

# **Curriculum Vitae**

**Mehmet Tevfik DORAK, BA (Hons), MD, PhD**

*Professor*

**Head of School of Life Sciences, Pharmacy & Chemistry**

**Kingston University London, U.K.**

## PERSONAL DETAILS

Full name : Mehmet Tevfik DORAK

Nationality : Turkish / Naturalized British

e-mail : Given in this [link](#)

website : <http://www.dorak.info>

LinkedIn : <http://www.linkedin.com/in/dorakmt>

ResearchGate : [https://www.researchgate.net/profile/Mehmet\\_Dorak](https://www.researchgate.net/profile/Mehmet_Dorak)

Frontiers : <https://loop.frontiersin.org/people/52202/overview>

Loop : <http://loop.frontiersin.org/people/52202/overview>

Google Scholar : <https://tinyurl.com/jr9dpqe>

PubMed : <http://tinyurl.com/hacqrkr>

ORCID : <https://orcid.org/0000-0003-4820-0995>

### Current position:

Professor & Head of School of Life Sciences, Pharmacy & Chemistry  
Kingston University London, UK ([link](#))

From: 4 September 2017

## UNIVERSITY EDUCATION

Hacettepe University, School of Medicine, Ankara, Turkey

Qualification: M.D.

### *Post-graduate medical training*

Specialist training in Internal Medicine

Department of Internal Medicine, Hacettepe University, School of Medicine, Ankara & Akdeniz  
University, School of Medicine, Antalya, Turkey

Open University (UK)

Qualification: B.A. (Hons, first class)

### PhD study

Title: A Search for a Leukaemia Susceptibility Gene in the HLA Complex (supervisors: Professor Alan K Burnett & Ken I. Mills; examiners: Robert R West (Epidemiology) and Ben A Bradley (Immunology).  
Dept of Haematology, University of Wales College of Medicine, Cardiff, UK

### Diploma in Statistics - Open University (UK)

(Completed courses: M246 Elements of Statistics; M346 Linear Statistical Modelling; MST121 Using Mathematics; MDST242 Statistics in Society and M343 Applications of Probability) supplemented by the Imperial College London Course "Statistical Analysis of Genetic Association Studies" and Wellcome Trust Genome Center Course "Genetic Analysis of Multifactorial Diseases".

## PREVIOUS POSTS

Professor  
Head of School of Health Sciences  
Liverpool Hope University  
Liverpool, UK  
2014 (Jan 1) - 2017 (Sept 3)

Associate Professor  
Graduate Program Director (Departmental)  
Robert Stempel College of Public Health and Social Work  
Department of Epidemiology (*from Febr 16, 2013*)  
[Department of Environmental and Occupational Health (*until Febr 15, 2013*)]  
Florida International University  
Miami, FL, USA  
2010 (Jan 1) - 2013 (Dec 31)

2007-2009:  
Head of Genomic Immunoepidemiology  
HUMIGEN LLC, The Institute for Genetic Immunology  
Hamilton, NJ, USA

2004-2007:  
Principal Research Associate  
Paediatric and Lifecourse Epidemiology Research Group  
School of Clinical Medical Sciences (Child Health)  
Newcastle University, UK

Associate Lecturer (S366: Evolution)  
The Open University (North), UK

Associate Lecturer (S320: Infectious Disease)  
The Open University (North), UK

2001-2004:  
Assistant Professor  
Department of Epidemiology  
School of Public Health  
University of Alabama at Birmingham  
Birmingham, AL, USA

2000-2001:  
Assistant Professor  
Division of Transplantation, Department of Surgery  
University of Tennessee at Memphis  
Memphis, TN, USA

1992-2000:  
Non-Clinical Lecturer (Research)  
Department of Haematology  
University of Wales College of Medicine  
Cardiff, Wales, UK

1991-1992:  
Research Fellow  
Leukaemia Research Fund Laboratories  
Glasgow Royal Infirmary, Scotland, UK

## FELLOWSHIPS AND AWARDS

- **British Council Scholarship** (Glasgow Royal Infirmary, Scotland, UK), 1988/89
- **Outstanding Abstract Award** and **ASHI Scholar** designation by the American Society for Histocompatibility and Immunogenetics (ASHI), 1994 Annual Meeting, Pittsburgh, PA and again in 2008 Annual Meeting, Toronto, Canada
- **Best Overseas Abstract Award** by the British Society for Histocompatibility and Immunogenetics (BSHI) at the 2002 Annual Meeting, Scotland, UK
- **Top Scholar Award** by Florida International University, 2013

## PROFESSIONAL ACTIVITIES

- Roles within Kingston University
  - ✓ Member of University Senior Leadership Group (SLG)
  - ✓ Member of University Research, Business & Innovation (RBI) Committee
  - ✓ Member of University EDI Committee
  - ✓ Member of Race Equality Charter (REC) Steering Committee
  - ✓ Member of Faculty Leadership Team (FLT)
  - ✓ Chair of Faculty Equality Diversity Inclusion (EDI) Action Group
  - ✓ Chair of School Senior Management Group (SMG)
  - ✓ Chair of School (LSPC) Athena Swan Self-Assessment Team
- Memberships and Fellowships:
  - ✓ Fellow of the Royal Statistical Society (FRSS)
  - ✓ European Federation of Immunogenetics (EFI)
  - ✓ Genetics Society (U.K.)
  - ✓ Children's Cancer and Leukaemia Group U.K. (CCLG)
  - ✓ CCLG Research Advisory Group
  - ✓ International Society of Paediatric Oncology (SIOP)
  - ✓ Foundation for Open Access Statistics (FOAS)
- Editorial Board memberships:
  - ✓ [Genes & Immunity](#)
  - ✓ [Frontiers in Public Health](#) (Associate Editor)
  - ✓ [Frontiers in Cardiovascular Medicine](#) and [Frontiers in Medicine](#) (Statistical Review Editor)
- Reviewer for a number of international journals including:
  - ✓ Genes & Immunity
  - ✓ Gene
  - ✓ Human Genetics
  - ✓ Human Molecular Genetics
  - ✓ Molecular Human Reproduction
  - ✓ International Journal of Cancer
  - ✓ New England Journal of Medicine
  - ✓ BMC Genetics
  - ✓ Gender and the Genome
  - ✓ Cancer Research
  - ✓ Cancer Epidemiology Biomarkers and Prevention
  - ✓ Cancer Genetics Cytogenetics
  - ✓ Carcinogenesis
  - ✓ British Journal of Cancer
  - ✓ Leukemia & Lymphoma
  - ✓ Pediatric Hematology & Oncology
  - ✓ Journal de Pediatria
  - ✓ Bone Marrow Transplantation
  - ✓ Expert Reviews in Haematology

- ✓ Annals of Epidemiology
- ✓ Public Health Genomics
- ✓ Tissue Antigens
- ✓ Human Immunology
- ✓ Cytokine
- ✓ International Journal of Immunogenetics
- ✓ Journal of Infectious Diseases
- ✓ Journal of Acquired Immunodeficiency Syndromes
- ✓ Molecular Biology Reports
- ✓ Arthritis & Rheumatism
- ✓ Southern Medical Journal
- ✓ Scientific Reports
- ✓ PLoS One, PLoS Genetics
- ✓ Breast Cancer Research & Treatment
- ✓ Pigment Cell & Melanoma Research

## **PRESENTATIONS** (since 2010)

(accessible through [www.dorak.info](http://www.dorak.info) or available on request)

- Invited talk at the Pediatric Cancer Epidemiology Symposium: Fundamental Questions & Strategies (Houston, TX): Gender Effect in Cancer Risk. May 13, 2010 ([www](#))
- Invited talk at the 5th Brazilian HLA and Disease Symposium (Rio de Janeiro, Brazil): HLA Associations in Multifactorial Diseases. June 10, 2010 ([www](#))
- Lecture at the Metabolomics Summer School (Trabzon, Turkey): Environmental Metabolomics. July 7, 2010
- Lecture at the Recent Advances in Applications of Bioinformatics and Biomics Workshop. Ege University, Department of Biochemistry (Izmir, Turkey): Molecular Basis of Disease: From Genomics to Metabolomics. July 14, 2010
- Seminar at the FIU Comparative Immunology Department (Miami, FL): MHC and Mate Selection across Species. Febr 24, 2010
- Seminar at the FIU College of Medicine (Miami, FL): Genetic Epidemiology as a Probe for Disease Biology. April 15, 2011 ([www](#))
- Seminar at the South Florida Pediatric Oncology Society (University of Miami College of Medicine, FL): Descriptive Epidemiology of Childhood Leukemia and the Hispanic Connection. May 9, 2011
- Seminar at Istanbul Technical University, Molecular Biology and Genetics Research Center (MOBGAM, Istanbul, Turkey): Real-time PCR: Troubleshooting June 3, 2011 ([www](#))
- Invited talk at the International Congress on Bioinformatics and Biomics (Kusadasi, Turkey): Genomics in Disease Risk Assessment. May 21, 2011 ([www](#))
- Seminar at the University of Alabama in Birmingham Epidemiology Seminar Series: Iron Depletion in Disease Prevention. Oct 24, 2011 ([www](#))
- Talk at the Childhood Leukemia International Consortium Meeting (Barcelona, Spain): Ethnic/Racial Differential in Childhood Leukemia Risk. Sept 17, 2011
- Seminar at the University of Miami College of Medicine, Batchelor Children's Research Institute (Miami, FL): Genetic Susceptibility to Childhood Leukemia & The Hispanic Connection. Nov 16, 2011 ([www](#))

- Seminar at the Cancer Institute of New Jersey: Breast Cancer Susceptibility and HLA Complex: Source of Missing Heritability? Dec 7, 2011 ([www](#))
- Seminar at the Mount Sinai Medical Center, Dept of Molecular Pathology (Miami Beach, FL): HLA Complex: Genetics & Biology. Dec 1, 2011 ([www](#))
- Seminar at the Mount Sinai Medical Center, Dept of Molecular Pathology (Miami Beach, FL): HLAComplex: Clinical Utility. February 23, 2012 ([www](#))
- Oral presentation at the 14th Annual Biomedical & Comparative Immunology Symposium, FIU: Genome-wide Association Signals from the HLA Region and Evolutionary Lineages. March 2, 2012
- Seminar at the FIU Comparative Immunology Department (Miami, FL): HLA Molecules and Antibodies in Transplantation. March 20, 2012
- Seminar at the FIU Summer Internship Research Program & MBRS Program: How to Prepare an Oral Presentation of Your Research. July 22, 2012 (repeated on Sept 19, 2013 at the MBRS Professional Development Workshop) (Accessible via [Scientific Writing Resources](#))
- Seminar at the FIU Comparative Immunology Department (Miami, FL): Cancer Immune Surveillance. Sept 29, 2012 ([www](#))
- Seminar at the MBRS Professional Development Workshop: Scientific Writing. February 5, 2013 (Accessible via [Scientific Writing Resources](#))
- Seminar at the University of Miami, Dept of Public Health and Epidemiology: Iron Excess and Cancer Connection. January 29, 2013
- Analysis of HLA Region Polymorphisms Associated with Cancer. Oral presentation at ASHI 2013, Chicago, IL, November 17-21, 2013 ([www](#))
- Alternative Explanations for HLA and Disease Associations. Oral presentation at EFI 2014, Stockholm, Sweden, 2014
- The Role Played by the HLA Complex in Adverse Drug Reactions. Invited talk at IMPPS-4, Istanbul, Turkey, September 18-21, 2014 ([www](#))
- Nanotechnology Applications in Genetics. Turkish-German Workshop on Bioinformatics: Recent Developments from Health to Nanotechnology, Kusadasi, Turkey, October 19-22, 2014 ([www](#))
- Bioinformatics Resources for Genetic Epidemiologists. International Conference on Applied Informatics for Health and Life Sciences (AIHLS), Kusadasi, Turkey, October 2014 ([www](#))
- HLA-DQA1 3'UTR is an Unexplored Source of Disease Associations in the HLA Complex. Oral presentation at EFI 2015, Geneva, Switzerland, 2015 ([www](#))
- A Survey of Cancer Somatic Mutations in the HLA Region. Oral presentation at ASHI, Savannah, GA, 2015 ([www](#))
- Potential Mediation of HLA and Cancer Associations via Non-coding RNAs. Oral presentation at ASHI, Savannah, GA, 2015 ([www](#))
- Causality Assessment of HLA Region Associations in GWAS for Autoimmune Diseases. [XIVth National Medical Biology and Genetics Congress](#), Fethiye, Turkey, October 27-30, 2015 ([www](#))

