

CV

Adı Soyadı: Asst. Prof Dr. Ayşe Ülgen
Girne American University, Faculty of Medicine, Dept. of Biostatistics

Education: Ph.D

Associate Professorship: Applied August 2021

Degree	Program	University	Year
Bsc Hons	Computer Science with Statistics	Queen Mary & Westfield College, University, UK	1993
Masters	Applied Mathematics and Statistics	State University of New York at Stony Brook, NY, USA	1996
Masters	Global Management	Thunderbird School of Global Management, Arizona State University, USA	2017
Ph.D	Applied Mathematics and Statistics	State University of New York at Stony Brook, USA	2001

PhD Thesis Title and Summary

Statistical Properties of 3 Model Based Tests for Linkage

Background: My PhD work involved developing statistical methodology for linkage analysis to study the statistical properties of the maximum lod score statistic. When two loci are inherited independently of each other, recombinant and nonrecombinant gametes are expected in equal proportions among the offspring. For loci in close proximity of each other, one observes a consistent deviation from the 1 :1 ratio of recombinants to nonrecombinants in offspring. Alleles in a haplotype passed from a grandparent to a parent tend to be passed again as the same haplotype from the parent to the offspring. In other words, alleles at different gene loci appear to be genetically coupled, and this phenomenon is called genetic linkage. The lod score was originally developed for evaluating linkage for simple Mendelian disorders. Some diseases are transmitted in a Mendelian manner, and therefore a model of transmission is known and can be taken into account in looking for disease-related genes. For multifactorial diseases of complex aetiology, the underlying genetic model is unknown and use of the classical lod score may lead to wrong inference. Model-free methods, that do not require to specify the genotype-phenotype relationship, have been suggested for linkage analysis of complex diseases. However, it was shown that these methods may have reduced power when compared to model-based methods.

Methodology: Maximization of the parameters of the genetic model underlying the disease together with the recombination fraction between the putative disease gene and markers has been suggested as an alternative method for gene localization for complex disorders. The goal of my work was to investigate the statistical properties of this alternative approach. My doctoral research work involved the study of the distribution of a linkage test statistic when allowing for a wide range of genetic models for familial transmission of a disease. My major contribution was the developing of a test for linkage when one optimizes over models, the result being a criterion that can be easily applied to linkage analyses of complex disorders. A large simulation study was conducted to determine the distribution of the maximum lod score (LOD-M) statistic under the null hypothesis of absence of linkage. I also considered the lod score maximized over a fixed choice of genetic model parameters and recombination fraction values set prior to the analysis (MMLS). The objective was to fit parametric distributions to MMLS and LOD-M.

Results: The major contributions of this work have been to show that the maximum lod score has a null distribution which is invariant to the genetic generating model and this distribution can be approximated by a mixture of point mass at zero and a chi-square distribution.

Significance: These results can save time to researchers since one can infer directly on his results and does not need to obtain parametric bootstrap values for one's p-values by resorting to complex resampling algorithms. I also conducted a power study to compare these statistics. This work has been presented at scientific meetings and has led to publications.

Supervisors : Prof. Dr. Nancy R. Mendell

Prof Dr. Stephen J. Finch

Positions:

Title	Place	Year
Asst. Prof. Dr. of Biostatistics	Girne American University, Faculty of Medicine, Dept. of Biostatistics, Karmi, Cyprus	2019-present
Research Associate	Thunderbird School of Global Management, Arizona State University, Phoenix, USA	2016-2018
Asst. Prof. Dr. of Biostatistics	Eastern Mediterranean University, Faculty of Medicine, Dept. of Biostatistics, Famagusta, Cyprus.	2012-2016
Fulbright Visiting Research Scientist	Columbia University, School of Public Health, Dept. of Epidemiology, NY, USA	05-08/2015
Asst. Prof. Dr. of Biostatistics	University of Southern Denmark, Inst. of Public Health, Odense, Denmark	2011-2012
Postdoctoral Fellow	INSERM (Institut National de la Santé et de la Recherche Médicale), Fondation Jean DAUSSET/CEPH, U 946, Genetic Variation of Human Disease, Paris, France	2005-2009
Asst. Prof. Dr.	American University of Paris, Dept of Mathematics, Computer Science and Environmental Sciences, Paris, France	09-12/2007
Associate Research Scientist	Columbia University, G.H. Sergievsky Center, New York, USA	2004-2005
Postdoctoral Fellow	Columbia University, G.H. Sergievsky Center, New York, A.B.D.	2002-2004
Postdoctoral Associate	Rockefeller University, Statistical Genetics Lab, New York, USA	2001-2002

