

PART I: General Information

DATE PREPARED: December 21, 2011

Name: Peter Kraft

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Place of Birth: Michigan, USA

Education:

1993 B.A. Mathematics, University of Michigan
1993 B.A. German, University of Michigan
1996 M.A. Applied Mathematics, University of Southern California
1998 M.A. Biostatistics, University of Southern California
2002 Ph.D. Biostatistics, University of Southern California

Postdoctoral Training:

2002 - 2003 Postdoctoral Fellow, Department of Biostatistics, University of California, Los Angeles, CA

Academic Appointments:

1994 - 1996 Teaching Assistant, Department of Mathematics, University of Southern California, Los Angeles, CA
1997 - 1998 Research Assistant, Department of Preventive Medicine, University of Southern California, Los Angeles, CA
2003 - 2008 Assistant Professor, Departments of Epidemiology and Biostatistics, Harvard School of Public Health, Boston, MA
2008 - Associate Professor, Departments of Epidemiology and Biostatistics, Harvard School of Public Health, Boston, MA

Hospital or Affiliated Institution Appointments:

- 1998 - 2001 Chief Consultant, Statistical Consultation and Research Center, University of Southern California, Los Angeles, CA
- 1998 - 2002 Statistician, Department of Preventive Medicine, University of Southern California, Los Angeles, CA
- 2007 - Member, Dana-Farber/Harvard Cancer Center, Cancer Epidemiology and Biostatistics Programs

Other Professional Positions and Major Visiting Appointments:

- 2005 - 2008 Consultant, National Cancer Institute, Cancer Genetic Markers of Susceptibility (CGEMS) study
- 2006 - Consultant, National Cancer Institute, PanScan study
- 2009 - Associate member, Broad Institute, Cambridge, MA

Administrative Responsibilities

- 2003 - 2006 Organizer, Gene \times Environment Interaction Seminar Series
- 2009 - Deputy Director, Program in Molecular and Genetic Epidemiology
- 2009 - Co-Director, Program in Quantitative Genomics, Harvard School of Public Health

Committee Assignments:

- 2004 - Member, Program in Molecular and Genetic Epidemiology Admissions Committee
- 2004 - 2009 Member, Bioinformatics Core Advisory Group
- 2004 - 2006 Member, Biostatistics Seminar Series Committee
- 2004 - 2005 Member, Biostatistics Teaching Effectiveness Committee
- 2006 - 2007 Member, Biostatistics Curriculum Committee (Bioinformatics Subcommittee)
- 2007 - 2009 Member, HSPH Strategic Initiative in Genes and Environment Advisory Committee
- 2007 - 2011 Member, Steering Committee, NHGRI PhenX Project
 - 2007 - 2011 Liaison, Demographics Working Group
 - 2010 - 2011 Liaison, Social Environment Working Group

- 2008 - 2009 Member, Program in Molecular and Genetic Epidemiology Faculty Search Committee
- 2009, 2011 Co-organizer, Program in Quantitative Genomics Annual Conference
- 2010 - Member, The NIDA Genes, Environment, and Development Initiative (GEDI) Advisory Committee
- 2010 - Member, Gene Environment Interaction and Disparities Working Group, Harvard/MGH Center on Genomics, Vulnerable Populations and Health Disparities
- 2010 - Member, Harvard Catalyst Health Disparities Research Program Advisory Committee
- 2011 - Member, Organizing Committee, NCI Think Tank on Gene Environment Interactions
- 2011 - Member, Massachusetts General Hospital Analytic and Translational Genetics Unit Faculty Search Committee

Professional Societies:

- 1999 - Member, International Genetic Epidemiology Society (IGES)
- 2008 - 2010 Member, IGES Scientific Program Committee
- 2009 - Member, IGES Board of Directors
- 2002 - Member, American Statistical Association
- 2011 Member, Byar Award Review Committee
- 2003 - Member, American Society for Human Genetics
- 2004 - Member, American Association for Cancer Research
- 2011- Member, AACR Integrative Cancer Epidemiology Workshop Planning Committee

Editorial Activities:

Editorial Boards:

- 2008 - 2010 Associate Editor, *Cancer Causes and Control*
- 2010 - Associate Editor, *Statistics in Medicine*
- 2011 - Member, Editorial Board, *Genetic Epidemiology*

Reviewer:

- 2005 - 2006 Cancer Research UK
- 2007 - 2009 Center for Inherited Disease Research

2007	European Commission's 7th Framework Programme for Research
2009	NIMH Special Emphasis Panel
2009	NIMH GO Grant Review Panel
2009	NINDS GO Grant Panel
2009	NCI Intramural Program Site Visit
2009	AXA Foundation
2010	Research Grants Council, Hong Kong Special Administrative Region
2010	AAAS Research Competitiveness Service
2011	American Statistical Association Byar Award Review Committee
2011	NIH Genomics, Computational, Biology, and Technology Study Section

Ad hoc reviewer for:

American Journal of Epidemiology, American Journal of Human Genetics, Bioinformatics, Biostatistics, BMC Genetics, Breast Cancer Research, Cancer Epidemiology Biomarkers and Prevention, Cancer Research, Epidemiology, European Journal of Human Genetics, Genetic Epidemiology, Genome Medicine, Human Genetics, Human Heredity, Human Molecular Genetics, Nature Genetics, Nature Reviews Genetics, PLoS Genetics, Proceedings of the National Academy of Sciences, Statistical Science

Awards and Honors:

1993	Magna cum laude, Mathematics, University of Michigan
1993	Magna cum laude, German, University of Michigan
2007	Junior Faculty Sabbatical Award, HSPH

Part II: Research, Teaching, and Clinical Contributions

A. Narrative report of Research, Teaching, and Clinical Contributions.

Dr. Kraft's research concentrates on statistical methodology for genetic association studies, with particular emphasis on genome-wide association studies (GWAS). He has published on haplotype analysis, cost-saving multi-stage designs for GWAS, and integrating gene-environment and gene-gene interaction into the analysis of GWAS. Dr. Kraft collaborates with researchers at the National Cancer Institute and the Harvard School of Public Health on the Cancer Genetic Markers of Susceptibility project—parallel scans for loci influencing breast and prostate cancer risk—and PanScan—a screen for pancreatic cancer susceptibility loci. He is a member of the statistics working group for the international Breast and Prostate Cancer Cohort Consortium, which is investigating variation in particular genetic pathways using an unprecedented large sample. He also collaborates with researchers at the Harvard School of Public Health and Brigham and Women's Hospital on studies of colorectal cancer, diabetes, heart disease, and kidney stone formation.

B. Funding Information

1. Current funded research

- 2010-2011 **Sequencing Regions Associated with Breast Cancer Risk in European and African Americans**
NIH- U01 HG005922-01
PI: Kraft
Role: Principal Investigator
- 2010 - 2015 **Genetic Predictors of Response to Anti-TNF Therapy in Rheumatoid Arthritis**
NIH (BWH sub to HSPH) - U01 GM092691
PI: Plenge
Role: Co-Investigator
- 2010 - 2015 **Dietary and Hormonal Determinants of Cancer in Women**
NIH (BWH sub to HSPH) - 2P01CA87969-11
PI: Hankinson
Role: Subcontract PI
- 2009 -2010 **Genome-Wide Association Study of Endometrial Cancer**
NIH/NCI (BWH sub to HSPH) - R01 CA134958
PI: Devivo
Role: Co-Investigator
- 2009 - 2011 **Evaluating the Clinical Validity of Novel Gene-Environment Risk Profiles**
NIH/NIDDK - R21 DK084529
PI: Kraft
Role: Principal Investigator
- 2010 - 2014 **Discovery Biology and Risk of Inherited Variants in Breast Cancer**
NIH/NCI - U19 CA148065-01
PI: Hunter
Role: Principal Investigator
- 2010 - 2014 **Elucidating Loci Involved in Prostate Cancer Susceptibility**
NIH/NCI (USC sub to HSPH) - U19 CA148537-01
PI: Henderson
Role: Principal Investigator
- 2007 - 2011 **Characterizing Genetic Susceptibility to Breast & Prostate Cancer; the BPC3**
NIH/NCI (BWH sub to HSPH) - U01 CA098233
PI: Hunter
Role: Statistician
- 2007 - 2011 **Cysteine, Related Gene Variants, and Breast Cancer Risk**
NIH/NCI - R01 CA124857
PI: Willett
Role: Principal Investigator

