS)** *IMMUNOGENETICS*
  Smith, K. K., Parham, P., MA, N. S.
  1984; 20 (4): 459-464
- **MOLECULAR CHARACTERIZATION OF HLA-A28STAR, A NOVEL HLA PRODUCT, AND ITS RELATIONSHIP TO HLA-A28 AND HLA-A2** *IMMUNOGENETICS*
  Holmes, N., Parham, P.
  1984; 20 (2): 103-115
- **ENHANCEMENT OF MONOCLONAL-ANTIBODIES AGAINST HLA-A2 IS DUE TO ANTIBODY BIVALENCY** *JOURNAL OF BIOLOGICAL CHEMISTRY*

Holmes, N. J., Parham, P.
1983; 258 (3): 1580-1586

- **RECOGNITION BY XENOGENEIC CYTO-TOXIC LYMPHOCYTES-T OF CELLS EXPRESSING HLA-A2 OR HLA-B7 AFTER DNA-MEDIATED GENE-TRANSFER** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES*
  Herman, A., Parham, P., Weissman, S. M., Engelhard, V. H.
  1983; 80 (16): 5056-5060
- **LOCATION AND DISTRIBUTION OF THE LIGHT-CHAINS IN CLATHRIN TRIMERS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES*
  Kirchhausen, T., HARRISON, S. C., Parham, P., Brodsky, F. M.
  1983; 80 (9): 2481-2485
- **ISOLATION OF HEAVY-CHAIN CLASS SWITCH VARIANTS OF A MONOCLONAL ANTI-DC1 HYBRIDOMA CELL-LINE - EFFECTIVE CONVERSION OF NONCYTOTOXIC IGG1 ANTIBODIES TO CYTO-TOXIC IGG2 ANTIBODIES** *HUMAN IMMUNOLOGY*
  Parham, P., Kipps, T. J., Ward, F. E., Herzenberg, L. A.
  1983; 8 (2): 141-151
- **ARGININE-45 IS A MAJOR PART OF THE ANTIGENIC DETERMINANT OF HUMAN BETA2-MICROGLOBULIN RECOGNIZED BY MOUSE MONOCLONAL-ANTIBODY BBM.1** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Parham, P., Androlewicz, M. J., Holmes, N. J., Rothenberg, B. E.
  1983; 258 (10): 6179-6186
- **CHROMOSOME LOCALIZATION AND GENE SYNTENY OF THE MAJOR HISTOCOMPATIBILITY COMPLEX IN THE OWL MONKEY, AOTUS** *IMMUNOGENETICS*
  MA, N. S., Simeone, T., McLean, J., Parham, P.
  1982; 15 (1): 1-16
- **Influenza virus-specific cytotoxic T lymphocytes recognize HLA-molecules. Blocking by monoclonal anti-HLA antibodies.** *journal of experimental medicine*
  McMichael, A. J., Parham, P., Brodsky, F. M., PILCH, J. R.
  1980; 152 (2): 195s-203s
- **INFLUENZA VIRUS-SPECIFIC CYTO-TOXIC LYMPHOCYTES-T RECOGNIZE HLA MOLECULES - BLOCKING BY MONOCLONAL ANTI-HLA ANTIBODIES** *JOURNAL OF EXPERIMENTAL MEDICINE*
  McMichael, A. J., Parham, P., Brodsky, F. M., PILCH, J. R.
  1980; 152 (2): S195-S203
- **AN EVALUATION OF THE SIGNIFICANCE OF AMINO-ACID-SEQUENCE HOMOLOGIES IN HUMAN HISTOCOMPATIBILITY ANTIGENS (HLA-A AND HLA-B) WITH IMMUNOGLOBULINS AND OTHER PROTEINS, USING RELATIVELY SHORT SEQUENCES** *SCANDINAVIAN JOURNAL OF IMMUNOLOGY*
  STROMINGER, J. L., Orr, H. T., Parham, P., Ploegh, H. L., Mann, D. L., BILOFSKY, H., Saroff, H. A., Wu, T. T., KABAT, E. A.
  1980; 11 (6): 573-592
- **MONOCLONAL-ANTIBODIES TO HLA-DRW DETERMINANTS** *TISSUE ANTIGENS*
  Brodsky, F. M., Parham, P., Bodmer, W. F.
  1980; 16 (1): 30-48
- **A MONOCLONAL-ANTIBODY THAT RECOGNIZES AN ANTIGENIC DETERMINANT SHARED BY HLA-A2 AND HLA-B17** *HUMAN IMMUNOLOGY*
  McMichael, A. J., Parham, P., Rust, N., Brodsky, F.
  1980; 1 (2): 121-129
- **STRUCTURAL AND SEQUENCE HOMOLOGIES BETWEEN HLA-A AND HLA-B ANTIGENS AND IMMUNOGLOBULINS** *TRANSPLANTATION PROCEEDINGS*
  STROMINGER, J. L., KABAT, E. A., BILOFSKY, H., Mann, D., Orr, H., Parham, P., Ploegh, H., Robb, R., TERHORST, C., Wu, T. T.
  1979; 11 (2): 1303-1303
- **ANTI-HLA-A,B,C MONOCLONAL ANTIBODIES WITH NO ALLOANTIGENIC SPECIFICITY IN HUMANS DEFINE POLYMORPHISMS IN OTHER PRIMATE SPECIES** *NATURE*
  Parham, P., Sehgal, P. K., Brodsky, F. M.