Postdoctoral students Supervised:

- Dorte Hvidtjørn. 'Religiousness and Religious Coping in a Secular Society: The gender perspective.', University of Southern Denmark, Odense, Denmark, 2011-12.
- Yuanjia Wang. 'Genetic Linkage Analysis Methods', GH Sergievsky Center, Columbia University, New York, USA, 2004.

PhD Thesis Supervised :

- Supervision of Biostatistics II PhD student projects of medical students, University of Southern Denmark, Odense, Denmark, 2011-12.

Masters Thesis Supervised :

- Parva Pakdel, Faculty of Engineering, Girne American University (Co-Supervisor).
- “Search of genes with a pleiotropic effect on the number of Nevus and the Phototype: Comparison of genetic linkage analysis methods of two phenotypes”, INSERM, Paris, France, 2007(Co-Supervisor).
- ‘STATA Workshop’ for Master’s students at the International Public Health Program, Reid Hall, Columbia University Global Health Center, Paris, France, 2012.

Bachelors Thesis Supervised:

Supervision of research projects of 1st, 2nd and 3rd year medical and pharmaceutical students, Eastern Mediterranean University and Girne American University, Cyprus.

Selected thesis presented at the International Student Congress, Marmara University (MasCo), Istanbul, Turkey:

2019-2020:

- Eraslan Irmak. ‘Attitudes of Pharmacists’ towards Alzheimer Patients’, Girne American University, Faculty of Pharmacy.

2015:

- Ekpette NO, Eladas B, Alqeisi T, Ugurlu KC. ‘Health Seeking Attitudes in Different Cultures’.
- Sheikteymour NR, Mahmoodi M, Sepideh Rajaei M, Rabiei Araghi M, Niknam MM, Karimi N. ‘Attitudes of EMU Students towards Homosexuality’.
- Acar N, Aglarcan F, Alpdogan MA, Khasswneh B, Onuorah W. ‘Reproductive Risk Factors/ PR ER Receptors in Breast Cancer Epidemiology’.

2014:

- Modirrousta M, Modirrousta M, Kheradmand S, Soroush S, Salari H, Soroush E. ‘Cancer Risk Factors: Level of People Awareness’. **Special Mention Prize at MasCo.**
- Alpdogan MA, Acar N, Akintug B, Khsawneh B. ‘Urinary Tract Infection in North Cyprus: Patient and Doctor Attitudes’.
- Abdelqader A, Abuhussain S, Bakkaloglu Y, Hacilar A. ‘Life in SOS Village Cyprus from Volunteered Mothers Perspective’.

2013:

- Hürtürk C, Zaimağaoğlu M, Yağlı H, Alpdoğan MA, Ağlarcan F. ‘Knowledge of EMU students about Cyprus History’.
- Mohse A, Kiwan F, Al-Ramahi M, Yüksel Subhi S, Hussain A. ‘Healthy Lifestyle’.

Selected Fellowship, Research Projects and Grants / External Funding

- 2020-present **Co-applicant(Co-A):** Biomedical Advanced Research and Development (BARDA) ‘Rapid, Innovative, Low Cost Digital Pathogen Screening ’ – in evaluation.
- 2020-present **Project Manager:** ‘Machine Learning and AI for Surface Enhanced Raman Spectroscopy COVID-19 Disease Screener Pre-Clinical Study’, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA.
- 2019-present **Co-applicant (Co-A):** ‘Knowledge and Attitude of Pharmacists in Istanbul and Cyprus towards Alzheimer’s Patients: A Comparative Study’
- 2018-present **Co-applicant (Co-A):** ‘Cyprus Center for Women’s Health- KISAD’: Grant: Oxford University, UK
- 2015 **Co-A:** ‘Unravelling gender-specific effects of multiple FADS single nucleotide polymorphisms on inter-related cognitive outcomes in children’. Submitted to Marie Skłodowska-Curie Actions. European Research Council, Commission in collaboration with University of Copenhagen, Denmark. – not obtained.
- 2013- present **Co-A:** ‘Cancer Epidemiology, Screening and Prevention’ study in Northern Cyprus: Grant: Turkish Republic Aid Committee, Cyprus (300,000 TL)