- Interpretation of GWAS Findings in Transplant Outcome Studies. Invited plenary lecture at the [Annual European Federation of Immunogenetics Societies \(EFI\) Region 8 External Proficiency Testing \(EPT\) Meeting](#). Bucharest, Romania, December 5, 2015 ([www](#))
- [Genome Biology and Applied Bioinformatics Course](#). Istanbul University, Medical School. Turkey, March 28/29, 2016
- Largest copy number variation regions in the extended HLA show correlations with ancestral HLA haplotypes. Oral presentation at the 30th European Immunogenetics and Histocompatibility Conference, Kos, Greece, May 10-14, 2016 ([www](#))
- Functional annotations of common disease markers in immune regulatory genes. Oral presentation at the 30th European Immunogenetics and Histocompatibility Conference, Kos, Greece, May 10-14, 2016 ([www](#))
- Insights into type 1 diabetes and multiple sclerosis pathogenesis from common genetic associations. Oral presentation at the 30th European Immunogenetics and Histocompatibility Conference, Kos, Greece, May 10-14, 2016 ([www](#))
- What Does Your DNA Say About You? Inaugural Professorial Lecture at Liverpool Hope University on May 18, 2016 ([www](#))
- Making sense of genetic associations with childhood leukaemia risk. Oral presentation at the [Childhood Cancer Conference 2016](#). London, September 5-7, 2016 ([www](#))
- [II. Genome Biology and Applied Bioinformatics Course](#). Istanbul University, Medical School. Turkey, April 17/18, 2017
- [Recent Advances in Genome Biology: Insights from GWAS to Disease Development](#). Invited talk at the 5<sup>th</sup> International Congress of the Molecular Biology Association Turkey. Istanbul, Turkey, Sept 8-12, 2017
- [Expression QTLs with Opposing Effects on HLA-DR and -DQ Genes are Associated with Autoimmune Disorders: Evidence for Mixed Isotype Heterodimer Formation?](#) (Oral presentation at EFI Conference, Venice, Italy, 2018)
- [Longevity-associated HLA Class II Region Variants Map to the B-cell-specific Super-enhancer XL9](#) Oral presentation at EFI Conference, Lisbon, Portugal, 2019
- [III. Genome Biology and Applied Bioinformatics Course](#). Istanbul University, Medical School, Turkey, April 29/30, 2018
- [Statistics and Graphics with R Course](#). Istanbul University, Medical School, Turkey, April 19, 2019
- [Leadership & Equality \(with an Emphasis on Female Leadership\)](#). SWISSAM International University, St Petersburg, 2020
- [Getting Men Onboard to Achieve Gender Equality](#). Presentation at Kingston University School of Life Sciences, Chemistry and Pharmacy Café SWAN meeting, February 25, 2020
- [Bioinformatics Tools for HLA](#). Invited talk at the 8th National Congress of Turkish Transplantation Immunology and Genetics Society (TIGED), Antalya, Turkey, 2022
- Forthcoming invited talk at 2nd International Cancer and Life Symposium organised by Foundation for Children with Leukemia (LOSEV) on Sept 9, 2023 (Ankara, Turkey): "*Why is There an Inverse Correlation between Alzheimer Disease and Cancer Susceptibility? Is Genetics to Blame?*"

- Forthcoming invited talk at the 18<sup>th</sup> Medical Biology and Genetics Society (TBGK) Conference on October 26-29, 2023 (Ankara, Turkey): "*Gender and Immunity*"

## **COURSES TAUGHT**

- Contributions to various modules in Life Sciences, Pharmaceutical Science and Pharmacy at Kingston University London, UK (2017 - cont.); including:
  - LS4003 (BSc/Biosciences): Biostatistics with R block
  - CH7060 (MSc/Pharmaceutical Science): Statistical Analysis of Clinical Trials and Evidence-based Medicine block
  - PY7010 (Pharmacy): Pharmacogenetics
- Human Biology, Human Genetics, Environmental Health and Basic Statistics blocks in undergraduate Health Sciences integrative curriculum at Liverpool Hope University, UK (2014-2017)
- Graduate-level courses taught at Florida International University, Miami, USA (2010-2013); including:
  - PHC6538: Genetic Issues in Public Health
  - PHC6315: Introduction to Environmental Health
  - PHC6307: Exposure Assessment in Environmental and Occupational Epidemiology
  - PHC6007: Cancer Epidemiology
  - PHC6990: Genetic Epidemiology
  - PHC7300: Biologic Basis of Environmental Health

## **CURRENT DOCTORAL STUDENTS**

- Hasan Kobat (2<sup>nd</sup> supervisor; 2018 - cont.) [*Real World Studies on Cardiotoxicity of Cancer Treatments*]
- Muhammad Osama Shafiq (3<sup>rd</sup> supervisor; 2020 - cont.) [*Plant-based Anti-cancer Agent Identification*]

## **PAST DOCTORAL STUDENTS (graduated)**

- Amy E. Kennedy - (Florida International University) 2013 ([www](#))
- Sandeep K. Singh - (Florida International University) 2015 ([www](#))

## **PAST DOCTORAL COMMITTEE MEMBERSHIPS (USA)**

- Banu Flemming (Mississippi State University) - 2004
- Shiryn Sukhram (Florida International University) - 2012
- Anthony Bellantuono (Florida International University) - 2013
- Miguel Cruz (Florida International University) - 2013
- Karina Villalba (Florida International University) - 2013
- Nicole Porther (Florida International University) - 2013
- Tiffany Stewart (Florida International University) - 2013
- Sabrina Sales (Florida International University) - 2013
- Ketaki Deshpande (Florida International University) - 2013

## **PAST MASTERS STUDENT**

- Noelle Tor (University of Wales College of Medicine, U.K.) - 2000



## PUBLICATIONS

1. **Dorak MT**, Yegin O. Human leukocyte antigens [review]. *Turkish Journal of Medical Sciences* 1990;14:686-702.
2. **Dorak MT**, Chalmers EA. HLA and leukaemia: is it a simple allelic association? *Turkish Journal of Paediatrics* 1992;34(1):55-9.
3. **Dorak MT**, Burnett AK. Major histocompatibility complex, t-complex, and leukaemia [review]. *Cancer Causes and Control* 1992;3(3):273-82.
4. **Dorak MT**, Chalmers EA, Sproul AM, Mills KI, Wilson DWL, Galbraith I, Henderson N, Gibson BES, Burnett AK. MHC class III polymorphisms in selection of donors for bone marrow transplantation. *Bone Marrow Transplantation* 1993;11(1):37-41.
5. **Dorak MT**, Chalmers EA, Gaffney D, Wilson DWL, Galbraith I, Henderson N, Worwood M, Mills KI, Burkett AK. Human major histocompatibility complex contains several leukaemia susceptibility genes. *Leukemia & Lymphoma* 1994;12(3-4):211-22.
6. **Dorak MT**, Burnett AK. Molecular mimicry of an HLA-DR53 epitope by viruses [letter]. *Immunology Today* 1994;15(3):138-9.
7. **Dorak MT**, Mills KI, Gaffney D, Wilson DW, Galbraith I, Henderson N, Burnett AK. Homozygous MHC genotypes and longevity. *Human Heredity* 1994;44(5):271-8.
8. Worwood M, Raha-Chowdhury R, **Dorak MT**, Darke C, Bowen DJ, Burnett AK. Alleles at D6S265 and D6S105 define a haemochromatosis-specific genotype. *British Journal of Haematology* 1994;86(4):863-6.
9. **Dorak MT**, Burnett AK, Worwood M. Thymus-leukaemia antigens: Haemochromatosis gene product? *Immunology and Cell Biology* 1994;72(5):435-9 ([www](#)).
10. Worwood M, **Dorak MT**, Raha-Chowdhury R. Haplotypes in linkage disequilibrium with the hemochromatosis gene [letter]. *American Journal of Human Genetics* 1994;55(3):586-7 ([www](#)).
11. Worwood M, **Dorak MT**, Raha-Chowdhury R, Darke C. Genetics of haemochromatosis [review]. *Advances in Experimental Medicine and Biology* 1994;356:309-18.
12. **Dorak MT**, Wilson DW, Galbraith I, Henderson N, Burnett AK, Worwood M. A molecular analysis of the telomeric end of the human major histocompatibility complex. *Human Immunology* 1995;42(1):1-8.
13. **Dorak MT**, Owen G, Galbraith I, Henderson N, Webb D, Mills KI, Darke C, Burnett AK. Nature of HLA-associated predisposition to childhood acute lymphoblastic leukaemia. *Leukemia* 1995;9(5):875-8.
14. **Dorak MT**, Machulla HK, Hentschel M, Mills KI, Langner J, Burnett AK. The influence of homozygosity for HLA-DR53 on the age at onset in chronic lymphoid leukaemia. *International Journal of Cancer* 1996;65(2):134-9.
15. **Dorak MT**. The role of the major histocompatibility complex in the genetics of human leukaemia [review]. *Turkish Journal of Medical Sciences* 1996;26(2):119-23.
16. **Dorak MT**. The implications for childhood leukaemia of infection with adenovirus [review]. *Trends in Microbiology* 1996;4(2):60-3.
17. Worwood M, **Dorak MT**, Nicklin S, Stone C, Pointon J, Darke C. The frequency of the haemochromatosis-associated genotype D6S265-1:D6S105-8 in blood donors. *British Journal of Haematology* 1996;93(4):838-40.
18. **Dorak MT**, Mills KI, Poynton C, Burnett AK. HLA and Hodgkin's disease [letter]. *Leukemia* 1996;10(10):1671-2.
19. **Dorak MT**, Mills KI, Poynton C, Burnett AK. HLA and Hodgkin's disease. Reply to Taylor and Gokhale [letter]. *Leukemia* 1997;11(6):892-3.
20. Sunguroglu A, Guc D, Sipahi T, **Dorak MT**. A sex-specific difference in homozygosity for HLA-DR53 in newborns. *Turkish Journal of Paediatrics* 1998;40(2):211-6.
21. **Dorak MT**, Lawson T, Machulla HK, Darke C, Mills KI, Burnett AK. Unravelling an HLA-DR association in childhood acute lymphoblastic leukemia. *Blood* 1999;94(2):694-700 ([www](#)).
22. **Dorak MT**, Sproul AM, Gibson BES, Burnett AK, Worwood M. The C282Y mutation of HFE is another male-specific risk factor for childhood ALL (letter). *Blood* 1999;94(11):3957-8 ([www](#)).
23. Kaslow RA, **Dorak MT**, Tang J. Is protection in HIV infection due to Bw4 or not to Bw4? *Lancet Infectious Diseases* 2001;1(4):221-2.
24. **Dorak MT**, Oguz FS, Yalman N, Diler AS, Kalayoglu S, Anak S, Sargin D, Carin MN. A male-specific increase in the HLA-DRB4 (DR53) frequency in high-risk childhood ALL. *Leukemia Research* 2002;26(7):651-8.
25. **Dorak MT**, Burnett AK, Worwood M. Haemochromatosis gene in leukaemia and lymphoma [[invited review](#)] *Leukemia & Lymphoma* 2002;43(3):467-477.