1979; 279 (5714): 639-641

- **CHARACTERIZATION OF A MONOCLONAL ANTI-BETA-2-MICROGLOBULIN ANTIBODY AND ITS USE IN THE GENETIC AND BIOCHEMICAL-ANALYSIS OF MAJOR HISTOCOMPATIBILITY ANTIGENS** *EUROPEAN JOURNAL OF IMMUNOLOGY*
  Brodsky, F. M., Bodmer, W. F., Parham, P.
  1979; 9 (7): 536-545
- **COMPARISON OF AMINO-ACID SEQUENCES OF 2 HUMAN HISTOCOMPATIBILITY ANTIGENS, HLA-A2 AND HLA-B7 - LOCATION OF PUTATIVE ALLOANTIGENIC SITES** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Orr, H. T., LOPEZDECASTRO, J. A., Parham, P., Ploegh, H. L., STROMINGER, J. L.
  1979; 76 (9): 4395-4399
- **MONOCLONAL ANTIBODIES FOR ANALYSIS OF THE HLA SYSTEM** *IMMUNOLOGICAL REVIEWS*
  Brodsky, F. M., Parham, P., Barnstable, C. J., CRUMPTON, M. J., Bodmer, W. F.
  1979; 47: 3-61
- **HEAVY-CHAIN OF HLA-A-ANTIGENS AND HLA-B-ANTIGENS IS CONFORMATIONALLY LABILE - POSSIBLE ROLE FOR BETA-2-MICROGLOBULIN** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Lancet, D., Parham, P., STROMINGER, J. L.
  1979; 76 (8): 3844-3848
- **USE OF A MONOCLONAL ANTIBODY (W6-32) IN STRUCTURAL STUDIES OF HLA-A,B,C ANTIGENS** *JOURNAL OF IMMUNOLOGY*
  Parham, P., Barnstable, C. J., Bodmer, W. F.
  1979; 123 (1): 342-349
- **MONOCLONAL ANTIBODY TO A HUMAN HISTOCOMPATIBILITY ALLOANTIGEN, HLA-A2** *NATURE*
  Parham, P., Bodmer, W. F.
  1978; 276 (5686): 397-399
- **Structure of HL-A A and B antigens isolated from cultured human lymphocytes.** *Cold Spring Harbor symposia on quantitative biology*
  STROMINGER, J. L., Mann, D. L., Parham, P., Robb, R., Springer, T., TERHORST, C.
  1977; 41: 323-329
- **CARBOHYDRATE MOIETY OF HLA ANTIGENS - ANTIGENIC PROPERTIES AND AMINO-ACID SEQUENCES AROUND SITE OF GLYCOSYLATION** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Parham, P., ALPERT, B. N., Orr, H. T., STROMINGER, J. L.
  1977; 252 (21): 7555-7567
- **STRUCTURAL ASPECTS OF PRODUCTS OF HUMAN MAJOR HISTOCOMPATIBILITY COMPLEX** *TRANSPLANTATION PROCEEDINGS*
  Fuks, A., KAUFMAN, J. F., Orr, H. T., Parham, P., Robb, R. R., TERHORST, C., STROMINGER, J. L.
  1977; 9 (4): 1685-1689
- **STRUCTURE OF HL-A A AND B ANTIGENS ISOLATED FROM CULTURED HUMAN LYMPHOCYTES** *COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY*
  STROMINGER, J. L., Mann, D. L., Parham, P., Robb, R., Springer, T., TERHORST, C.
  1976; 41: 323-329
- **ISOLATION AND IMMUNOLOGICAL CHARACTERIZATION OF A HUMAN, B-LYMPHOCYTE-SPECIFIC, CELL-SURFACE ANTIGEN** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Humphreys, R. E., McCune, J. M., Chess, L., HERRMAN, H. C., Malenka, D. J., Mann, D. L., Parham, P., Schlossman, S. F., STROMINGER, J. L.
  1976; 144 (1): 98-112
- **STRUCTURE OF HLA ANTIGENS - AMINO-ACID AND CARBOHYDRATE COMPOSITIONS AND NH2-TERMINAL SEQUENCES OF 4 ANTIGEN PREPARATIONS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  TERHORST, C., Parham, P., Mann, D. L., STROMINGER, J. L.
  1976; 73 (3): 910-914
- **IMMUNOGLOBULIN-LIKE STRUCTURE OF HUMAN HISTOCOMPATIBILITY ANTIGENS** *FEDERATION PROCEEDINGS*
  STROMINGER, J. L., Humphreys, R. E., McCune, J. M., Parham, P., Robb, R., Springer, T., TERHORST, C.
  1976; 35 (5): 1177-1182

- **IMMUNOLOGICAL AND CHEMICAL PURITY OF PAPAIN-SOLUBILIZED HL-A ANTIGENS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Parham, P., TERHORST, C., Herrmann, H., Humphreys, R. E., Waterfield, M. D., STROMINGER, J. L.
  1975; 72 (4): 1594-1598
- **PURIFICATION OF PAPAIN-SOLUBILIZED HISTOCOMPATIBILITY ANTIGENS FROM A CULTURED HUMAN LYMPHOBLASTOID LINE, RPMI-4265** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Turner, M. J., Cresswell, P., Parham, P., STROMINGER, J. L., Mann, D. L., Sanderson, A. R.
  1975; 250 (12): 4512-4519
- **IMMUNOGLOBULIN-LIKE STRUCTURE OF HUMAN HISTOCOMPATIBILITY ANTIGENS** *TRANSPLANTATION REVIEWS*
  STROMING, J. L., CRESSWEL, P., Grey, H., HUMPHREY, R. E., Mann, D., McCune, J., Parham, P., Robb, R., SANDERSO, A. R., Springer, T. A., TERHORST, C., Turner, M. J.
  1974; 21: 126-143
- **HETEROGENEITY OF HL-A ANTIGEN PREPARATIONS IS DUE TO VARIABLE SIALIC-ACID CONTENT** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Parham, P., HUMPHREY, R. E., Turner, M. J., STROMING, J. L.
  1974; 71 (10): 3998-4001