- 2013 - 2015 **Principal Investigator (PI):** 'Fecal Contamination survey of Seawater in Cyprus' Cyprus American Fulbright Alumni: Grant Award (6000 \$)
- **PI:** 'Epidemiology Study of Breast Cancer in Cyprus', Fulbright Visiting Scholar Grant, Columbia University, NY, USA. (12,000 \$)
- 2011 - 2012 **PI:** Gene *gene and gene * environment interaction methodologies using the 1905 Danish Cohort on Depression and Minnesota Alcoholism Dataset; Regression Methodologies for Twin Study; Cost effectiveness analysis of genetic mutations and Pharmacogenomics using Markov Chain models; Affected sib-pair analysis with asthma phenotypes; Bioinformatics on the prognostic diagnosis of lung cancer using gene expression (microRNA) data involving the identification of common pathways and networks that are predictive of survival using non-linear machine learning methodologies
- 2005-2009 **Co-A:** Fellowship for the Comparison of Multivariate Statistical Methods for the Genetic Linkage and Family-Based Association Analysis of the Epidemiology Study of Asthma using the French EGEA families (Genetic and Environmental factors of Asthma). INSERM, France.
- 2007-2008 **Co-A:** Statistical consultant (SAS Package) and collaborator for the AtGentive Project (www.atgentive.com) (Grant IST-4-027529-STP) at the American University of Paris to investigate the use of artificial agents for supporting the management of the attention of young or adult learners in the context of individual & collaborative learning environments.
- 2002-2006 **Co-A:** Simulation Study to Study Uncertain Phenotype Definitions in "Genetic Epidemiology of Seizure Disorders in Rochester Study" (NIH RO1 NS20656, Gertrude H. Sergievsky Center, Columbia University, New York)
- 2001-2002 **Co-A:** Association Studies for Human Disease Gene Mapping (Laboratory of Statistical Genetics, Rockefeller University, New York).
- 1999-2001 **Co-A:** Characterization of Schizophrenia-related Traits Using Applied Multivariate Statistical Methods (NIMH MH RO149487, Psychology Research Laboratory, Harvard Medical School, McLean Hospital, Belmont, Massachusetts & Department of Applied Mathematics and Statistics, SUNY at Stony Brook).
- 1998-1999 **Co-A:** Analysis of Borderline Personality Disorder-Related Phenotype: Analysis with Multivariate Methods (NIMH Grant of Adult Development, Harvard Medical School, McLean Hospital, Belmont, Massachusetts & Department of Applied Mathematics and Statistics, SUNY at Stony Brook).
- 1996-1997 **Co-A:** Simulation Study on the Relation of Estimated Probabilities of Kidney Transplant Allocation to HLA Matching Rules (Department of Applied Mathematics and Statistics and University Hospital, SUNY at Stony Brook, New York).
- 1996-1997 **Co-A:** Data Analysis related with the Quality Control Procedures for Leuko-Reduced Red Blood Products. Random-Effects Modeling on Unbalanced Data Set (Department of Applied Mathematics and Statistics, SUNY at Stony Brook, New York and PALL Biomedical Company, New York).
- 1994-1995 **Co-A:** Digital Imaging Concerning Stereoscopic Images (Department of Computer Science, Queen Mary & Westfield College, University of London, U.K. & Siemens, Munich, Germany).