26. **Dorak MT.** Book Review: Basic Immunology: Functions and Disorders of the Immune System by Abbas & Lichtman, W.B. Saunders Co., 2000. *American Journal of Epidemiology* 2002;155(2):185-6.
27. **Dorak MT,** Folayan GO, Niwas S, Yee LJ, Tang J, van Leeuwen DJ, Kaslow RA. C-C chemokine receptor 2 and C-C chemokine receptor 5 genotypes in patients treated for chronic hepatitis C virus infection. *Immunologic Research* 2002;26(1-3):167-75.
28. Sabek O, **Dorak MT,** Kotb M, Gaber OA, Gaber L. Quantitative detection of T-cell activation markers by real-time PCR in renal transplant rejection and correlation with histopathological evaluation. *Transplantation* 2002;74(5):701-7.
29. Oguz FS, Yalman N, Diler AS, Oguz R, Anak S, **Dorak MT,** Carin MN. HLA-DRB1\*15 and pediatric aplastic anemia (letter). *Haematologica* 2002;87(7):772-4 ([www](#)).
30. **Dorak MT,** Lawson T, Machulla HK, Mills KI, Burnett AK. Increased heterozygosity for MHC class II lineages in newborn males. *Genes & Immunity* 2002;3(5):263-9 ([www](#)).
31. Kotb M, Norrby-Teglund A, McGeer A, El-Sherbini H, **Dorak MT,** Khursid A, Green K, Peeples J, Wade J, Thomson G, Schwartz B., Lowe DE. Immunogenetic and molecular basis for differences in outcomes of invasive group A streptococcal infections. *Nature Medicine* 2002;8(12):1398-1404.
32. Machulla HK, Batnasan D, Steinborn F, Uyar FA, Saruhan-Direskeneli G, Oguz SF, Carin M, **Dorak MT.** Genetic affinities among Mongol ethnic groups and their relationship to Turks. *Tissue Antigens* 2003;61(4):292-299.
33. Oguz FS, Kalayoglu S, Diler AS, Tozkir H, Sargin D, Carin M, **Dorak MT.** HLA system affects the age-at-onset in chronic myeloid leukemia. *American Journal of Hematology* 2003;73(4):256-262 ([www](#)).
34. **Dorak MT,** Tang J, Tang S, Penman-Aguilar A, Coutinho RA, Goedert JJ, Detels R, Kaslow RA. Influence of HLA-B22 alleles on the course of HIV-1 infection in three cohorts of Caucasian men. *Journal of Infectious Diseases* 2003;188(6):856-63 ([www](#)).
35. Uyar FA, **Dorak MT,** Saruhan-Direskeneli S. HLA-A, -B and -Cw alleles and HLA haplotypes in Turkey: Relationship to other populations. *Tissue Antigens* 2004;64(2):180-7.
36. Shao W, Tang J, **Dorak MT,** Song W, Lobashevsky E, Cobbs CS, Wrensch MR, Kaslow RA. Molecular typing of human leukocyte antigen and related polymorphisms following whole genome amplification. *Tissue Antigens* 2004;64(3):286-92.
37. Shao W, Lobashevsky ES, Kaslow RA, **Dorak MT.** MICA intron 1 sequences of conserved extended HLA haplotypes: Implications for sequencing-based typing. *Genes & Immunity* 2004;5(5):371-4.
38. **Dorak MT,** Tang J, Penman-Aguilar A, Westfall AO, Zulu IS, Lobashevsky ES, Schaen MM, Kancheya NG, Allen SA, Kaslow RA. Association of HLA-B allele sharing and individual HLA class I markers with transmission of HIV-1C in serodiscordant heterosexual Zambian couples. *Lancet* 2004;363(9427):2137-9.
39. **Dorak MT,** Burnett AK, Worwood M. HFE gene mutations in susceptibility to childhood leukemia: HuGE review. *Genetics in Medicine* 2005;7(3):159-68 ([www](#)).
40. **Dorak MT,** Yee LJ, Tang J, Shao W, Lobashevsky ES, Jacobson LP, Kaslow RA. HLA-B, -DRB1/3/4/5 and -DQB1 gene polymorphisms in human immunodeficiency virus-related Kaposi's sarcoma. *Journal of Medical Virology* 2005;76(3):302-10.
41. **Dorak MT.** Book Review: Stem Cell Transplantation for Hematologic Malignancies by RJ Soiffer. *Pediatric Hematology and Oncology* 2005;22(3):263-4.
42. Kaslow RA, **Dorak MT,** Tang J. Influence of host genetic variation on susceptibility to HIV type 1 infection. *Journal of Infectious Diseases* 2005; 191(suppl 1):S68-S77 ([www](#)).
43. Tang J, Shao W, **Dorak MT,** Li Y, Miike R, Lobashevsky E, Wiencke JK, Wrensch M, Kaslow RA, Cobbs CS. Positive and negative associations of human leukocyte antigen (HLA) variants with the onset and prognosis of adult glioblastoma multiforme (GBM). *Cancer Epidemiology, Biomarkers & Prevention* 2005;14(8):2040-4 ([www](#)).
44. Shao W, Lazaryan A, **Dorak MT,** Penman-Aguilar A, Wilson CM, Margolick JB, Goedert JJ, Prins M, Tang J, Kaslow RA. Cohort- and time-specific associations of CTLA4 genotypes with HIV-1 disease progression. *AIDS* 2006;20(12):1583-90.
45. **Dorak MT,** Shao W, Machulla HKG, Lobashevsky ES, Tang J, Park MH, Kaslow RA. Conserved extended haplotypes of the major histocompatibility complex: further characterization. *Genes & Immunity* 2006;7(6):450-67.
46. **Dorak MT.** Commentary: HFE H63D variant and leukemia. *Leukemia & Lymphoma* 2006;47(11):2269-79.
47. Pearce MS, Hammal DM, **Dorak MT,** McNally RJQ, Parker L. Paternal occupational exposure to pesticides and/or herbicides as risk factors for cancer in children and young adults. A case-control

- study from the North of England. *Archives of Environmental and Occupational Health* 2006;61(3):138-44.
48. **Dorak MT**, Pearce MS, Hammal DM, McNally, RJQ, Parker L. Examination of gender effect in birth weight and miscarriage associations with childhood cancer. *Cancer Causes & Control* 2007;18(2):219-228.
  49. **Dorak MT**. Genotyping with PCR: how to choose the right approach? *The Scientist* 2007;21(6):70-72 ([www](#)).
  50. **Dorak MT**, McNally RJQ, Parker L. Childhood acute lymphoblastic leukemia and infections (letter). *American Journal of Epidemiology* 2007;166(3):364-5 ([www](#)).
  51. Pearce MS, Hammal DM, **Dorak MT**, McNally RJQ, Parker L. Paternal occupational exposure to electro-magnetic fields as risk factors for cancer in children and young adults. A case-control study from the North of England. *Pediatric Blood & Cancer* 2007;49(3):280-6.
  52. Magnanti BL, **Dorak MT**, Parker L, Craft AW, James PW, McNally RJ. Sex-specific incidence and temporal trends in solid tumours in young people from Northern England, 1968-2005. *BMC Cancer* 2008;8:89 ([www](#)).
  53. Magnanti BL, **Dorak MT**, Parker L, Craft AW, James PW, McNally RJ. Sex-specific incidence and temporal trends in leukaemia and lymphoma in young people from Northern England, 1968-2005. *Haematologica* 2008;93(9):1438-40 ([www](#)).
  54. Ucisik-Akkaya E & **Dorak MT**. A study of natural killer cell lectin-like receptor K1 gene (KLRK1 / NKG2D) region polymorphisms in a European population sample. *Tissue Antigens* 2009; 73(2):177-183
  55. Magnanti BL, **Dorak MT**, Parker L, Craft AW, James PW, McNally RJ. Geographical analysis of thyroid cancer in young people from Northern England: Evidence for a sustained excess amongst females in Cumbria. *European Journal of Cancer* 2009;45:1624-9.
  56. Wang JH, Zheng X, Ke X, **Dorak MT**, Shen J, Boodram B, O'Gorman M, Hershow R, Beaman K, Cotler SJ, Rong L. Ethnic and geographical differences in HLA associations with the outcome of hepatitis C virus infection. *Virology Journal* 2009;6:46 ([www](#)).
  57. Do TN, Ucisik-Akkaya E, Davis CF, Morrison BA, **Dorak MT**. TP53 R72P, MDM2 SNP309 and DAXX polymorphisms in modification of childhood acute lymphoblastic leukemia susceptibility. *Cancer Genetics Cytogenetics* 2009;195(1):31-6.
  58. **Dorak MT**, MacKay RK, Relton CL, Worwood M, Parker L, Hall AG. Hereditary hemochromatosis gene (HFE) variants are associated with birth weight and childhood leukemia risk. *Pediatric Blood Cancer* 2009; 53(7):1242-8
  59. Davis CF, **Dorak MT**. An extensive analysis of the hereditary hemochromatosis gene HFE and neighboring histone genes. *Annals of Hematology* 2010;89(4):375-84.
  60. Do TN, Ucisik-Akkaya E, Davis CF, Morrison BA, **Dorak MT**. An Intronic polymorphism of interferon regulatory factor-4 influences gene transcription in vitro and increases childhood acute lymphoblastic leukemia risk in males. *BBA Molecular Basis of Disease* 2010;1802(2):292-300.
  61. Ucisik-Akkaya E, Davis C, Gorodezky C, Alaez C, **Dorak MT**. HLA complex-linked heat shock protein genes and childhood acute lymphoblastic leukemia susceptibility. *Cell Stress Chaperones* 2010;15(5):475-85 ([www](#)).
  62. Ucisik-Akkaya E, Davis C, Do T, Morrison BA, Stemmer SM, Amadio WJ, **Dorak MT**. Examination of genetic polymorphisms in newborns for signatures of sex-specific prenatal selection. *Molecular Human Reproduction* 2010;16(10):770-7 ([www](#)).
  63. Morrison BA, Ucisik-Akkaya E, Flores H, Gorodezky C, **Dorak MT**. The HLA-DRA and HLA-C-linked multiple sclerosis risk markers are shared by childhood ALL with sex effect. *Autoimmunity* 2010; 43(8):690-7.
  64. Kennedy AE, Singh SK, **Dorak MT**. Re: Genome-wide association study of classical Hodgkin lymphoma and Epstein - Barr virus status-defined subgroups (Scientific Correspondence). *Journal of the National Cancer Institute* 2012;104(11):884-5 ([www](#)).
  65. **Dorak MT** & Amadio WJ. A cautionary note on the reporting of genetic association study results (correspondence). *Journal of Human Genetics* 2012; 57(7):465-6.
  66. Stemmer SM, Adelson ME, Trama JP, **Dorak MT**, Mordechai E. Detection rates of *Trichomonas vaginalis*, in different age groups, using real-time polymerase chain reaction. *Journal of Lower Genital Tract Disease* 2012;16(4):352-7.
  67. **Dorak MT** & Karpuzoglu E. Gender differences in cancer susceptibility: an inadequately addressed issue. *Frontiers in Applied Genetic Epidemiology* 2012;3:268. doi: 10.3389/fgene.2012.00268 ([www](#)).

68. Kennedy AE, Kamdar KY, Lupo PJ, Okcu MF, Scheurer ME, Baum MK, **Dorak MT**. Examination of HFE associations with childhood leukemia risk and extension to other iron regulatory genes. *Leukemia Research* 2014;38(9):1055-60.
69. Kennedy AE, Kamdar KY, Lupo PJ, Okcu MF, Scheurer ME, **Dorak MT**. Genetic markers in a multi-ethnic sample for childhood acute lymphoblastic leukemia risk. *Leuk Lymphoma* 2015;56(1):169-74.
70. Villalba K, Attonito J, Mendy A, Gasana J, Beck-Sague C, Devieux GJ, **Dorak MT**. A Meta-Analysis of the Association between *SLC6A4* Promoter Polymorphism (5-HTTLPR) with Risk of Alcohol Dependence. *Psychiatr Genet* 2015;25(2):47-58.
71. Cheema AK, Li T, Liuzzi JP, Zarini GG, **Dorak MT**, Huffman FG. Genetic Associations of PPARGC1A with Type 2 Diabetes: Differences among Populations with African Origins. *J Diabetes Res* 2015;2015:921274 ([www](#)).
72. Kennedy AE, Kamdar KY, Lupo PJ, Okcu MF, Scheurer M, **Dorak MT**. Birth Characteristics and Childhood Leukemia Risk: Correlations with Genetic Markers. *Journal of Pediatric Hematology / Oncology* 2015;37(5):e301-7.
73. Barahmani N, **Dorak MT**, Forman MR, Sprehe MR, Scheurer ME, Bondy ML, Okcu MF, Lupo PJ. Evaluating the role of birth weight and gestational age on acute lymphoblastic leukemia risk among those of Hispanic Ethnicity (United States). *Pediatr Hematol Oncol* 2015;32(6):382-9.
74. Ezzat S, Rashed WM, Salem S, **Dorak MT**, El-Daly M, Abdel-Hamid M, Sidhom I, El-Hadad A, Loffredo C. Environmental, maternal, and reproductive risk factors for childhood acute lymphoblastic leukemia in Egypt: a case-control study. *BMC Cancer* 2016;16:662 ([www](#)).
75. Singh SK, Lupo PJ, Scheurer ME, Saxena A, Kennedy AE, Ibrahimou B, Barbieri MA, Mills KI, McCauley JL, Okcu MF, **Dorak MT**. A childhood acute lymphoblastic leukemia genome-wide association study identifies novel sex-specific risk variants. *Medicine* 2016;95(46):e5300 ([www](#)).
76. Singh SK, **Dorak MT**. Cancer immunoprevention and public health (review). *Frontiers Public Health (Epidemiology)* 2017;5:101 ([www](#)).
77. Kennedy AE, Ozbek U, **Dorak MT**. What has GWAS done for HLA and disease associations? *International Journal of Immunogenetics* 2017;44(5):195-211 ([www](#)).
78. Cappelli LC, **Dorak MT**, Bettinotti MP, Bingham CO 3rd, Shah AA. Association of HLA-DRB1 shared epitope alleles and immune checkpoint inhibitor-induced inflammatory arthritis. *Rheumatology (Oxford)* 2019;58(3):476-80; doi: [10.1093/rheumatology/key358](https://doi.org/10.1093/rheumatology/key358)
79. Benedetti S, Al-Tannak NF, Alzharani M, Moir HJ, Stensel DJ, Thackray AE, Naughton DP, **Dorak MT**, Spendiff O, Hill N, Watson DG, Allgrove J. Plasma Free Fatty Acids Metabolic Profile with LC-MS and Appetite-Related Hormones in South Asian and White European Men in Relation to Adiposity, Physical Activity and Cardiorespiratory Fitness: A Cross-Sectional Study. *Metabolites* 2019;9(4):71. doi: [10.3390/metabo9040071](https://doi.org/10.3390/metabo9040071)
80. Vega JL, Emmady P, Roels C, Conforti J, Ramirez C, **Dorak MT**. The Magnitude of Postconvulsive Leukocytosis Mirrors the Severity of Periconvulsive Respiratory Compromise: A Single Center Retrospective Study. *Front Neurol* 2019;10:1291. doi: [10.3389/fneur.2019.01291](https://doi.org/10.3389/fneur.2019.01291)
81. Kobat H, Elkonaissi I, **Dorak MT**, Nabhani-Gebara S. Management of COVID-19 in cancer patients receiving cardiotoxic anti-cancer therapy. Future recommendations for cardio-oncology. *Oncol Rev* 2021;15(1):510. doi: [10.4081/oncol.2021.510](https://doi.org/10.4081/oncol.2021.510)
82. Kobat H, Elkonaissi I, Foreman E, O'Brien M, **Dorak MT**, Nabhani-Gebara S. Investigating the efficacy of osimertinib and crizotinib in phase 3 clinical trials on anti-cancer treatment-induced cardiotoxicity: are real-world studies the way forward? *J Oncol Pharm Pract* 2022; 10781552221077417. doi: [10.1177/10781552221077417](https://doi.org/10.1177/10781552221077417)
83. Johnson C, Schiffenbauer AI, Miller FW, Perin J, Danoff SK, Diwadkar AR, Joo J, Himes BE, Meyer NJ; Myositis-ILD Study Group (incl **Dorak MT**). Human Leukocyte Antigen Alleles Associated with Interstitial Lung Disease in North Americans with Idiopathic Inflammatory Myopathy. *Am J Respir Crit Care Med* 2023;207(5):619-622