- 2007 - 2012 **Prospective Studies of Diet and Cancer in Men and Women**
 NIH/NCI - P01 CA055075
 PI: Willett
 Role: Statistical Geneticist
- 2007 - 2012 **The Pathobiology of Nephrolithiasis**
 NIDDK - P01 DK070756-01A1
 PI: Curhan
 Role: Co-Investigator/Statistical Geneticist

2. Past funded research (partial)

- 1999 - 2009 **Genetic Susceptibility to Endometrial Cancer**
 NIH/NCI - R01 CA082838-06A2
 PI: De Vivo
- 2000 - 2008 **Molecular Epidemiology of ARDS**
 NHLBI - R01 HL060710
 PI: Christiani
- 2003 – 2007 **Breast and Prostate Cancer and Hormone Related Gene Variants**
 NCI - U01CA098233
 PI: Hunter
- 2003 – 2008 **Folate, One-Carbon Nutrients, Gene-Variants and Colon Cancer**
 NCI - U54 CA100971
 PI: Hunter
- 2004 - 2006 **Statistical Software for Haplotype and Haplotype x Environment Association Studies**
 NIEHS Center Pilot Project Grant
 PI: Kraft
- 2004 - 2008 **Dietary fatty acids, PPAR-activated genes and heart disease**
 NHLBI - RO1 HL071888
 PI: Campos
- 2005 - 2008 **Gene by environment interactions in asthma and allergies**
 NIAID - 1R01AI056230-01A2
 PI: Litonjua
- 2006 - 2008 **Clock genes, night work, and breast cancer risk**
 NCI - 1R01 CA114534-01
 PI: Schernhammer
- 2006 - 2009 **Measurement Errors in Cancer Epidemiology**
 NCI - R01 CA50597
 PI: Spiegelman
- 2007 - 2009 **Genes and Environment Initiatives in Type 2 Diabetes**
 NHGRI - U01 HG004399
 PI: Hu

- 2007 - 2009 **Cohort Study of Genetic Susceptibility to Breast Cancer**
NIH/NCI - R01 CA065725
PI: Hunter
- 2008 - 2009 **Prospective Cohort Collaborative in Pancreatic Cancer Epidemiology and Pathogenesis**
NCI - R01 CA124908
PI: Fuchs
- 2008 - 2009 **Cohort Study of Genetic Susceptibility to Cutaneous Malignant Melanoma**
NCI - R01 CA122838-01A2
PI: Han
- 2005 - 2010 **Dietary and Hormonal Determinants of Cancer in Women (Core A and D)**
NIH/NCI - P01 CA087969 (HSPH subcontract)
PI: Hankinson
Role: Co-Investigator/Statistical Geneticist
- 2006 - 2010 **Estrogen and Progesterone-Related Gene Variants and Colorectal Cancer Risk**
NIH/NCI - R01 CA123089
PI: Zhang
Role: Co-Investigator
- 2008 - 2010 **Genetics of Coronary Disease in Type 2 Diabetes**
NIH/NHLBI - R01 HL073168
PI: Doria
Role: Co-Investigator
- 2008 -2010 **Sex Steroid Hormones, Gene Variants, and Colorectal Cancer**
NIH - R01CA126846-01A2
PI: Lin
Role: Statistician
- 2009 – 2010 **Urate as a Predictor of Parkinson's Disease Risk and Progression**
NINDS - 1R01NS061858-01A1
PI: Ascherio
Role: Co-Investigator
- 2009 -2013 **Genetic Markers of CHD in Type 2 Diabetes**
NIH/NHLBI - R01 HL071981
PI: Qi
Role: Statistician

C. Report of Current Research Activities

Dr. Kraft continues to work on the design and analysis of candidate-gene and genome-wide association studies, with particular emphasis on efficient and interpretable "gene \times environment interaction" analyses. He is also investigating flexible methods for the analysis of multiple variants from functionally related genes ("pathway analyses") that may have been genotyped in the context of either candidate gene or genome-wide association studies. Developing and evaluating prediction models based on multiple variants discovered via genome-wide association studies is an emerging area of interest.