Administrative Duties:

Royal Statistical Society 2021-present
 Emerging Areas in Statistics
 Publications Network Coordinator

International Genetic Epidemiology Society 2021-present
 Communications Committee
 Ambassador for Turkey and Cyprus

Health Ethics Committee Representative, Girne American University, Cyprus	2019-present
Cyprus American Alumni Advisory Board	2018-present
Coordinator of Assessment Unit Continuing Education Committee Member Medical Faculty Course Coordinator Assistant Health Ethics Committee Representative Faculty of Medicine, Eastern Mediterranean University, Cyprus	2014-2016
Research Advisory Board, Faculty Representative Introduction to Clinical Skills Research Coordinator Faculty of Medicine, Eastern Mediterranean University, Cyprus	2013-2016
2. Year Student Advisor Faculty of Medicine, Eastern Mediterranean University, Cyprus	2014-2015
1. Year Student Advisor Social Activities Coordinator Faculty of Medicine, Eastern Mediterranean University, Cyprus	2013-2014
CFE & ERCIM poster session at the ERCIM Computational Statistics Conference Biostatistics Session Chair University of Pisa, Pisa, Italy	2014
CFE & ERCIM poster session at the ERCIM Computational Statistics Conference Biostatistics Session Chair University of London, London, UK	2013
Biostatistics/Bioinformatics session at the ERCIM Computational Statistics Conference Biostatistics Session Chair University of Oviedo, Spain	2012
Biostatistics/Statistical Genetics session at the ERCIM Computational Statistics Conference Biostatistics Session Chair University of London, London, UK	2011
Science/project management experience in the Peer-Review and Expert Panel formation of Biomedical Projects for the European Space Agency AND the coordination and organization of the Exploratory Workshops in Medical Sciences obtained at the Medical Sciences Unit, European Science Foundation in Strasbourg, France, 2009.	
Keiretsu Forum, Paris Chapter, Private Equity Project, Entrepreneurial management process, Paris, France, 2016.	

Professional Societies:

- Royal Statistical Society – Emerging Areas in Statistics (EAS) Member.
- International Genetic Epidemiology Society (Ambassador for Turkey and Cyprus)
- New York Academy of Sciences (NYAS)
- Computational and Methodological Statistics (CMStatistics)
- Turkiye Biyoistatistik Dernegi (pending)

Editorial:

Plos One Journal Editorial Board
 Cyprus J of Medical Sciences, National Advisory Board
 Turkiye Hacettepe Nursing Journal

Academic Awards and Scholarships:

2017 Thunderbird Independent Alumni Association (TIAA) Global Excellence Award
 2016 SHARE – Thunderbird School of Global Management’s most prestigious full scholarship/mentorship program
 Thunderbird Independent Alumni Association (TIAA) Scholarship
 Arab Bankers Association of North America (ABANA) Fellowship
 American PsychoPathological Association (APPA) Meeting Award
 2015 Fulbright Visiting Scholarship for Columbia University USA, Summer 2015; Cyprus Fulbright Commission
 CAIA (Chartered Alternative Investment Analyst Association) Scholarship Award
 2014 Fulbright Alumni Grant ‘Fecal Contamination of Seawater in Cyprus’; Cyprus Fulbright Commission
 2009 University of Cambridge, Genetic Analyses of Diabetes Fellowship, Cambridge, UK
 2007 FRM (Fondation Recherche Médicale) Fellowship, France
 Nominated for Marquis Who’s Who 2009 Edition
 2006 Listed in Marquis Who’s Who: Silver Edition of Who’s Who of American Women
 2005 O-1 visa holder: (Extraordinary ability in the Sciences by the USA government)
 INSERM (Institut National de la Santé et de la Recherche Médicale) Fellowship, France
 2004 Genetic Analysis Workshop14 (GAW14) Award
 2001 State University of New York at Stony Brook teaching and research fellowship awards
 1993 Fulbright Scholarship for Graduate Study in the USA
 1990 Chevening (William Wilberforce) British Council Scholarship for Undergraduate Study in the UK
 1989 Fulbright Scholarship for Undergraduate Study in the USA

Lectures given during the last two years:

Academic Year	Course	Weekly hours		No. Of Students
		Theory	Practice	
2020-21	Research Methods in Pharmacy	2	1	42
	Biostatistics	2	1	51
	Advanced Biostatistics	2	1	15
	Research Methods in Nursing/Midwifery	2	1	82
	Research Methods in Pharmacy	2	1	43
	Biostatistics for Health Administration and Dietetics	2	1	30
2019-20	Research Methods in Pharmacy	2	1	45
	Biostatistics	2	1	64
	Advanced Biostatistics	2	1	11
	Research Methods in Nursing/Midwifery	2	1	83
	Biostatistics for Health Administration and Dietetics	2	1	29

Languages:

Bilingual English/Turkish. Fluent in French and good communication in German. Elementary Danish.