For reprint requests, please write to me via this [link](#)

## BOOKS

1. **Dorak MT** (Ed): *Real-Time PCR* (Advanced Methods Series). Taylor and Francis, Oxford, UK, 2006 (ISBN 0-4153-7734-X) ([www](#))
2. Roy D & **Dorak MT** (Eds): *Environmental Factors, Genes, and the Development of Human Cancers*. Springer, New York, USA, 2010 (ISBN 978-1-4419-6751-0) ([www](#))

3. **Dorak MT**: *Genetic Association Studies: A Practical Guide to Basic Genetic Epidemiology*. Garland Science, 2016 (ISBN: [978-0-8153-4463-6](#)) (Reviewed in [Human Genetics 2017](#))

## BOOK CHAPTERS

1. **Dorak MT**, Poynton CH. HLA matching and compatibility testing. In: J Barrett & J Treleaven (Eds): *The Clinical Practice of Stem-Cell Transplantation*. Oxford: Isis Medical Media Ltd 1998, Vol. 1, pp. 325-350.
2. Kaslow RA, Tang J, **Dorak MT**. The role host genetic variation in HIV infection and its manifestations. In: Wormser GP (Ed): *AIDS and Other Manifestations of HIV Infection*. 4th Edition. Elsevier (USA), 2004, pp.285-302.
3. Tang J, Tang S, Rivers CA, **Dorak MT**, Penman-Aguilar A, Aldrovandi G, Allen S, Karita E, Musonda R, Kaslow RA. Distinct and evolving HLA class I profiles in native Africans with high prevalence of HIV/AIDS. In: Hansen JA & Dupont B (Eds): *HLA 2004: Immunobiology of the Human MHC*. MHC: Proceedings of the 13th International Histocompatibility Workshop and Congress. Seattle: IHWG Press, 2006, Vol.2, pp. 402-407.
4. **Dorak MT**. Role of natural killer cell and killer immunoglobulin-like receptor polymorphisms. In: Beksac M (Ed): *Methods in Molecular Medicine, Vol. 134: Bone Marrow and Stem Cell Transplantation*. Humana Press, Totowa, New Jersey 2007, pp.123-144.
5. Martin MP, **Dorak MT**, Carrington M. Killer Immunoglobulin-like and related receptors: Genes, variation, and pathophysiologic mechanisms. In: Kaslow RA & Hill AV (Eds). *Genetic Susceptibility to Infectious Diseases*, Oxford University Press, 2008, pp. 89-106.
6. Ucisik-Akkaya E & **Dorak MT**. Environment, genetic immunology and childhood cancer. In: Roy D & Dorak MT (Eds): *Environmental Factors, Genes, and the Development of Human Cancers*. Springer, New York, USA, 2010, pp. 277-302 ([www](#)).
7. Davis CF & **Dorak MT**. Iron excess and cancer. In: Roy D & Dorak MT (Eds): *Environmental Factors, Genes, and the Development of Human Cancers*. Springer, New York, USA, 2010, pp. 445-476 ([www](#)).
8. **Dorak MT**. Bias in Epidemiologic Research. In: Rippe JM (Ed): *Encyclopedia of Lifestyle Medicine and Health*. Sage Publications USA, Thousand Oaks, CA, 2012 ([www](#)).
9. **Dorak MT**. Gene-environment interactions in childhood cancer. In: Nriagu J (Ed): *Encyclopedia of Environmental Health*. Elsevier BV, Amsterdam, Netherlands, 2011 ([www](#)).
10. **Dorak MT** & Yazici H. Biomarkers, genetic association, and genomic studies. In: Yazici H, Yazici Y, Lesaffre E (eds). *Understanding Evidence-Based Rheumatology: A Guide to Interpreting Criteria, Drugs, Trials, Registries, and Ethics*. Springer International Publishing AG, 2014, pp. 79-126 ([www](#)).
11. **Dorak MT**. Cancer: Gender differences at the molecular level. In: Legato MJ & Dauber W (Eds). *Principles of Gender-Specific Medicine - Gender in the Genomic Era*. Third Edition. Elsevier (ISBN: 9780128035061), 2017, pp. 401-416 ([www](#)).
12. **Dorak MT**. Management in Life Sciences. In: *Management for Scientists* (Ed: Mellor RB), 2019 by Emerald Publishing Limited, pp. 175–185 (ISBN: [978-1787692046](#))
13. **Dorak MT**. Cancer: Gender differences at the molecular level. In: Legato MJ & Dauber W (Eds). *Principles of Gender-Specific Medicine - Gender in the Genomic Era*. Fourth Edition. Elsevier (ISBN [978-0323885348](#)), 2023, pp. 463-476

## INTERNET PUBLICATIONS

Home Page	<a href="http://www.dorak.info">http://www.dorak.info</a>
Genetics Notes	<a href="http://www.dorak.info/genetics">http://www.dorak.info/genetics</a>
Genome Biology Notes	<a href="http://www.dorak.info/genbiol">http://www.dorak.info/genbiol</a>
Immunogenetics Notes	<a href="http://www.dorak.info/immgenet.html">http://www.dorak.info/immgenet.html</a>
Epidemiology Notes	<a href="http://www.dorak.info/epi">http://www.dorak.info/epi</a>
incl Genetic Epidemiology:	<a href="http://www.dorak.info/epi/genetepi.html">http://www.dorak.info/epi/genetepi.html</a>
Biostatistics Notes	<a href="http://www.dorak.info/stat">http://www.dorak.info/stat</a>
Evolutionary Biology Notes	<a href="http://www.dorak.info/evolution">http://www.dorak.info/evolution</a>

And other notes accessible through these pages.

**Dorak MT.** TFRC (transferrin receptor (p90, CD71)). Atlas Genet Cytogenet Oncol Haematol. April 2008.

URL: <http://AtlasGeneticsOncology.org/Genes/TFRCID259ch3q29.html>

**Dorak MT.** HFE (hemochromatosis). Atlas Genet Cytogenet Oncol Haematol. March 2008.

URL: <http://AtlasGeneticsOncology.org/Genes/HFEID44099ch6p22.html>

## PRESENTATIONS IN INTERNATIONAL CONFERENCES

1. **Dorak MT**, Yegin O, Unal S, Yakupoglu G. Effect of cimetidine on neutrophil chemotaxis in patients with chronic renal failure. Ninth European Federation of Immunological Societies Meeting, Rome, Italy, 1988
2. **Dorak MT**, Unal S, Yegin O. HLA antigen frequencies and linkage disequilibrium in the Turkish population. Tenth European Federation of Immunological Societies Meeting, Edinburgh, 1990
3. **Dorak MT**, Chalmers EA, Wilson DWL, Henderson N, Crichton WB, Burnett AK. An extended HLA haplotype association in chronic myeloid leukaemia. Eleventh European Federation of Immunological Societies Meeting, Helsinki, Finland, 1991
4. **Dorak MT**, Mills KI, Wilson DWL, Henderson N, Burnett AK. A molecular analysis of the HLA-DQA locus in CML. Eighth International Congress of Immunology, Budapest, Hungary, 1992
5. **Dorak MT**, Chalmers EA, Sproul AM, Mills KI, Burnett AK. An assessment of donor/recipient MHC disparity and chimerism following T-cell depleted bone marrow transplantation. Fifth Meeting of the Mediterranean Blood Club, Antalya, Turkey, 1990
6. Chalmers EA, **Dorak MT**, Sproul AM, Mills KI, Gibson BES, Burnett AK. Complement C4 DNA-typing in bone marrow transplantation. Paper presented in the British Society for Haematology and the British Society for Haemostasis & Thrombosis Combined Scientific Meeting, Glasgow. Br J Haematol 1991;77(suppl 1):70
7. Chalmers EA, **Dorak MT**, Sproul AM, Burnett AK. Graft rejection associated with HLA-DP mismatching in allogeneic bone marrow transplantation. The British Transplantation Society and the British Society for Histocompatibility and Immunogenetics Joint Autumn Meeting, London, 1991
8. **Dorak MT**, Chalmers EA, Sproul AM, Mills KI, Burnett AK. MHC class III DNA-polymorphisms in bone marrow transplantation. The British Transplantation Society and the British Society for Histocompatibility and Immunogenetics Joint Autumn Meeting, London, 1991
9. **Dorak MT**, Chalmers EA, Wilson DW, Galbraith I, Henderson N, Crichton WB, Burnett AK. Nature of HLA association in leukaemia. Paper presented in the Third Annual Meeting of the British Society for Histocompatibility and Immunogenetics, Stirling, 1992. Eur J Immunogenet 1992;19:72
10. **Dorak MT**, Wilson DWL, Galbraith I, Henderson N, Crichton WB, Burnett AK. HLA antigen and haplotype frequencies in the West of Scotland. Paper presented in the Third Annual Meeting of the British Society for Histocompatibility and Immunogenetics, Stirling, 1992. Eur J Immunogenet 1992;19:71
11. **Dorak MT**, Chalmers EA, Sproul AM, Mills KI, Burnett AK. An analysis of the MHC class III region using C4, Bf, HSP and TNF DNA-probes in matched unrelated BMT. Eighteenth Annual Meeting of the EBMT, Stockholm, 1992
12. **Dorak MT**, Mills KI, Burnett AK. Relevance of t-complex in leukaemogenesis. Twenty-fourth Congress of the International Society of Haematology, London, 1992
13. **Dorak MT**, Mills KI, Burnett AK. A molecular analysis of the major histocompatibility complex (MHC) in chronic myeloid leukaemia (CML). Second International Conference on Chronic Myeloid Leukaemia, Bologna, Italy, 1992
14. **Dorak MT**, Wilson DW, Galbraith I, Henderson N, Mills KI, Burnett AK. RFLP analysis of the HLA-B locus. Fourth Annual Meeting of the British Society for Histocompatibility and Immunogenetics, Southampton, 1993. Eur J Immunogenet 1992;19:440
15. **Dorak MT**, Wilson DW, Galbraith I, Henderson N, Mills KI, Burnett AK. A molecular analysis of the MHC class III region. Fourth Annual Meeting of the British Society for Histocompatibility and Immunogenetics, Southampton, 1993. Eur J Immunogenet 1992;19:441
16. **Dorak MT**, Chalmers EA, Wilson DW, Galbraith I, Henderson N, Mills KI, Burnett AK. Genotypic analysis of the entire MHC in phenotypically HLA-matched unrelated bone marrow donor-recipient pairs. Fourth Annual Meeting of the British Society for Histocompatibility and Immunogenetics, Southampton, 1993. Eur J Immunogenet 1992;19:442
17. **Dorak MT**, Gaffney D, Wilson DW, Galbraith I, Henderson N, Mills KI, Burnett AK. HLA class II gene frequencies and homozygosity rates in the West of Scotland. Fourth Annual Meeting of the British Society for Histocompatibility and Immunogenetics, Southampton, 1993. Eur J Immunogenet 1992;19:443
18. **Dorak MT**, Chalmers EA, Wilson DW, Galbraith I, Henderson N, Mills KI, Burnett AK. Lack of association between HLA-B and -Cw4 in chronic myeloid leukaemia. Fourth Annual Meeting of the British Society for Histocompatibility and Immunogenetics, Southampton, 1993. Eur J Immunogenet 1992;19:445
19. **Dorak MT**, Gaffney D, Wilson DW, Galbraith I, Henderson N, Mills KI, Burnett AK. Are there human t-haplotypes? Fourth Annual Meeting of the British Society for Histocompatibility and Immunogenetics, Southampton, 1993. Eur J Immunogenet 1992;19:444