Dr. Kraft collaborates with colleagues in the Department of Epidemiology and the Channing Laboratory on a number of large-scale cohort studies, such as the Nurses' Health Study, as well as the international Cohort Consortium for Breast and Prostate Cancer. He is lead statistician on the NCI's PanScan project (genome-wide screen for germline variants that influence pancreatic cancer), as well as CGEMS "value added" analyses based in the NHS genome-wide breast cancer scan (i.e. GWAS for other traits measured in NHS samples, including, among other anthropometric traits, plasma biomarker levels and smoking behavior).

D. Report of Teaching

1. Local contributions

a. Harvard School of Public Health

2004 - 2005	<i>Fundamental Concepts of Gene Mapping</i> Grading Instructor (with C Lange Co-Instructor) 35 students; 30 hours / year
2005 - 2006	<i>Statistical Genetics of Complex Human Disease</i> Co-Instructor (with C Lange Grading Instructor) 20 students; 30 hours / year
2006	<i>Advanced Topics in Epidemiologic Methods</i> Grading Instructor 5 students; 15 hours / year
2006 – 2008, 2010	<i>Analysis of Genetic Association Studies</i> Grading Instructor 15 students; 30 hours / year
2009	<i>Advanced Topics in the Analysis of Case Control and Cohort Studies</i> Co-Instructor (with F Cook and E Tchetgen Co-Instructors) 60 students; 60 hours / year
2010-	<i>Advanced Topics in the Analysis of Case Control and Cohort Studies</i> Grading Instructor Instructor (with L Chibnik Co-Instructor) 50 students; 60 hours/year
2010-	<i>Genetic Epidemiology</i> Grading Instructor (with David Hunter Co-Instructor) 50 students; 60 hours/year

b. Local invited teaching presentations

2004	<i>Finding a needle in a stack of other needles: challenges and opportunities in human genome epidemiology</i> Racebrook Environmental Statistics Retreat
2004	<i>SNP selection for candidate gene association studies</i> HSPH Bioinformatics Seminar Series
2005	<i>HapMap progress report</i> HSPH Bioinformatics Seminar Series

- 2006 *Design and analysis of whole genome association studies using unrelated subjects*
HSPH Bioinformatics Mini-Course
- 2007 *Analysis of gene-environment interactions*
Guest lecturer, EPI222: *Genetic Epidemiology of Diabetes and its Complications*
- 2007 *Analysis of gene-environment interactions*
Guest lecturer, ID221: *Nutritional Epidemiology II*
- 2007 *Design of multi-stage genome-wide association studies*
HSPH Bioinformatics Mini-Course
Guest lecturer, BIO292: *Introductory Genomics and Bioinformatics for Health Research*
- 2008 *Double dipping allowed? Genome-wide scans for secondary trait loci in case-control samples*
Broad Institute Medical and Population Genetics Seminar Series
- 2009 *Nature and Nurture: Gene-environment ‘interactions’ in genome-wide association studies*
Boston Obesity Nutrition Research Center, Obesity Gene-Environment Interaction Workshop
- 2009 *Inherited Risk and Prognostic Prediction – An Emerging Clinical Imperative?*
DF/HCC Cancer Symposium
- 2009 *Nature and Nurture: Gene-environment ‘interactions’ in genome-wide association studies*
A Primer on Complex Trait Genetics: Principles for the Clinical Investigator, Broad Institute
- 2009 *Imputation and Meta-analysis for Genome-Wide and Candidate Gene Association Studies*
PQG Tutorials on Computational Tools for Analyzing Genomic and Proteomic Data
- 2009 *Finding genetic determinants of complex traits - and what to do with them*
HSPH Summer Program in Quantitative Sciences
- 2009 *Gene-environment and gene-gene interactions*
Broad Primer on Medical and Population Genetics
- 2009 *Analysis of gene-environment interactions*
Guest lecturer, ID221: *Nutritional Epidemiology II*
- 2010 *Nature and Nurture: Gene-environment ‘interactions’ in genetic association studies*
A Primer on Complex Trait Genetics: Principles for the Clinical Investigator, Broad Institute
- 2011 *Gene-Environment Interactions in Genome-Wide Association Studies*
Guest lecturer, ID542: *Methods for Mediation and Interaction*