Publications

A. SCI-E indexed and international indexed peer reviewed articles:

1. Meryem Cetin, Pervin Ozlem Balci, Hakan Sivgin, Sirin Cetin, **Ayşe Ulgen**, Wentian Li. Alpha Variant (B.1.1.7) of SARS-CoV-2 Increases Fatality-Rate for age under 70 years Old Patients and Hospitalization Risk Overall. *Acta Microbiologica et Immunologica Hungarica* . Accepted for Publication. 2021.
2. Li W, Cetin S, **Ulgen A**, Sivgin H, Cetin M. Determine the glucose threshold for Covid-19 Severity Conditional on Other Factors. Submitted to *Diabetes Care*. 2021.
3. **Ulgen A**, Çetin S, Dede I. 'Survival Analysis in Colon Cancer Patients'. May 2021; J of Contemp Med 11(3):374-379.
<https://www.doi.org/10.16899/jcm.902588>
4. Sirin C, **Ulgen A**, Balci PO, Sivgin H, Cetin M, Sivgin S, Li W. Survival Analyses of COVID-19 Patients in a Turkish Cohort: Comparison between Using Time to Death and Time to Release. Apr 2021; SciMedicine:Vol 3, Special Issue COVID-19:1-9.
<https://www.doi.org/10.28991/SciMedJ-2021-03-SI-1>
5. Sirin C, **Ulgen A**, Dede I, Li W. 'On Fair Comparison between Random Survival Forest and Cox Regression: An Example of Colorectal Cancer Study'. Mar 2021; SciMedicine: Vol 3(1):66-76.
DOI: 10.28991/SciMedJ-2021-0301-9
6. Cetin S, Pasin O, Dede I, **Ulgen A**. An application of a cox mixed cure model for breast cancer patients. Feb 2021. Accepted by the Turkiye Klinikleri J of Biostat. In Press.
doi:10.5336/biostatic.2020-79287
7. Cetin S, Kose K, Karaaslan E, **Ulgen A**. Nonparametric Randomization-Based Analysis of Covariance Method in Repeated Clinical Categorical Data. 2021, Turkiye Klinikleri J Biostat: 13(1):50-6.
doi: 10.5336/biostatic.2020-79326
8. **Ulgen A**, Gurkut O, Li W. Potential Predictive Factors for Breast Cancer Subtypes from a North Cyprus Cohort Analysis. Dec, 2020 Cyprus Journal of Medical Sciences. 5(4): 339-49
doi:10:5152/cjms.2020.2291
<https://cyprusjmedsci.com/en/potential-predictive-factors-for-breast-cancer-subtypes-from-a-north-cyprus-cohort-analysis-168345>
9. Sirin C, **Ulgen A**, et al. 'A Study On Factors Impacting Length of Hospital Stay of COVID-19 Inpatients'. May 2021; J of Contemporary Medicine 11(3): 396-404
<https://www.doi.org/10.16899/jcm.911185>
10. Acar H, **Ulgen A**. Relationship between Thyroid Hormone Levels and Crime Type: A Controlled Study in Prisoners. *International Journal of Endocrinology*. vol. 2020, Article ID 9172134, 7 pages, **March 2020**.
<https://doi.org/10.1155/2020/9172134>