20. Raha-Chowdhury R, **Dorak MT**, Burnett AK, Worwood M. Investigation of homozygous genotypes in the HLA-A region in haemochromatosis (HFE). International Conference on Haemochromatosis, Jerusalem, Israel, 1993
21. **Dorak MT**, Raha-Chowdhury R, Mills KI, Worwood M, Burnett AK. A molecular investigation of homozygosity for HLA-A3. Annual Scientific Meeting of the British Society for Haematology, Bournemouth, 1993. Br J Haematol 1993;84(suppl 1):59
22. **Dorak MT**, Mills KI, Worwood M, Burnett AK. Human and mouse Mhc share the same secondary leukaemia susceptibility genes. Annual Scientific Meeting of the British Society for Haematology, Bournemouth, 1993. Br J Haematol 1993;84(suppl 1):6
23. Sproul A, Salamat A, Tansey P, Campbell M, Burnett AK, Mills K, Dorak T, Stewart J, Richmond L, Franklin M. Re-establishment of Philadelphia chromosome negative haemopoiesis after autologous BMT following rejection of matched unrelated BMT in chronic myeloid leukaemia. Annual Scientific Meeting of the British Society for Haematology, Bournemouth, 1993. Br J Haematol 1993;84(suppl 1):50
24. **Dorak MT**, Owen G, Webb D, Mills KI, Burnett AK. Nature of HLA association in childhood acute lymphoblastic leukemia. Nineteenth Annual Meeting of the American Society of Histocompatibility and Immunogenetics, Phoenix, AZ, 1993. Hum Immunol 1993(suppl. 1);37:65
25. **Dorak MT**, Raha-Chowdhury R, Owen G, Worwood M, Mills KI, Burnett AK. A molecular analysis of two HLA-A3 subtypes: relevance to disease associations. Nineteenth Annual Meeting of the American Society of Histocompatibility and Immunogenetics, Phoenix, AZ, 1993. Hum Immunol 1993(suppl. 1);37:19
26. Worwood M, Raha-Chowdhury R, **Dorak MT**, Darke C, Burnett AK. Microsatellite markers in the HLA class I region and haemochromatosis. First Meeting of the European Haematology Association, Brussels, Belgium, 1994. Br J Haematol 1994;87 (suppl 1):142
27. **Dorak MT**, Owen G, Webb D, Worwood M, Burnett AK. HLA-A-linked locus D6S265 is associated with increased susceptibility to common acute lymphoblastic leukaemia. First Educational Convention of the European School of Oncology. Paris, France, 1994. Eur J Cancer 1994;30A(suppl 1):S2
28. **Dorak MT**, Lee-Jones L, Mills KI, Burnett AK. Homozygosity for HLA-A\*0301 reveals a high risk for young-onset chronic myeloid leukaemia. First Educational Convention of the European School of Oncology. Paris, France, 1994. Eur J Cancer 1994;30A(suppl 1):S2
29. Machulla HK, Hentschel M, **Dorak MT**, Mills KI, Burnett AK. HLA-DR4 subtypes in chronic myeloid and chronic lymphoid leukemia. Twentieth Annual Meeting of the American Society of Histocompatibility and Immunogenetics, 1994, Hum Immunol 1994;40(suppl 1):98
30. **Dorak MT** & Darke C. Age and sex-specific HLA DQA1 gene and genotype frequencies. Twentieth Annual Meeting of the American Society of Histocompatibility and Immunogenetics, 1994, Hum Immunol 1994;(40(suppl 1):100
31. **Dorak MT**. Evolutionary implications of the HLA-DR53 associations with early-onset hemopoietic malignancies. Twentieth Annual Meeting of the American Society of Histocompatibility and Immunogenetics, 1994, Hum Immunol 1994;40(suppl 1):101
32. **Dorak MT**, Mills KI, Worwood M, Burnett AK. Similarities in HLA-A3 associations with leukemia and hemochromatosis. Twentieth Annual Meeting of the American Society of Histocompatibility and Immunogenetics, 1994, Hum Immunol 1994;40(suppl 1):4. **Selected as an outstanding abstract submitted for this meeting and awarded an ASHI scholarship.**
33. Worwood M, **Dorak MT**, Darke C. The frequency of the haemochromatosis-associated genotype D6S262-1 : D6S105-8 in blood donors. Fifth Conference of the International Association for the Study of Disorders of Iron Metabolism. Boston, USA, 1995
34. **Dorak MT**, Machulla H, Hentschel M, Mills KI, Burnett AK. The influence of HLA-DR53 on the age of onset in chronic lymphoid leukaemia. Thirty-fifth Annual Scientific Meeting of the British Society for Haematology. Brighton, 1995, Br J Haematol 1995;89 (suppl 1):78
35. **Dorak MT** & Darke C. Consequences of HLA associations with lethal diseases. Twenty-first Annual Meeting of the American Society of Histocompatibility and Immunogenetics, 1995, Hum Immunol 1995;44 (suppl 1):74
36. **Dorak MT**, Darke C, Worwood M. Heterogeneity among HLA-A\*0301 haplotypes. Twenty-first Annual Meeting of the American Society of Histocompatibility and Immunogenetics, 1995, Hum Immunol 1995;44 (suppl 1):11
37. **Dorak MT**, Poynton C, Burnett AK. A molecular analysis of the HLA class I region in Hodgkin's disease. Twenty-first Annual Meeting of the American Society of Histocompatibility and Immunogenetics, 1995, Hum Immunol 1995;44 (suppl 1):75
38. **Dorak MT**, Mills KI, Machulla HKG, Hentschel M, Langner J, Burnett AK. Major histocompatibility complex is an interactive factor in human leukemogenesis. Twenty-first Annual Meeting of the American Society of Histocompatibility and Immunogenetics, 1995, Hum Immunol 1995;44 (suppl 1):84
39. Hentschel M, Machulla HKG, **Dorak MT**, Schaaf A, Langner J, Burnett AK. DRB1\*04 alleles in different groups of healthy probands and leukaemic patients. Tenth Meeting of the European Society for Haemapheresis & 28th Meeting of the German Society for Transfusion Medicine and Immunohaematology. Infusionstherapie & Transfusionsmedizin 1995;22(suppl 2):14
40. **Dorak MT**, Poynton CH, Burnett AK. The role of the major histocompatibility complex in the development of Hodgkin's disease. Eur J Immunogenet 1996;23:84
41. **Dorak MT** & Darke C. Homozygosity for HLA-DR52 and -DR53 haplotypes show opposite trends in the normal population. Eur J Immunogenet 1996;23:85

42. **Dorak MT**, Machulla HKG, Schaaf A, Kloss C, Burnett AK. A supertypic DR53 haplotype shows a deficit in homozygous form in a sample of German population. *Eur J Immunogenet* 1996;23:85
43. **Dorak MT**, McKinna FE, AK Burnett, Barrett-Lee PJ. An association between breast cancer and HLA-DR53. *Br J Cancer* 1996;73(suppl XXVI):70
44. **Dorak MT**, Darke C, Schaaf A, Machulla HKG, Mills KI, Burnett AK. A gender effect in HLA association with childhood leukemia. *Hum Immunol* 1996;49(suppl 1):64
45. **Dorak MT**, McKinna F, Schaaf A, Machulla HKG, Darke C, Burnett AK, Barrett-Lee P. Major histocompatibility complex and breast cancer. *Hum Immunol* 1996;49(suppl 1):70
46. **Dorak MT**, Lawson TM, Parsons A, Darke C, Burnett AK. A deficit of homozygosity for HLA-DRB4\*01 in Welsh newborn boys. *Eur J Immunogenet* 1998;25(1):54
47. **Dorak MT**, Parsons A, Darke C. Genetic Epidemiology of homozygosity for HLA-DRB4\*01 (DR53) and its haplotypes. *Eur J Immunogenet* 1998;25(1):54
48. Machulla HKG, Muller L, Schonermarck U, **Dorak MT**, Kloss C, Schaaf A, Kujat G, Langner J. The frequencies of HLA-A,B, DRB1, DRB3/4/5, DQB1, DPB1 alleles in a group of German CLL patients. *Eur J Immunogenet* 1998;25(Suppl 1):56
49. **Dorak MT**, Lawson T, Machulla HKG, Parsons A, Mills KI, Burnett AK. A male-specific HLA association in childhood leukaemia. *Br J Haematol* 1998;101 (Suppl 1):35
50. **Dorak MT**, Machulla HKG, Lawson T, Darke C, Mills KI, Burnett AK. A candidate genetic marker for reproductive failure. *Hum Immunol* 1998;59(Suppl 1):159
51. **Dorak MT**, Darke C, Mills KI, Burnett AK. A molecular investigation of linkage disequilibrium within three regions of the major histocompatibility complex. *Eur J Immunogenet* 1999;26(1):50
52. **Dorak MT**, Mills KI, Burnett AK. Factor B and HSP70-2 polymorphisms in childhood acute lymphoblastic leukaemia (ALL). *Eur J Immunogenet* 1999;26(1):56.
53. **Dorak MT**, Mills KI, Burnett AK. MHC class III polymorphisms in childhood acute lymphoblastic leukaemia. *Br J Haematol* 1999;105(Suppl 1):68
54. **Dorak MT**, Burnett AK, Worwood M. The frequency of C282Y mutation in the HFE gene in newborns and in childhood acute lymphoblastic leukaemia. *Br J Haematol* 1999;105(Suppl 1):76
55. **Dorak MT**, Mills KI, Burnett AK. An analysis of the entire HLA complex in childhood acute lymphoblastic leukaemia. The Fourth Congress of the European Haematology Association. Barcelona, 1999. *Haematologica* 1999;84 (EHA-4 Abstract Book):111
56. **Dorak MT**, Poynton CH, Burnett AK, Worwood M. Frequency of HFE C282Y mutation in haemopoietic malignancies. The Fourth Congress of the European Haematology Association. Barcelona, 1999. *Haematologica* 1999;84 (EHA-4 Abstract Book):252
57. **Dorak MT**, Burnett AK, Poynton CH. Tumour necrosis factor and heat shock protein 70-2 polymorphisms in Hodgkin's disease. The Fourth Congress of the European Haematology Association. Barcelona, 1999. *Haematologica* 1999;84 (EHA-4 Abstract Book):158
58. **Dorak MT**, Machulla HKG, Darke C, Poynton CH, Barrett-Lee P, Burnett AK. Overall homozygosity for HLA class II supertypes is increased in malignancies. Paper presented in the 25th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. New Orleans, LA, 1999. *Hum Immunol* 1999;60(Suppl 2):S13
59. **Dorak MT**, Darke C, Poynton CH. Molecular analysis of the MHC in Hodgkin's disease: association with a supertypic homozygous genotype. Paper presented in the 25th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. New Orleans, LA, 1999. *Hum Immunol* 1999;60(Suppl 2):S70
60. **Dorak MT**, Sproul AM, Gibson BES, Burnett AK, Worwood M. HFE C282Y mutation is a risk factor for childhood leukemia in males. Paper presented in the 25th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. New Orleans, LA, 1999. *Hum Immunol* 1999;60(Suppl 2):S70
61. **Dorak MT**, Lawson T, Burnett AK. Evidence for prenatal selection of homozygous supertypic genotypes in males. Paper presented in the 25th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. New Orleans, LA, 1999. *Hum Immunol* 1999;60(Suppl 2):S142
62. **Dorak MT**, Sproul AM, Machulla HKG, Burnett AK, Gibson BES. Confirmation of the male-specific HLA-DRB4\*01 association in childhood leukaemia. Paper presented in the 11th Annual Meeting of the British Society for Histocompatibility and Immunogenetics. Manchester, 2000. *Eur J Immunogenet* 2000;27(4):262
63. **Dorak MT**, Lawson T, Machulla HKG, Burnett AK. Evidence for heterozygote advantage and sexual antagonism in MHC-mediated prenatal selection. Paper presented in the 11th Annual Meeting of the British Society for Histocompatibility and Immunogenetics. Manchester, 2000. *Eur J Immunogenet* 2000;27(4):257. **Selected as one of the three best abstracts**
64. **Dorak MT**, Machulla HKG, Darke C, Burnett AK. The biallelic polymorphism of HSP70-2 correlates with the genealogy of the HLA-DRB1 genes. Paper presented in the 26th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Orlando, FL, 2000. *Hum Immunol* 2000;61(Suppl 2):S54
65. **Dorak MT**, Lawson T, Machulla HKG, Schaaf A, Darke C, Burnett AK. Prenatal heterozygote advantage concerns supertypic families of HLA-DRB haplotypes and is male-specific. Paper presented in the 26th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Orlando, FL, 2000. *Hum Immunol* 2000;61(Suppl 2):S55