c. Advisees and trainees

Duration of Training	Name	Current Position or Research Topic
2004 -2010	Yu-Chun (Jean) Yen ScD, Epidemiology	
2004 - 2010	Genevieve Monsees ScD, Epidemiology	Postdoctoral fellow, Fred Hutchinson Cancer Research Center
2004 - 2010	Fangyi Gu ScD, Epidemiology	Postdoctoral fellow, National Cancer Institute Division of Cancer Epidemiology and Genetics
2004 - 2005	Monica Ter-Minassian MS, Epidemiology	Postdoctoral fellow, HSPH
2004 - 2006	Deanna Petrochilos MS, Epidemiology	PhD Candidate, Biomedical and Health Informatics, University of Washington School of Medicine
2005 - 2006	Oemer Goek MPH, Quantitative Methods	
2005 - 2007	Helen Shih MPH, Quantitative Methods	
2007 - 2010	Ying Feng MS, Epidemiology	
2008 - 2010	Wen Lin MS, Epidemiology	
2008 - 2010	Sara Lindström Postdoctoral Fellow	Research Scientist, Harvard School of Public Health
2009- 2011	Mousheng Xu Postdoctoral Fellow	Hubei Vidagen Gene Technology Co., LTD. (Founder & CEO)
2009 -	Linda Hiraki ScD, Epidemiology	
2010-	Hugues Aschard Postdoctoral Fellow	
2010 -	Akweley Ablorh ScD, Epidemiology	

2011 - Amit Joshi
Postdoctoral Fellow

2011 - Cindy Wu
Postdoctoral Fellow

d. Doctoral dissertation committee membership

2003 - 2004 Monica McGrath, Epidemiology

2003 - 2004 Jennifer Pai, Epidemiology

2004 Yadong Yang, Environmental Health

2004 - 2006 Amy Murphy, Biostatistics

2004 - 2005 Stephanie Chiuve, Nutrition

2005 - 2006 Edward Ruiz-Navaerez, Epi and Nutrition

2005 - 2008 Ruy Lopez Ridaura, Nutrition

2006 - 2008 Kathryn Penney, Epidemiology

2006 - 2008 Jennifer Stark-Rider, Epidemiology

2006 - 2008 Christine Jesser, Epidemiology

2007 - 2009 Chunyan He, Epidemiology

2007 - 2008 Jessica Paulus, Epidemiology

2007 - 2008 Julia DiBello, Epidemiology (Brown University)

2007 Shun-Chiao Chang, Epidemiology

2007 - 2008 Julie Kasperzyk, Epidemiology

2009 - 2011 Rain Cui, Biostatistics

2009 - 2010 Stalo Karageorgi, Epidemiology

2009 - Gourab De, Biostatistics

2010 - 2011 Irene Shui, Epidemiology

2010 - Margaret Du, Epidemiology

2010 - Cindy Lin, Biostatistics

2011 - Mitchell Machiela, Epidemiology

2011 - Chia-yen Chen, Epidemiology

2011 - Alan Fung, Epidemiology

e. Master's thesis reader

2008-2009 Pallavi Mishra, Epidemiology

2. Regional, national, and international contributions

a. Regional

- 2006 *Case-control studies of single loci: basic analyses*
NCI Core Genotyping Facility Mini-Course (Bethesda, MD)
- 2009 *Genome-wide association studies and cancer: what we've learned, and what we haven't learned (yet)*
UMass-Amherst SPHHS Joint BIO/EPI Seminar Series (Amherst, MA)
- 2010 *Newly Identified Common Alleles Associated with Breast Cancer Incidence: Implications for Risk Prediction and Prevention*
Translating Emerging Science to Reduce Breast Cancer Disparities
The Biological and Social Implications of Targeted Tests and Treatments, Harvard Medical School (Boston, MA)
- 2010 *Genome-wide association studies and personalized medicine*
Grand Rounds, Leonard Morse Hospital (Natick, MA)