11. Charity J. Morgan, Michael J. Coleman, **Ayse Ulgen**, Lenore Boling, Jonathan O. Cole, Frederick V. Johnson, Jan Lerbinger, J. Alexander Bodkin, Philip S. Holzman, Deborah L. Levy. Thought Disorder in Schizophrenia and Bipolar Disorder Proband and Their Relatives. Accepted for Publication to *J. Schizophrenia Bulletin*, March 1 2017. <https://doi.org/10.1093/schbul/sbx016>
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5463905/>
12. Annapurna Poduri, Yuanjia Wang, Derek Gordon, Sandra Barral-Rodriguez, Christie Barker-Cummings, **Ayse Ulgen**, Vida Chitsazzadeh, Robert Sean Hill, Neil Risch, W. Allen Hauser, Timothy A. Pedley, Christopher A. Walsh, Ruth Ottman. Novel Susceptibility Locus in a Family with GEFS+ Syndrome. Oct 2009, *Neurology J*, 20;73(16):1264-72
<https://doi.org/10.1093/schbul/sbx016>
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2764413/>
13. Aschard H, Bouzigon E, **Ulgen A**, Corda E, Dizier MH, Gormand, F, Lathrop M, Kauffman F, Demenais F. Sex-specific effect of IL9 polymorphisms on lung function and polysensitization. Sep 2009, *Genes and Immunity Journal*;10(6):559-65
<https://doi.org/10.1038/gene.2009.46>
<https://rdcu.be/b3NWd>
14. Bouzigon E, **Ulgen A**, Dizier MH, Siroux V, Lathrop M, Kauffman F, Pin I, Demenais F. Evidence for a pleiotropic QTL on chromosome 5q13 influencing both time to asthma onset and asthma score in French EGEA families. 2007, *Hum Genet*, Vol 121, 6: 711-719
<https://link.springer.com/article/10.1007/s00439-007-0363-x>
15. **Ulgen A**, Li W. Comparing Single-Nucleotide Polymorphism Marker-Based and Microsatellite Marker-Based Linkage Analyses. Dec 2005, *BMC Genetics*, 6(Suppl 1):S13;p1-5.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1866807/pdf/1471-2156-6-S1-S13.pdf>
16. **Ulgen A**, Yoo YJ, Gordon D, Finch SJ, Mendell NR. Percentiles of the Null Distribution of 2 Maximum Lod Score Tests. 2004, *Human Heredity*, 57(1):39-48.
<https://www.ncbi.nlm.nih.gov/pubmed/15133311?dopt=Abstract>
17. **Ulgen A**, Han Z, Li W. Correlation between quantitative traits and correlation between corresponding LOD scores: detection of pleiotropic effects. 2003, *BMC Genetics*, 4(Suppl 1): S60-66.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1866498/pdf/1471-2156-4-S1-S60.pdf>
18. Acar H, **Ulgen A**. 'Comparison of Cost, Risks and Benefits of Robotic or Open Thyroidectomy on Thyroid Cancer'. March 2020. Accepted by the *Cyprus Journal of Medical Sciences*. In press.

B. Proceedings presented and published at international congresses:

1. **Ulgen A**, Cetin S. Relationship of Glucose and Covid-19 Severity. Accepted by the 2. Dunya Pandemi Arastirmalar Kongresi, August, 2021.
2. **Ulgen A**, Li W. Potential Predictive Factors for Breast Cancer Subtypes from a North Cyprus Cohort Analysis, *International Genetic Epidemiology Society Online Meeting*, 2-4 July, 2020. Published at the *Genetic Epidemiol*, 2020, 44: p 523. DOI: 10.1002/gepi.22298
3. **Ulgen A**. Relationship with Breast Cancer Subtypes and Potential Predictive Factors from a North Cyprus Cohort Study. *48th European Mathematical Genetics Meeting (EMGM)*, 16-17 April, 2020, Lausanne, Switzerland. *Human Heredity*, 2019, 84: p227. DOI:10.1159/000507248