66. Machulla HKG, Batnasan D, Steinborn F, Sproul A, Uyar FA, Saruhan-Direskeneli G, Oguz SF, Carin M, **Dorak MT**. Genetic affinities among Mongol ethnic groups and their relationship to Turks and Western European populations. Paper presented in the 27th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Francisco, CA, 2001. Hum Immunol 2001;62(Suppl 1):S63
67. **Dorak MT**, Tang J, Sunguroglu A, Kaslow RA. Haplotype-specific killer cell immunoglobulin-like receptor genes in several human populations. Paper presented in the 27th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Francisco, CA, 2001. Hum Immunol 2001;62(Suppl 1):S60.
68. **Dorak MT**, Hilliard C, Peeples J, Low D, Kotb M. TNF microsatellites and streptococcal toxic shock syndrome. Presented at the 27th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Francisco, CA, 2001. Hum Immunol 2001;62(Suppl 1):S30
69. Kotb M, Norrby-Teglund A, **Dorak MT**, Kurshid A, Hollenbach J, Peeples J, Thomson G, Guedez Y, Low D. Host immunogenetic factors determine the outcome of invasive group A streptococcal infections. Presented at the the 27th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Francisco, CA, 2001. Hum Immunol 2001;62(Suppl 1):S77
70. Kaslow RA, Tang J, **Dorak MT**, Schaen M, Jacobson L, Margolick J. HLA and chemokine receptor (CCR) polymorphisms show strong joints associations with early mean HIV-1 RNA concentration and progression of HIV-1 infection in the multicenter AIDS cohort study (MACS). Presented at the [39th Annual Meeting of the Infectious Disease Society of America](#). San Francisco, CA, 2001 (Abstract # 781; page 1221)
71. **Dorak MT**, Oguz FS, Yalman N, Diler AS, Kalayoglu S, Anak S, Sargin D, Carin MN. A male-specific increase in the HLA-DRB4 (DR53) frequency in high-risk childhood ALL. Presented at the 43rd ASH Annual Meeting of the American Society for Hematology. Orlando, FL, 2001. Blood 98:11 (part 1):1348
72. **Dorak MT**, Machulla HKG, Lawson T, Mills KI, Burnett AK. A female-specific susceptibility marker for childhood ALL in the TNF subregion of the HLA complex. Presented at the 43rd ASH Annual Meeting of the American Society for Hematology. Orlando, FL, 2001. Blood 98:11 (part 1):1339
73. Kaslow RA, Tang J, **Dorak MT**, Tang S, Musonda R, Karita E, Wilson C, Allen S. Homozygosity for HLA-Bw4 is not associated with protection of HIV-1-infected persons of African ancestry. Presented at the [9th Conference on Retroviruses and Opportunistic Infections](#), Seattle, 2002
74. **Dorak MT**, Tang J, Tang S, Coutinho R, Goedert JJ, Detels R, Kaslow RA. Association of HLA-B22 with increased plasma HIV-1 RNA concentration and accelerated progression to AIDS in Caucasian cohorts. Presented at the [9th Conference on Retroviruses and Opportunistic Infections](#), Seattle, 2002. (Abstract # D91e, Poster # 319-W)
75. Tang J, Tang S, **Dorak MT**, Fideli U, Lobashevsky E, Musonda R, Karita E, Allen S, Kaslow RA. Distinct and evolving HLA class I profiles in Native Africans with high prevalence of HIV-1 infection. [International Congress of Histocompatibility and Immunogenetics](#), Seattle, WA, 2002. Tissue Antigens 2002;59 Suppl. 2:33-34
76. **Dorak MT**, Tang J, Westfall AO, Zulu IS, Lobashevsky ES, Leakeas CL, Schaen MM, Kancheya NG, Allen SA, Kaslow RA. HLA class I effects on transmission of HIV-1c in heterosexual Zambian couples: Risk of concordant HLA-B alleles. Paper presented at XIV International AIDS Conference, Barcelona, Spain, 2002. Abstract # WePeA5765 (Abstract Book, Vol II, p.18)
77. **Dorak MT**, Folayan GO, Murrin NA, Kaslow RA. NOTCH4, CYP21B, HSP70-2 and TNF microsatellite loci polymorphisms in ancestral MHC haplotypes. Paper presented at the British Society for Histocompatibility and Immunogenetics (BSHI) Annual Meeting. **Selected as the Best Overseas Abstract**. Glasgow, Scotland, 2002. Eur J Immunogenet 2002;29(4):355
78. **Dorak MT**, Conn WP, Turner EV. Increased frequency of HLA-B62 in childhood acute myeloid leukaemia (AML). Paper presented at the British Society for Histocompatibility and Immunogenetics Annual Meeting, Glasgow, Scotland, 2002. Eur J Immunogenet 2002;29(4):360
79. Norrby-Teglund A, McGeer A, **Dorak MT**, Low D, Kotb M. Genetic variation affecting in vivo cytokine responses and severity of invasive streptococcal infections. Paper presented in the 28th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Nashville, TN, 2002. Hum Immunol 2002;63(10 Suppl):S32
80. Tang J, Penman-Aguilar A, Lobashevsky E, **Dorak MT**, Zulu I, Aldrovandi G, Allen S, Kaslow R. HLA class II allele sharing in Zambian couples: from mate selection to HIV infection. Paper presented in the 28th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Nashville, TN, 2002. Hum Immunol 2002;63(10 Suppl):S25
81. **Dorak MT**, Hilliard C, Kotb M. TNF microsatellite polymorphisms in ancestral haplotypes in relation to other MHC polymorphisms. Paper presented in the 28th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Nashville, TN, 2002. Hum Immunol 2002;63(10 Suppl):S26.
82. **Dorak MT**, Folayan G, Lobashevsky E, Tang J, Kaslow R. Relationship between the endothelin-1 locus and HLA-A. Paper presented in the 28th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Nashville, TN, 2002. Hum Immunol 2002;63(10 Suppl):S40
83. Oko M, Swan I, Stansby G, **Dorak MT**. HLA-A, -B, -DR alleles and Zenker's diverticulum. Paper presented in the 28th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Nashville, TN, 2002. Hum Immunol 2002;63(10 Suppl):S60
84. Oguz F, Kalayoglu S, Diler A, Tozkir H, Sargin D, Carin M, **Dorak MT**. HLA-A, -B, -DR alleles and chronic myeloid leukemia. Paper presented in the 28th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Nashville, TN, 2002. Hum Immunol 2002;63(10 Suppl):S60

85. **Dorak MT**, Shao W, Lobashevsky ES, Tang J, Kaslow RA. Genetic polymorphisms of endothelial growth factor Endothelin-1 may modify susceptibility to HIV-associated Kaposi's sarcoma (KS). Poster presentation at the 10th Conference on Retroviruses and Opportunistic Infections (CROI). February 10-14, 2003, Boston, MA.
86. **Dorak MT**, Tang J, Penman-Aguilar A, Westfall AO, Zulu, I Lobashevsky ES, Kancheya NG, Schaen MM, Allen SA, Kaslow RA. Risk of concordance at HLA-B and other HLA class I effects in heterosexual transmission of HIV-1C in Zambian couples (Abstract #485). Poster presentation at the AIDS Vaccine 2003 Conference. Sept 18-21, 2003, New York, NY
87. **Dorak MT**, Shao W, Lobashevsky ES, Tang J, Kaslow RA. The C282Y mutation of HFE is a risk factor for HIV-related Kaposi's sarcoma. Poster presentation at the 29th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Miami, FL, 2003. Hum Immunol 2003;64 (10, Suppl 1):S145
88. **Dorak MT**, Shao W, Schaaf A, Lawson T, Machulla HKG. Ancestral haplotype 44.2 and prenatal selection. Poster presentation at the 29th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Miami, FL, 2003. Hum Immunol 2003;64 (10, Suppl 1):S164
89. Lobashevsky ES, **Dorak MT**, Tang J, Tang S, Zulu I, Allen S, Kaslow RA. MICA exon 5 short tandem repeat polymorphism and HLA haplotypes in Zambians. Poster presentation at the 29th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Miami, FL, 2003. Hum Immunol 2003;64 (10, Suppl 1):S176
90. Shao W, **Dorak MT**, Tang J, Kaslow RA. Genetic analysis of the promoter region of the MHC-encoded natural cytotoxicity receptor gene 1C7. Poster presentation at the 29th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Miami, FL, 2003. Hum Immunol 2003;64 (10, Suppl 1):S165
91. Machulla HKG, Shao W, Lobashevsky ES, Batnasan D, **Dorak MT**. Molecular characterization of the Mongolian ancestral haplotype 58.1 (B\*5801-DRB1\*0301) and comparison with Caucasian and African DRB1\*0301 haplotypes. Poster presentation at the 29th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Miami, FL, 2003. Hum Immunol 2003;64 (10, Suppl 1):S165
92. **Dorak MT**, Shao W, Mills KI, Burnett AK. Endothelin-1 gene shows a gender-specific association with childhood acute lymphoblastic leukemia. Poster presentation at the 45th Annual Meeting of the American Society for Hematology (ASH). San Diego, CA, Dec 6-9, 2003. Blood 2003;102(11, Part 1):2212
93. **Dorak MT**, Relton CL, Hammal D, Hall AG, Parker L. HFE-C282Y association in childhood ALL: Pointing towards iron? Poster presentation at the Children with Leukaemia Conference, London, Sept 6-10, 2004
94. Hammal D, Pearce MS, **Dorak MT**, Parker L. Paternal occupation as a risk factor for leukaemia and Non-Hodgkin's lymphoma in children and young adults. A study from the North of England. Poster presentation at the Children with Leukaemia Conference, London, Sept 6-10, 2004
95. Shao W, Kaslow RA, **Dorak MT**. Two haplotype-specific sequence variants in the promoter region of the MHC class III gene 21-Hydroxylase (CYP21A2). Poster presentation at the 30th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Antonio, TX, Oct 2-6, 2004. Hum Immunol 2004;65(9, Suppl1):S97
96. Lobashevsky E, Shao W, Tang J, **Dorak MT**, Lazaryan A, Chengbin Wang C, Cobbs CS, Wrench MR. Linkage disequilibria between fully resolved MICA alleles and HLA variants in European Americans. Poster presentation at the 30th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Antonio, TX, Oct 2-6, 2004. Hum Immunol 2004;65(9, Suppl1):S103
97. Yigitbas E, Uner A, **Dorak MT**, Ding WZ, Tatayoglu G, Balci B, Duzova A, Ozaltin F, Ozen S, Besbas N, Topaloglu R, Yilmaz E, Bakkaloglu A, Ozguc M, Kansu E, Fraser PA. MICA exon 5 microsatellite alleles in Turkish patients with FMF. Poster presentation at the 30th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Antonio, TX, Oct 2-6, 2004. Hum Immunol 2004;65(9, Suppl1):S105
98. Shao W, Kaslow RA, **Dorak MT**. Two SNPs at HSPA1B and HLA-DQA1 identify ancestral MHC class II lineages. Poster presentation at the 30th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Antonio, TX, Oct 2-6, 2004. Hum Immunol 2004;65(9, Suppl1):S99
99. Shao W, Tang J, **Dorak MT**, Song W, Lobashevsky E, Cobbs CS, Wrench MR, Kaslow RA. Molecular typing of human leukocyte antigen and related polymorphisms following whole genome amplification. Oral presentation at the 30th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Antonio, TX, Oct 2-6 2004. Hum Immunol 2004;65(9, Suppl1):S24
100. **Dorak MT**, Hammal DM, Pearce MS, McNally RJQ, Parker L. Associations of birthweight and maternal fertility problems with childhood cancers. 47th Annual Meeting of the American Society for Hematology (ASH) Atlanta, GA; Dec 10-13, 2005. Blood 2005;106(11, Part 2):4546
101. **Dorak MT**, Shao W, Machulla HKG, Park MH, Lobashevsky ES, Tang J, Kaslow RA. Re-examination and Completion of MICA Typings on Conserved Extended Haplotypes: Relationship with Other Polymorphisms. 20th European Immunogenetics and Histocompatibility Conference. Oslo, Norway, June 8-11, 2006. Tissue Antigens 2006;67(6):474
102. Oguz FS, Kalayoglu S, Erer B, Kekik C, Ozturk G, Carin M, **Dorak MT**. HLA-A\*11, -B\*15, -DRB1\*08 and Homozygosity for HLA-B - DRB1 are Associated with Risk in Multiple Myeloma. 20th European Immunogenetics and Histocompatibility Conference. Oslo, Norway, June 8-11, 2006. Tissue Antigens 2006;67(6):533-4