b. National

- 2005 *Haplotypes in studies of gene environment interaction*
HapMap and the Neurogenetics of Alcoholism Workshop
(Washington, DC)
- 2005 *SNP selection for candidate gene association studies*
AACR Annual Meeting (Anaheim, CA)
- 2006 *Accounting for etiologic heterogeneity in design and analysis of case-control studies*
University of Southern California (Los Angeles, CA)
- 2006 *Genome-wide and candidate gene association studies for transplantation*
Scripps Institute (La Jolla, CA)
- 2006 *Two-Stage Genome-Wide Association Designs Based on False Positive Report Probabilities*
Pacific Symposium on Biocomputing (Maui, HI)
- 2006 *Allowing for etiologic heterogeneity by disease subtype increases the power of tests for genetic association*
Joint Statistical Meetings (Seattle WA)
- 2008 *Design, Analysis, and Interpretation of Genome-Wide Association Studies*
AACR Special Conference on Genome-Wide Association and Pathway Studies (Carefree, AZ)

- 2008 *Short course: Design and Analysis of Genome-Wide Association Studies*
Eastern North American Meeting (Arlington, VA)
- 2008 *'I'm not sure I'm Agnostic': Incorporating 'Known' Biology into Analysis and Interpretation of Genome-wide Association Studies*
DIMACS Workshop on Computational Issues in Genetic Epidemiology (New Brunswick, NJ)
- 2009 *GWAS and Risk Assessment*
100th AACR Annual Meeting (Denver, CO)
- 2009 *Nature and Nurture: Conducting, Analyzing and Interpreting Gene-Environment Interaction*
Centers for Disease Control University Training Course
- 2009 *Statistical Issues in Building and Evaluating Genetic Risk Predictors*
Organizer/Chair, Invited Section on Statistics in Epidemiology, Biopharmaceutical Section
JSM Annual Meeting (Washington, DC)
- 2009 *The GWAS perspective: indentifying subtypes and improving risk prediction*
NCI Workshop on Integration of Genomic and Somatic Data (Dec) (Bethesda, MD)
- 2009 *Assessing the incremental value of genetic risk markers beyond clinical risk factors*
Human Genome Epidemiology Network (HuGENet) Workshop: Strengthening the Reporting of Genetic Risk Prediction Studies (GRIPS) (Atlanta, GA)
- 2010 *Statistical Interaction in Observational and Clinical Studies: Challenges and Limitations*
NIH Genes, Environment and Health Initiative Workshop on Gene-Environment Interplay in Common Complex Diseases: Forging an Integrative Model (Bethesda, MD)
- 2010 *Gene-environment Interactions in Observational and Clinical Studies: Challenges and Limitations*
NIG Next Generation Analytic Tools for Large Scale Genetic Epidemiology Studies of Complex Diseases Workshop (Bethesda, MD)
- 2011 *Gene-environment Interactions in Observational and Clinical Studies: Challenges and Limitations*
Brain Tumor Epidemiology Consortium (San Francisco, CA)
- 2012 *State of Science: Gene-Environment Interactions in Breast Cancer*
NCI Think Tank on Gene-Environment Interactions (Bethesda MD)
- 2012 *Title TBD*
University of Alabama Seminar Series (Birmingham AL)