4. Ayguz U., Genz Keles Asli, **Ulgen A.** Investigation of Polymorphisms Involved in Turkish Breast Cancer Patients. Presented at the *European Mathematical Genetics Meeting*, April 2019, **Human Heredity**, 2017, 18: 83: p 246. DOI: 10.1159/000499459
5. **Ulgen A**, Cantas L, Iacovides E, Meulen van der F. High quality seawater in Cyprus: a fecal contamination survey. **8th International Conference of the Computational and Methodological Statistics J (ERCIM14)**. 6-8 December 2014, p. 47, University of Pisa, Italy.
6. **Ulgen A**, Hjelmberg J, Wi L. Mediation of Genetic Effects. Presented at the *European Society of Human Genetics Meeting, Paris, France*, June 2013. **European Journal of Human Genetics**, Vol 21 Suppl 2, p. 405.
7. Ulgen A, McGue M. Genetic versus environmental trends on asthma related respiratory disorders. **5th International Conference of the Computational and Methodological Statistics (ERCIM12)**. 1-3 December 2012, p. 47, Oviedo, Spain.
8. **Ulgen A**, Tan Q, Christensen L. Gene-Gene interaction Analyses of Variants in the Serotonergic Pathway with Depression Symptomology in the Longitudinal Study of Aging Danish Twins. **European Mathematical Genetics Meeting**, April 2012, Goettingen, Germany. **Annals of Human Genetics Vol:76:432**
9. Aschard H, Bouzigon E, Corda E, **Ulgen A**, Dizier MH, Gormand F, Lathrop M, Kauffmann F, Demenais F, on behalf of the EGEA cooperative group
Sex-specific effect of IL9 polymorphisms on lung function and polysensitization in French EGEA families
European Respiratory Society Meeting, Vienna, Austria, September 2009.
Eur Respir J 2009; 34 :493s
10. **Ulgen A**, Bouzigon E, Aschard HA, Amos, C, Demenais F. Multi-marker methods lead to detect genetic variants at 2 loci on 21q21 associated with asthma-related phenotypes. Presented at the *International Genetic Epidemiology Society*, St Louis, MO, USA, Nov 2008. *Genetic Epidemiol*, Vol:32:718.
- 11 . Aschard H, Bouzigon E, Dizier MH, **Ulgen A**, Oryszczyn MP, Maccario J, Lathrop M, Kauffmann F, Demenais F. Evidence for sex-specific quantitative trait loci underlying asthma-related phenotypes in the French EGEA study. **International Genetic Epidemiological society** Tampa, Florida, USA, November 2006, **Genet Epidemiol 2007; 31: 460**
12. Bouzigon E, Siroux V, Dizier MH, **Ulgen A**, Pison C, Kauffmann F, Pin I, Demenais F. Multivariate extension of the Maximum-Likelihood-Binomial method shows pleiotropic effect of 5q13 on asthma expression and age of onset in the EGEA study. **International Genetic Epidemiological society** Tampa, Florida, USA, November 2006 , **Genet Epidemiol 2007; 31:463**

13. Demenais F, **Ulgen A**, Bouzigon E, Dizier MH, Maccario J, Lemainque A, Oryszczyn MP, Kauffmann F, Lathrop M, Amos C. Evidence for pleiotropic effects of 21q21 region on two asthma-related phenotypes in 295 French EGEA families. (Oral), **34th European Mathematical Genetics Meeting**, 2006, Cardiff, U.K.
14. **Ulgen A**, Bouzigon E, Dizier MH, Maccario J, Krahenbuhl C, Lemainque A, Oryszczyn MP, Kauffmann F, Lathrop M, Demenais F. Bivariate linkage analysis of asthma-related phenotypes in 295 French EGEA families indicates a pleiotropic quantitative trait locus (QTL) in the 21q22 region. 2005, **Genet Epidemiol, Vol:29:282**.
15. **Ulgen A**, Bouzigon E, Dizier MH, Maccario J, Krähenbühl C, Lemainque A, Oryszczyn MP, Kauffmann F, Lathrop M, Demenais F. Indication for a pleiotropic effect of a quantitative trait locus (QTL) on two asthma-related phenotypes in 295 French EGEA families. 2005, **Am J Hum Gen, p.424**.
16. **Ulgen A**, Bouzigon E, Dizier MH, Maccario J, Krahenbuhl C, Lemainque A, Oryszczyn MP, Kauffmann F, Lathrop M, Demenais F. Search for a quantitative trait locus with a pleiotropic effect on two asthma-related phenotypes in 295 French EGEA families. **European Mathematical Genetics Meeting**, La Kremlin-Bicêtre, France. 2005, **Ann Hum Genet, Vol:69:773**.
17. **Ulgen A**, Ottman R. Power to Detect Linkage when the Lod Score is Maximized over Mode of Inheritance and Phenotype Definitions. (Poster). **14th International Genetic Epidemiology Society**, September 2004, Noordwijkerhout, the Netherlands. **Genetic Epidemiol, Vol:27:3:300**
18. **Ulgen A**, Ottman R. Inflation of the Type I Error when Maximizing the Lod Score Over Models and Phenotype Definitions. (Poster). **International Genetic Epidemiology Meeting**, November 2003, Redondo Beach, California, USA.
19. Levy DL, Ji F, Coleman M, **Ulgen A**, Holzman PS, Matthyssse S, Mendell NR. Qualitative and Quantitative Phenotypes for Thought Disorder and their Usefulness in Linkage Studies of Schizophrenia. 2003, **Schizophrenia Research, Vol:60:1:84**
20. **Ulgen A**, Mendell NR, Finch SJ, Gordon D. Power of 3 Model Based Linkage Statistics. (Poster). **International Genetic Epidemiology Society Meeting**, November, 2002, New Orleans, Louisiana, USA.
21. **Ulgen A**, Mendell NR, Finch SJ, Gordon D. Comparisons of power for three model-based tests for linkage. **International Genetic Epidemiology Society Meeting**, November, 2002, New Orleans, Louisiana, USA. **Genetic Epidemiol, p.308**.
22. Levy DL, Ji F, **Ulgen A**, Coleman M, Shon D, Matthyssse S, Holzman PS, Mendell NR. Thought disorder in Clinically Unaffected Relatives of Schizophrenia Patients: Implications for Linkage Studies. 2002, **Soc for Research in Psychopathology**, San Francisco, CA.