103. **Dorak MT**, Pearce MS, Hammal DM, McNally RJQ, Parker L. Associations of birth weight and maternal history of miscarriage with childhood cancers. 4th World Congress on Developmental Origins of Health and Disease (DOHaD). Utrecht, The Netherlands, Sept 13-16, 2006. *Early Hum Dev* 2006;82(8):530
104. MacKay RK, Relton CL, **Dorak MT**. An HLA and leukaemia association study without HLA typing. Poster presentation at 21th European Immunogenetics and Histocompatibility Conference in Barcelona, 5-8 May 2007. *Tissue Antigens* 2007;69(5):4358
105. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Sex-specific temporal trends in the incidence of cancer in children and young adults in Northern England. Poster presentation at the Nordic Meeting in Epidemiology and Register-based Health Research. Gothenburg, Sweden, June 18-19, 2007
106. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Sex-specific temporal trends in the incidence of cancer in children and young adults in Northern England. Poster presentation at the National Cancer Research Institute Cancer Conference. Birmingham, UK, Sept 30 - Oct 3, 2007 ([www](#))
107. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Sex-specific temporal trends in the incidence of cancer in children and young adults in Northern England. Poster presentation at the International Society for Paediatric Oncology Conference. Mumbai, India, 1-3 Nov 1-3, 2007, **Winner of Epidemiology Section Prize**). *Pediatric Blood and Cancer* 2007;49(4):489
108. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Sex-specific analyses of thyroid cancer incidence in Northern England. Poster presentation at the Nordic Meeting in Epidemiology and Register-based Health Research. Gothenburg, Sweden, June 18-19, 2007
109. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Sex-specific analyses of thyroid cancer incidence in Northern England. Poster presentation at the National Cancer Research Institute Cancer Conference. Birmingham, UK, Sept 30 - Oct 3 2007 ([www](#))
110. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Sex-specific analyses of thyroid cancer incidence in Northern England. Poster presentation at the International Society for Paediatric Oncology Conference, O.075. Mumbai, India, 1-3 Nov 1-3, 2007. *Pediatric Blood and Cancer* 2007;49(4):419
111. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Sex-specific temporal trends in the incidence of cancer in children and young adults in Northern England. Poster presentation at the Children with Leukaemia Scientific Conference P.07. Institute of Child Health, London, April 29-30, 2008
112. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Sex-specific analyses of thyroid cancer incidence in Northern England. Poster presentation at the Children with Leukaemia Scientific Conference, P.08. Institute of Child Health, London, April 29-30, 2008
113. Magnanti BL, **Dorak MT**, Parker L, McNally RJ. Critical review and pooled analysis of sex-specific results in childhood cancer studies. Poster presentation at the National Cancer Research Institute Cancer Conference. . Birmingham, UK, Oct 5-8, 2008 ([www](#))
114. **Dorak MT**, Oguz FS, Ozdilli K, Kekik C, Carin M, Gedikoglu G. HLA-DR ancestral lineages and childhood leukemia susceptibility. Poster presentation at the 33rd Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Minneapolis, MN, Oct 8-12 2007
115. MacKay RK & **Dorak MT**. Haplospecific markers for HLA-DRB3 and -DRB4 ancestral lineages. Poster presentation at the 33rd Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Minneapolis, MN, Oct 8-12, 2007
116. **Dorak MT**, MacKay R, Relton CL, Worwood M, Parker L, Hall AG. Iron-related Gene Variants Increase Childhood Leukemia Risk and Birth Weight. Poster presentation at the 57th Annual Meeting of the American Society for Human Genetics. San Diego, CA, Oct 23-27, 2007
117. Davis C, **Dorak MT**. An analysis of the extended HLA class I region gene HFE and flanking genes. Oral presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. *Hum Immunol* 2008;69(Suppl 1):S116
118. Ucisik-Akkaya E, Morrison BA, Davis C, Do T, **Dorak MT**. Update on conserved extended haplotypes and possible identification of the ancestral MHC haplotype. Oral presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. **Selected as one of the best abstracts submitted for this meeting and awarded an ASHI scholarship**. *Hum Immunol* 2008;69(Suppl 1):S115
119. Morrison BA, Ucisik-Akkaya E, Flores H, **Dorak MT**. Similarities between multiple sclerosis and childhood leukemia HLA complex associations. Poster presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. *Hum Immunol* 2008;69(Suppl 1):S95
120. Ucisik-Akkaya E, Morrison BA, Gorodezky C, **Dorak MT**. HLA class III region genes HSPA1L/A/B polymorphisms and childhood leukemia risk. Poster presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. *Hum Immunol* 2008;69(Suppl 1):S93
121. Ucisik-Akkaya E, Morrison BA, Alaez C, **Dorak MT**. Extended HLA class II region genes RXRB and DAXX polymorphisms in childhood leukemia. Poster presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. *Hum Immunol* 2008;69(Suppl 1):S86

122. Morrison BA, Davis C, Ucisik-Akkaya E, **Dorak MT**. MHC associations in childhood leukemia: identification of heterozygote advantage. Poster presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. Hum Immunol 2008;69(Suppl 1):S96
123. Ucisik-Akkaya E, **Dorak MT**. Polymorphisms of natural killer cell receptor NKG2D and childhood leukemia susceptibility. Poster presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. Hum Immunol 2008;69(Suppl 1):S90
124. Morrison BA, **Dorak MT**. Two proto-oncogenes located in the HLA class III region (PBX2 and NOTCH4) show associations with childhood leukemia. Poster presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. Hum Immunol 2008;69(Suppl 1):S84
125. Morrison BA, **Dorak MT**. Complete sequencing of HLA-DQA1 3' UTR and correlations with ancestral lineages. Poster presentation at the 34th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. Toronto, Canada, Oct 27-31, 2008. Hum Immunol 2008;69(Suppl 1):S41
126. Davis C, Do T, **Dorak MT**. Polymorphisms of iron-related genes and childhood leukemia risk. Poster presentation at the 58th Annual Meeting of the American Society for Human Genetics. Philadelphia, PA, Nov 11-15, 2008
127. **Dorak MT**, Ucisik-Akkaya E, Davis C, Morrison BA, Do T. Genetic associations in childhood leukemia and interactions with sex. Poster presentation at the 58th Annual Meeting of the American Society for Human Genetics. Philadelphia, PA, Nov 11-15, 2008
128. Ucisik-Akkaya E, Davis C, Morrison BA, Do T, **Dorak MT**. Markers for sex-specific prenatal selection. Poster presentation at the 58th Annual Meeting of the American Society for Human Genetics. Philadelphia, PA, Nov 11-15, 2008
129. Do T, Ucisik-Akkaya E, Davis C, Morrison BA, **Dorak MT**. TP53 R72P polymorphism and childhood leukemia susceptibility. Poster presentation at the 58th Annual Meeting of the American Society for Human Genetics. Philadelphia, PA, Nov 11-15, 2008
130. Ucisik-Akkaya E, Davis CN, Do TN, **Dorak MT**. Immunoregulatory Gene Polymorphisms and Childhood Leukemia Susceptibility. Poster presentation at the 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Francisco, CA, Nov 2-6, 2009. Hum Immunol 2009;70(Suppl 1):S118
131. Davis CN, Ucisik-Akkaya E, Do TN, **Dorak MT**. Polymorphisms of Iron Regulatory Genes with Immune Functions are Associated with Childhood Leukemia Susceptibility. Poster presentation at the 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Francisco, CA, Nov 2-6, 2009. Hum Immunol 2009;70(Suppl 1):S118
132. Do TN, Davis CF, Ucisik-Akkaya E, Morrison BA, **Dorak MT**. Molecular Mechanism of a Sex-specific Risk Association of an Interferon Regulatory Factor 4 Polymorphism with Childhood Acute Lymphoblastic Leukemia. Poster presentation at the 35th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Francisco, CA, Nov 2-6, 2009. Hum Immunol 2009;70(Suppl 1):S119
133. Torres M, Singh SK, Kennedy AE, **Dorak MT**. Detection of C4A and C4B deletion by quantitative real-time PCR. Florida International University & University of Puerto Rico at Arecibo Summer Research Program Biomedical Mini-Symposium. August 3, 2011, Miami, FL
134. Alvarez K, Singh SK, Kennedy AE, **Dorak MT**. Lymphoid malignancies and HLA complex associations. 2nd Annual Florida International University & TERRA Environmental Research Institute Summer Research Internship Biomedical Mini-Symposium. August 12, 2011, Miami, FL
135. Martinez S, Singh SK, Kennedy AE, **Dorak MT**. Nature of the recently identified HLA region associations with lung cancer. 2nd Annual Florida International University & TERRA Environmental Research Institute Summer Research Internship Biomedical Mini-Symposium. August 12, 2011, Miami, FL
136. Kennedy AE, Singh SK, Samikkannu M, **Dorak MT**. Correlations of complex disease-associated HLA region SNPs with HLA alleles. Poster presentation at the 37th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. New Orleans, LA, Oct 17-20, 2011. Hum Immunol 2011;72(Suppl 1):S133
137. Caobi A, Singh SK, **Dorak MT**. ABO Blood Group Gene Association with Breast Cancer Risk. Poster presentation at the 14th Annual Biomedical & Comparative Immunology Symposium, Florida International University, Miami, FL, March 1-2, 2012
138. Singh SK, Saxena A, Das S, **Dorak MT**. A Critical Assessment of NOTCH4 Polymorphisms. Poster presentation at the 14th Annual Biomedical & Comparative Immunology Symposium, Florida International University, Miami, FL, March 1-2, 2012
139. **Dorak MT**. Genome-wide Association Signals from the HLA Region and Evolutionary Lineages. Oral presentation at the 14th Annual Biomedical & Comparative Immunology Symposium, Florida International University, Miami, FL, March 1-2, 2012
140. Kennedy AE, Singh SK, Scheurer ME, Okcu MF, **Dorak MT**. Association of HLA-linked lymphoma risk markers with childhood lymphoblastic leukemia. Poster presentation at the 38th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Juan, PR, Oct 8-12, 2012. Hum Immunol 2012;73(Suppl 1):S141

141. Peyser M, Singh SK, **Dorak MT**. Examination of HLA-B, -DRA and -DQA1 expression levels in B-lymphoblastoid cell lines homozygous for conserved extended haplotypes (CEH). Poster presentation at the 38th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Juan, PR, Oct 8-12, 2012. Hum Immunol 2012;73(Suppl 1):S141
142. Villalba K, Ruiz T, Saxena A, Das S, **Dorak MT**. HLA region and breast cancer susceptibility: re-analysis of cancer genetic markers of susceptibility (CGEMS) study results. Poster presentation at the 38th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Juan, PR, Oct 8-12, 2012. Hum Immunol 2012;73(Suppl 1):S142
143. Luaces K, Singh SK, Peyser M, **Dorak MT**. MICA and MICB: analysis of disease-associated alleles and gene expression levels. Poster presentation at the 38th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Juan, PR, Oct 8-12, 2012. Hum Immunol 2012;73(Suppl 1):S109.
144. Singh SK, Saxena A, Das S, **Dorak MT**. NOTCH4 polymorphisms, functional assessment and associations with breast cancer susceptibility. Poster presentation at the 38th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Juan, PR, Oct 8-12, 2012. Hum Immunol 2012;73(Suppl 1):S140
145. Guyton D, Caobi A, Singh SK, Peyser M, **Dorak MT**. HLA region and lung cancer susceptibility: confirmation of BAT3/BAG6 association and functional replication. Oral presentation at the 38th Annual Meeting of the American Society for Histocompatibility and Immunogenetics. San Juan, PR, Oct 8-12, 2012. Hum Immunol 2012;73(Suppl 1):S12
146. Villalba K, Kennedy AE, Singh SK, **Dorak MT**. Investigation of molecular mechanism of diverse disease associations with HLA-DRB4 lineage. Oral presentation at the FIU 15<sup>th</sup> Annual Biomedical and Comparative Immunology Symposium. Miami, FL, March 6-7, 2013
147. Martinez SS, **Dorak MT**, Baum MK, Campa A. Overweight/obesity, FTO gene, and HIV disease progression in HIV+ adults in Botswana. Poster presentation at the FIU 15<sup>th</sup> Annual Biomedical and Comparative Immunology Symposium. Miami, FL, March 6-7, 2013
148. Singh SK, Kennedy AE, **Dorak MT**. DDX3X gene polymorphisms and genetic susceptibility to childhood leukemia. Poster presentation at the FIU 15<sup>th</sup> Annual Biomedical and Comparative Immunology Symposium. Miami, FL, March 6-7, 2013
149. Deoraj A, Gupta H, Peyser M, **Dorak MT**, Sinha A. Oncogenes and their interactions in response to environmental chemical exposures. Poster presentation at the American Public Health Association 141st Annual Meeting. Boston, MA, November 2-6, 2013
150. Kennedy AE, Singh SK, Villalba K, **Dorak MT**. Analysis of HLA region polymorphisms associated with cancer. Oral presentation at the 39th Annual Meeting of the American Society for Histocompatibility and Immunogenetics Society. Chicago, IL, Nov 17-21, 2013. Hum Immunol 2013;74(Suppl 1):S35 ([www](#))
151. Singh SK, Ben Taleb Z, Kennedy AE, Villalba K, **Dorak MT**. Further exploration of HLA region associations with lung cancer risk. Poster presentation at the 39th Annual Meeting of the American Society for Histocompatibility and Immunogenetics Society. Chicago, IL, Nov 17-21, 2013. Hum Immunol 2013;74(Suppl 1):S106
152. **Dorak MT**, Kennedy AE, Okcu MF, McNally RJ. Polymorphisms in iron regulatory genes involved in placental iron transfer, birth weight and childhood leukaemia risk. Poster presentation at the Children with Cancer UK International Workshop on In Utero Exposure and Cancer in Children. June 2-3, 2014, London, U.K.
153. Singh SK, **Dorak MT**. Alternative Explanations for HLA and Disease Associations. Oral presentation at the 28<sup>th</sup> European Immunogenetics and Histocompatibility Conference, Stockholm, Sweden, June 25-28, 2014. Tissue Antigens 2014;84(1):9
154. Oguz FS, Kekik C, Singh SK, Saribeyoglu E, Anak S, Ozturk G, **Dorak MT**. HLA and age-of-onset in childhood acute lymphoblastic leukaemia. Poster presentation at the 28<sup>th</sup> European Immunogenetics and Histocompatibility Conference, Stockholm, Sweden, June 25-28, 2014. Tissue Antigens 2014;84(1):146
155. Kennedy AE, DeRycke E, Lai GY, Kamdar KY, Lupo PJ, Okcu MF, Scheurer ME, Baum MK, Seminara D, **Dorak MT**. Transferrin receptor and hereditary hemochromatosis gene variants interact to modify childhood leukemia risk. Poster presentation at the American Society for Human Genetics Annual Conference, San Diego, CA, Oct 18-22, 2014 ([www](#))
156. Singh SK, Lupo PJ, Scheurer ME, Kennedy AE, Okcu MF, **Dorak MT**. HLA region contributes to the gender differential in childhood leukaemia risk. Poster presentation at the 29<sup>th</sup> European Immunogenetics and Histocompatibility Conference, Geneva, Switzerland, April 26-29, 2015
157. Kekik C, Singh SK, Yavuz C, Oguz FS, **Dorak MT**. HLA and childhood acute myeloid leukemia. Poster presentation at the 29<sup>th</sup> European Immunogenetics and Histocompatibility Conference, Geneva, Switzerland, April 26-29, 2015
158. Temurhan S, Oguz FS, **Dorak MT**. HLA-DQA1 3'UTR is an unexplored source of disease associations in the HLA complex. Oral presentation at the 29<sup>th</sup> European Immunogenetics and Histocompatibility Conference, Geneva, Switzerland, April 26-29, 2015
159. Singh SK, Lupo PJ, Scheurer ME, Saxena A, Kennedy AE, Ibrahimou B, McCauley JL, Okcu MF, **Dorak MT**. Genome-wide association study of childhood acute lymphoblastic leukemia risk with gender-specificity. Poster presentation at the European Society for Human Genetics Conference, Glasgow, 6-9 June, 2015, Glasgow, Scotland, U.K.