c. International

- 2004 *Haplotypes in studies of gene environment interaction*
International Conference on Analysis of Genomic Data (Boston, MA)
- 2004 *Sources of measurement error in haplotype tagging studies of complex disease*
Joint Statistical Meetings (Toronto, Canada)
- 2004 *Efficient two-stage genome-wide association designs based on False Positive Report Probabilities*
International Genetic Epidemiology Society Meeting (Noordwijkerhout, the Netherlands)
- 2005 *Integrating epidemiology and genetic association*
The Royal Society (London, United Kingdom)
- 2005 *Design and analysis of candidate gene association studies using 'tagging SNPs'*
Samuel Lunenfeld Research Institute (Toronto, Canada)
- 2005 *Genome-wide association scans for prostate and breast cancer: design and analysis*
International Genetic Epidemiology Society Meeting (Park City, UT)
- 2007 *From candidate genes to pathways to the whole genome: large-scale genetic association studies of prostate cancer: prospects and preliminary results*
AACR/JCA In the Forefront of Basic and Translational Cancer Research Conference (Waikoloa, HI)
- 2007 *Leveraging the Environment to Find Complex Disease Genes*
International Genetic Epidemiology Society Meeting (York, England)
- 2007 *What a difference a year makes: Lessons learned from early genome-wide association scans and their implications for cancer treatment and prevention*
Panhellenic Anticancer Congress (Athens, Greece)
- 2008 *Genome-Wide Association Scans (GWAS): Past, Present and Future*
International Biometric Society Meeting (Munich, Germany)
- 2008 *Crystal Ball, Magic 8 Ball, or Both? Statistical Issues in Building and Evaluating Genetic Risk Prediction Models*
International Genetic Epidemiology Society (St. Louis, MO)
- 2009 *Nature and Nurture: Gene-environment 'interactions' in genome-wide association studies*
3rd Paris Workshop on Genomic Epidemiology (Paris, France)
- 2010 *Measure Twice, Cut Once: Is individualized prevention important and practical?*
Joint Congress of the German Society for Social Medicine and Prevention, the German Society for Epidemiology and the European Union of Medicine in Assurance and Social Security (Berlin, Germany)

- 2011 *Finding hidden heritability for complex diseases using linear mixed models: Lessons learned in the school of hard knocks*
Canadian Genetic Epidemiology Meeting (Toronto, Canada)
- 2011 *Methods for Genome-Wide Gene-Environment Interaction Scans*
Karolinska Institute Meeting on GxE interactions (Stockholm, Sweden)

Bibliography (193 total peer-reviewed articles)

Original Articles

1. Heerema, N.A., H.N. Sather, M.G. Sensel, **P. Kraft**, J.B. Nachman, P.G. Steinherz, B.J. Lange, R.S. Hutchinson, G.H. Reaman, M.E. Trigg, D.C. Arthur, P.S. Gaynon, and F.M. Uckun, *Frequency and clinical significance of cytogenetic abnormalities in pediatric T-lineage acute lymphoblastic leukemia: a report from the Children's Cancer Group*. J Clin Oncol, 1998. **16**(4): p. 1270-8.
2. Waurzyniak, B.J., N. Heerema, M.G. Sensel, P.S. Gaynon, **P. Kraft**, H.N. Sather, L. Chelstrom, G.H. Reaman, and F.M. Uckun, *Distinct in vivo engraftment and growth patterns of t(1;19)+/E2A-PBX1+ and t(9;22)+/BCR-ABL+ human leukemia cells in SCID mice*. Leuk Lymphoma, 1998. **32**(1-2): p. 77-87.
3. Uckun, F.M., M.G. Sensel, H.N. Sather, P.S. Gaynon, D.C. Arthur, B.J. Lange, P.G. Steinherz, **P. Kraft**, R. Hutchinson, J.B. Nachman, G.H. Reaman, and N.A. Heerema, *Clinical significance of translocation t(1;19) in childhood acute lymphoblastic leukemia in the context of contemporary therapies: a report from the Children's Cancer Group*. J Clin Oncol, 1998. **16**(2): p. 527-35.
4. Uckun, F.M., J.B. Nachman, H.N. Sather, M.G. Sensel, **P. Kraft**, P.G. Steinherz, B. Lange, R. Hutchinson, G.H. Reaman, P.S. Gaynon, and N.A. Heerema, *Clinical significance of Philadelphia chromosome positive pediatric acute lymphoblastic leukemia in the context of contemporary intensive therapies: a report from the Children's Cancer Group*. Cancer, 1998. **83**(9): p. 2030-9.
5. Uckun, F.M., J.B. Nachman, H.N. Sather, M.G. Sensel, **P. Kraft**, P.G. Steinherz, B. Lange, R. Hutchinson, G.H. Reaman, P.S. Gaynon, and N.A. Heerema, *Poor treatment outcome of Philadelphia chromosome-positive pediatric acute lymphoblastic leukemia despite intensive chemotherapy*. Leuk Lymphoma, 1999. **33**(1-2): p. 101-6.
6. Siegmund, K.D., B. Langholz, **P. Kraft**, and D.C. Thomas, *Testing linkage disequilibrium in sibships*. Am J Hum Genet, 2000. **67**(1): p. 244-8.
7. **Kraft, P.** and D.C. Thomas, *Bias and efficiency in family-based gene-characterization studies: conditional, prospective, retrospective, and joint likelihoods*. Am J Hum Genet, 2000. **66**(3): p. 1119-31.
8. Sherwin, R.P., V. Richters, **P. Kraft**, and A. Richters, *Centriacinar region inflammatory disease in young individuals: a comparative study of Miami and Los Angeles residents*. Virchows Arch, 2000. **437**(4): p. 422-8.
9. **Kraft, P.**, *A robust score test for linkage disequilibrium in general pedigrees*. Genet Epidemiol, 2001. **21 Suppl 1**: p. S447-52.
10. **Kraft, P.** and M. Wilson, *Family-based association tests incorporating parental genotypes*. Am J Hum Genet, 2002. **71**(5): p. 1238-9; author reply 1240-2.
11. Kang, T., **P. Kraft**, W.J. Gauderman, and D. Thomas, *Multiple imputation methods for longitudinal blood pressure measurements from the Framingham Heart Study*. BMC Genet, 2003. **4 Suppl 1**: p. S43.
12. **Kraft, P.**, L. Bauman, J.Y. Yuan, and S. Horvath, *Multivariate variance-components analysis of longitudinal blood pressure measurements from the Framingham Heart Study*. BMC Genet, 2003. **4 Suppl 1**: p. S55.