C. Articles (ULAKBIM) indexed peer-reviewed journals:

1. **Ulgen A**, et al. 'COVID-19 Outpatients and Surviving Inpatients Exhibit Comparable Blood Test Results That Are Distinct From Non-Surviving Inpatients'. May 2021; J of Health Sci Med: 4(3):306-313.
<https://www.doi.org/10.32322/jhsm.900462>

2. Bekiroglu N, **Ulgen A**. Application of Parametric Accelerated Failure Time (AFT) Model in Early Stage Breast Cancer Patients.

July 2021; Pamukkale Medical J 14(3): 654-665.

<https://dx.doi.org/10.31362/patd.893954>

D. Presentations published at other international congresses.

1. **Ulgen A**, Gurkut O, Li W. Potential Predictive Factors for Breast Cancer Subtypes from a North Cyprus Cohort Analysis. **XXI. National and IV. International Biostatistics Congress**, 26-29 October, Antalya, Turkey.

E. Other Publications

1. Sirin C, **Ulgen A**, Sivgin H, Li W. Approximate Reciprocal Relationship Between Two Cause-Specific Hazard Ratios in COVID-19 Data with Mutually Exclusive Events. Apr 2021, MedRxiv:1-20.

<https://doi.org/10.1101/2021.04.22.21255955>

2. **Ulgen A**, Amos C. Quantitative Trait Loci on Chromosome 21 have Pleiotropic Effects on %FEV1 and Allergen Polysensitization: asthma related traits in the EGEA study. April 2020. Medrxiv: 1-36.

<https://medrxiv.org/cgi/content/short/2020.04.17.20069369v1>

3. **Ulgen A**, Gurkut O, Li W. An Epidemiological Survey of Breast Cancer and Its Subtypes in North Cyprus. Oct, 2019. Medrxiv preprint.

<https://www.medrxiv.org/content/10.1101/19010181v1>

4. Modirrousta M, Modirrousta M, Kheradmand S, Soroush S, Salari H, Soroush E, Ulgen A. Cancer Risk Factors: Level of People Awareness. Marmara Medical J, P 136, May 2014.

5. Alpdoğan MA, Acar N, Akintug B, Khsawneh B, Ulgen A. Urinary Tract Infection in North Cyprus: Patient and Doctor Attitudes. Marmara Medical J, P 90, May 2014.

6. Abdelqader A, Abuhussain S, Bakkaloglu Y, Hacilar A, Ulgen A. Life in SOS Village- Cyprus from Volunteered Mothers Perspective. Marmara Medical J, P 93, May 2014.

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