160. Stasik I, Kennedy AE, Singh SK, **Dorak MT**. HLA Region Contains Multiple Lung Cancer Susceptibility Genes. Poster presentation at the European Society for Human Genetics Conference, Glasgow, 6-9 June, 2015, Glasgow, Scotland, U.K.
161. Kennedy AE, Lane C, Seminara D, **Dorak MT**. A Cancer Susceptibility Hotspot in HLA Class I Region. Poster presentation at the European Society for Human Genetics Conference, Glasgow, 6-9 June, 2015, Glasgow, Scotland, U.K.
162. Reeves RM, James PW, Basta NO, McKay J, **Dorak MT**, McNally RJQ . Correlations of incidence rates of Hodgkin lymphoma subtypes in children and young adults with age, sex and deprivation. Poster presentation at the European Cancer Organisation (ECCO) Conference, Vienna, Austria, September 25-29, 2015
163. Kennedy AE, Mustafi S, Singh SK, Konidari I, McCauley JL, Barbieri MA, **Dorak MT**. A catalog of HLA region SNPs with functional annotations, disease associations and correlations with HLA types. Poster presentation at the 41st Annual Meeting of the American Society for Histocompatibility and Immunogenetics Society. Savannah, GA, Sept 28-Oct 2, 2015
164. Kennedy AE, Lane C, **Dorak MT**. A Survey of Cancer Somatic Mutations in the HLA Region. Oral presentation at the 41st Annual Meeting of the American Society for Histocompatibility and Immunogenetics Society. Savannah, GA, Sept 28-Oct 2, 2015
165. Stasik I, Mills KI, **Dorak MT**. Potential Mediation of HLA and Cancer Associations via Non-coding RNAs. Oral presentation at the 41st Annual Meeting of the American Society for Histocompatibility and Immunogenetics Society. Savannah, GA, Sept 28-Oct 2, 2015
166. Stasik I, Mills KI, **Dorak MT**. ERG and XRCC6 expression levels are inversely influenced by trans-eQTLs exclusively located in the HLA region. Poster presentation at the National Cancer Research Institute (NCRI) Conference. Liverpool, UK, November 1-4, 2015
167. Reeves RM, James PW, Basta NO, Libby G, Norman PD, Mckay J, **Dorak MT**, Bomken SN, McNally RJQ. Correlations of incidence rates of Hodgkin lymphoma subtypes in children and young adults with age, sex and deprivation. Poster presentation at NCRI Cancer Conference 2015, Manchester, UK ([Poster #B122](#))
168. Ogret Y, Oguz FS, **Dorak MT**. High-resolution HLA alleles, haplotypes and class I supertypes in a sample of Turkish population. Poster presentation at the 30th European Immunogenetics and Histocompatibility Conference, Kos, Greece, May 10-14, 2016
169. Yavuz C, Oguz FS, **Dorak MT**. Largest copy number variation regions in the extended HLA show correlations with ancestral HLA haplotypes. Oral presentation at the 30th European Immunogenetics and Histocompatibility Conference, Kos, Greece, May 10-14, 2016
170. Singh SK, Huang Y, Caobi A, Barbieri MA, **Dorak MT**. Functional annotations of common disease markers in immune regulatory genes. Oral presentation at the 30th European Immunogenetics and Histocompatibility Conference, Kos, Greece, May 10-14, 2016
171. Singh SK, Chentoufi AA, McCauley JL, **Dorak MT**. Insights into type 1 diabetes and multiple sclerosis pathogenesis from common genetic associations. Oral presentation at the 30th European Immunogenetics and Histocompatibility Conference, Kos, Greece, May 10-14, 2016
172. Auf R, Selim M, Ben Taleb Z, **Dorak MT**, Cano M. Adolescents' body mass index (BMI) and cardiovascular disease risk among adults: Results from 12 years of follow-up among the National Longitudinal Study of Adolescent to Adult Health (Add Health Cohort). Poster presentation at the Epidemiology Congress of the Americas, Miami, Florida, June 21-24, 2016
173. Kennedy AE, Lupo PJ, Scheurer ME, Kanbur E, Okcu MF, **Dorak MT**. Progress in Interpretation of Childhood ALL Risk Associations Identified in Candidate Gene Studies. Poster presentation at the [Childhood Cancer Conference 2016. London, September 5-7, 2016](#)
174. Singh SK, Lupo PJ, Scheurer ME, Saxena A, Kennedy AE, Kanbur E, Okcu MF, **Dorak MT**. Making sense of genetic associations with childhood leukaemia risk. Oral presentation at the [Childhood Cancer Conference 2016. London, September 5-7, 2016](#)
175. Chentoufia AA, Al Zahrania KA, Muliia EA, Al Makoshib L, Alshareefb R, Paza MR, **Dorak MT**, Sallouma N, Al Gharbia B, Al Dhahrib S. Association between the frequency of human Leukocyte antigen class I and class II genes in Saudi population and relative risk of developing nasopharyngeal carcinoma. Poster presentation at the 42nd Annual Meeting of the American Society for Histocompatibility and Immunogenetics Society. St Louis, MO, Sept 26-30, 2016. Hum Immunol 2016;77(Suppl 1):124.
176. Caobi A, Mustafi S, Singh S, Veisaga M, **Dorak MT**, Barbieri MA. Infection of Pseudomonas aeruginosa selectively affects human leukocyte antigen (HLA) gene expression. Poster presentation at the Annual Meeting of the American-Society-for-Cell-Biology (ASCB), San Francisco, CA, 2016. Mol Biol Cell 2016;27(25):abstract # P1627 ([www](#))
177. Ogret Y, Uyar FA, Karatas S, Oguz FS, **Dorak MT**. HLA-A, -B, -C Typing by Next-Generation Sequencing in a Sample of Turkish Population. Poster presentation at the 31st European Immunogenetics and Histocompatibility Conference, Heidelberg/Mannheim, Germany, May 30-June 2, 2017.
178. Ozbek U, Kennedy AE, Singh SK, Barbieri MA, Konidari I, McCauley JL, **Dorak MT**. SNPs Correlating with Functional HLA Region Epitopes and Supertypes Offer Insight into GWAS Associations. Oral presentation at the 31st European Immunogenetics and Histocompatibility Conference, Heidelberg/Mannheim, Germany, May 30-June 2, 2017.

179. Kanbur E, Dogan M, **Dorak MT**. A Systematic Analysis of the Gene and Variation Content of the Extended HLA Region. Accepted for oral presentation at the 31st European Immunogenetics and Histocompatibility Conference, Heidelberg/Mannheim, Germany, May 30-June 2, 2017.
180. Ciftci HS, Karadeniz MS, Oguz FS, **Dorak MT**. Examination of the Regulation of CXCL10 Expression, and CXCL10 DNA Sequence Variation and Disease Associations. Oral presentation at the 31st European Immunogenetics and Histocompatibility Conference, Heidelberg/Mannheim, Germany, May 30-June 2, 2017.
181. Singh SK, Kennedy AE, **Dorak MT**. Genetic Evidence for Cancer Immune Surveillance. Oral presentation at the 31st European Immunogenetics and Histocompatibility Conference, Heidelberg/Mannheim, Germany, May 30-June 2, 2017.
182. Oztornaci RO, **Dorak MT**, Tasdelen B. A Comparison of Standard Biostatistical Approaches and Machine Learning Methods in GWAS Analysis. Presentation at 5th International Congress of the Molecular Biology Association of Turkey 2018, Istanbul, Turkey ([www](#))
183. Özbek U, Singh SK, Kennedy AE, Barbieri MA, Konidari I, McCauley JL, **Dorak MT**. Exploration of very long-range linkage disequilibrium within the extended HLA region. Poster presentation at the 32nd European Immunogenetics and Histocompatibility Conference, Venice, Italy, May 9-12, 2018.
184. Sürel ÖO, Korkmaz Ö, McCauley JL, **Dorak MT**, Dogan D. Introducing online tools to facilitate HLA-related research. Poster presentation at the 32nd European Immunogenetics and Histocompatibility Conference, Venice, Italy, May 9-12, 2018.
185. Singh SK, McCauley JL, **Dorak MT**. Expression QTLs with opposing effects on HLA-DR and -DQ genes are associated with autoimmune disorders: Evidence for mixed isotype heterodimer formation? Oral presentation at the 32nd European Immunogenetics and Histocompatibility Conference, Venice, Italy, May 9-12, 2018.
186. Singh SK, Dapprich J, **Dorak MT**. Functional annotation of the cluster of schizophrenia risk markers in the extended HLA class I region. Oral presentation at the 32nd European Immunogenetics and Histocompatibility Conference, Venice, Italy, May 9-12, 2018.
187. Oztornaci RO, Tasdelen B, **Dorak MT**. Using a Feature Selection Method for Machine Learning Algorithms on GWAS Data. Oral presentation (#SO24) at XX<sup>th</sup> National & III<sup>rd</sup> International Biostatistics Congress 2018, Gaziantep, Turkey ([www](#))
188. Cappelli LC, **Dorak MT**, Bingham III CO, Shah AA. Association of HLA-DRB1 Shared Epitope Alleles with Immune Checkpoint Inhibitor-Induced Inflammatory Arthritis ([Abstract #355](#)). Presented at ACR/ARHP Annual Meeting 2018 ACR/ARHP Annual Meeting. Arthritis Rheumatol 2018;70([Suppl 9](#)):378 ([www](#))
189. Dapprich J, Pérez-Escobar OA, Bellot S, Rothe J, Köcher S, Nagy M, **Dorak MT**, Rudd S, Grunz F, Krezdorn N, Hoffmeier K. Next-generation target capture and direct long read sequencing of the MHC. Oral presentation at the 32nd European Immunogenetics and Histocompatibility Conference, Venice, Italy, May 9-12, 2018.
190. Oztornaci RO, Tasdelen B, **Dorak MT**, Cosgun E. The Use of Machine Learning and Deep Learning on SNP Data to Predict the Case-Control Status of Individuals in childhood leukemia disease. Presentation at the 12<sup>th</sup> International Symposium on Health Informatics and Bioinformatics 2019, Izmir, Turkey (HIBIT 2019) ([www](#))
191. Vega JL, Emmady P, Roels C, Conforti J, **Dorak MT**, Ramirez C: Seizure-induced demargination predicts pericardial respiratory decompensation. Poster presentation at the American Academy of Neurology 71st Annual Meeting, Philadelphia, PA, May 4 -10, 2019 ([www](#)).
192. Singh SK & **Dorak MT**. Longevity-associated HLA Class II Region Variants Map to the B-cell-specific Super-enhancer XL9. Oral presentation at the 33rd European Immunogenetics and Histocompatibility Conference, Lisbon, Portugal, May 8-11, 2019. HLA 2019;93(5):265 ([www](#))
193. Hunt R, Albee L, Snape A, Berwick D, **Dorak MT**, Page N. Understanding and defining student engagement in the post-COVID-19 learning environment: a collaborative study (abstract #9092). Submitted to HEIR 2023 (UK and Ireland HEIR Network Annual Conference)