13. Allen, E., S. Horvath, F. Tong, **P. Kraft**, E. Spiteri, A.D. Riggs, and Y. Marahrens, *High concentrations of long interspersed nuclear element sequence distinguish monoallelically expressed genes*. Proc Natl Acad Sci U S A, 2003. **100**(17): p. 9940-5.
14. **Kraft, P.**, E. Schadt, J. Aten, and S. Horvath, *A family-based test for correlation between gene expression and trait values*. Am J Hum Genet, 2003. **72**(5): p. 1323-30.
15. Tamimi, R.M., S.E. Hankinson, D. Spiegelman, **P. Kraft**, G.A. Colditz, and D.J. Hunter, *Common ataxia telangiectasia mutated haplotypes and risk of breast cancer: a nested case-control study*. Breast Cancer Res, 2004. **6**(4): p. R416-22.
16. **Kraft, P.** and D.C. Thomas, *Case-sibling gene-association studies for diseases with variable age at onset*. Stat Med, 2004. **23**(23): p. 3697-712.
17. **Kraft, P.**, C.G. Palmer, A.J. Woodward, J.A. Turunen, S. Minassian, T. Paunio, J. Lonnqvist, L. Peltonen, and J.S. Sinsheimer, *RHD maternal-fetal genotype incompatibility and schizophrenia: extending the MFG test to include multiple siblings and birth order*. Eur J Hum Genet, 2004. **12**(3): p. 192-8.
18. **Kraft, P.**, *Multiple comparisons in studies of gene x gene and gene x environment interaction*. Am J Hum Genet, 2004. **74**(3): p. 582-4; author reply 584-5.
19. Cox, D.G., S.E. Hankinson, **P. Kraft**, and D.J. Hunter, *No association between GPX1 Pro198Leu and breast cancer risk*. Cancer Epidemiol Biomarkers Prev, 2004. **13**(11 Pt 1): p. 1821-2.
20. Cox, D.G., **P. Kraft**, S.E. Hankinson, and D.J. Hunter, *Haplotype analysis of common variants in the BRCA1 gene and risk of sporadic breast cancer*. Breast Cancer Res, 2005. **7**(2): p. R171-5.
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