

Mehmet Kocak
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Department of Preventive Medicine
University of Tennessee Health Science Center
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ACADEMIC DEGREES

January 2007-August 2011

Ph.D. in Applied Statistics

Dissertation Title: *Bayesian and Meta- Analyses of Cell-Cycle Gene Expression Data*

Advisor: Dr. Ebenezer O. George

University of Memphis, Memphis, TN, USA

Jan 1998-Dec-1999

M.Sc. in Applied Statistics

Michigan State University, East Lansing, MI, USA

Sep. 1991-March 1996

B.Sc. in Statistics

Hacettepe University, Ankara, Turkey

PROFESSIONAL APPOINTMENTS

08/2011-Present: *Assistant Professor* of the Division of Biostatistics and Epidemiology) at the Department of Preventive Medicine in the College of Medicine at University of Tennessee Health Sciences Center (UTHSC) (<http://www.uthsc.edu/prevmed/pm/>)

My responsibilities include 65% collaborative research, 30% teaching, and 5% university-wide service at various committees.

Collaborative Research within Pediatric Brain Tumor Consortium (PBTC) and Children's Oncology Group (COG):

- Develop statistical designs for Phase-I and Phase-II clinical trials within Pediatric Brain Tumor Consortium (PBTC). Responsibilities include but not limited to sample size and power calculations, writing analysis plans for primary and secondary objectives, constructing stopping rules and performing simulation studies to check the operating characteristics of various design parameters.
- For Phase-I trials, monitor and provide dose escalation/de-escalation decisions for various designs including CRM (Continual Reassessment Method) and Traditional Dose Escalation

design, communicating dose-escalation decisions to study chairs; and performing simulation studies to inform the decision-making process in trial design and operation.

- For Phase-II trials, monitor trials for early stopping rules and interim analyses as well as analyzing the data to address the primary objectives and correlative study objectives such as biology and neuroimaging studies. .
- Prepare Semiannual Meeting Book Reports for PBTC membership and for PBTC DSMB; this includes but not limited to generating toxicity and adverse events tables, providing Biostatistician's and Executive Summaries, describing outstanding issues with the protocol, and addressing DSMB comments and questions from the previous meeting.
- My COG responsibilities include, but are not limited to, Phase-II/III clinical trial design, monitoring and analyzing data from these trials.

Collaborative Research within UTHSC:

- Provide statistical support for retrospective and prospective studies conducted by UTHSC researchers, and for grant proposals.
- Initiate grant proposals.
- Collaborate with UTHSC investigators and investigators from its affiliates such as St. Jude CHR, Le Bonhour, the MED, and VA.

Teaching:

I am currently teaching a graduate course titled 'Advanced Categorical Data Analysis'.

10/2002-08/2011: Lead senior Biostatistician at St. Jude Children's Research Hospital (SJCRH), Memphis, TN (www.stjude.org)

(Started working for St. Jude as a Statistical Analyst-I in 2002; I was promoted to Statistical Analyst-II, Biostatistician, Senior Biostatistician, and Lead Senior Biostatistician levels during my 9 years at St. Jude.)

- Responsible for developing statistical designs for Phase-I and Phase-II clinical trials within Pediatric Brain Tumor Consortium (PBTC) and within St. Jude. Responsibilities include but not limited to sample size and power calculations, writing analysis plans for primary and secondary objectives, constructing stopping rules and performing simulation studies to check the operating characteristics of various design parameters.
- For Phase-I trials, responsible for monitoring and issuing dose escalation/de-escalation decisions for various designs including CRM (Continual Reassessment Method) and Traditional Dose Escalation design, communicating dose-escalation decisions to study chairs; and performing simulation studies to inform the decision-making process in trial design and operation.
- For Phase-II trials, responsible for closely monitoring trials for early stopping rules and interim analyses as well as analyzing the data to address the primary objectives and correlative study objectives such as biology and neuroimaging studies. .
- Responsible for preparing Semiannual Meeting Book Reports for PBTC membership and for PBTC DSMB; this includes but not limited to generating toxicity and adverse events tables, providing Biostatistician's and Executive Summaries, describing outstanding issues with the protocol, and addressing DSMB comments and questions from the previous meeting.
- Working on various brain tumor projects with the clinical investigators of SJCRH; my responsibilities include but not limited to initial and continual discussions with investigators, study design, database construction, data analysis at any level, reporting the study results and

preparing the study manuscript to be submitted to peer-reviewed journals preparation and submission.

- Working on analyzing data from various COG studies and preparing for publication.
- Attending Brain Tumor Team meetings. Representing the Department of Biostatistics in Brain Tumor Meetings.

01/2009-05/2010: *Adjunct Faculty* at Department of Economics of Fogelman College of Business and Economics at University of Memphis, Memphis, TN
(<http://www.memphis.edu/economics/>)

- Developed and taught two SAS courses, namely, Programming Concepts/Techniques (ECON-4520) and Data to Information (ECON-4530)

12/2001-08/2002: *Biostatistician* at Data Coordinating Center, MSU, East Lansing, MI
(<http://www.rad.msu.edu/DNN/notdnn/research/DCC/pages/staff.htm>)

- As primary statistical contact for the client, developed and selected appropriate statistical techniques for the design and analysis of clinical research projects, reporting to the head of Biostatistics Group;
- Used SAS for data management and statistical data analysis;
- Successfully completed simultaneous large projects.

05/1999-08/2002: *Fixed-Term Faculty/Teaching Assistant* at *Michigan State University*, East Lansing, MI
(<http://stt.msu.edu/>)

- Developed and taught introductory statistics and probability
- Used MINITAB as a supplementary statistical package.

06/2000-09/2002: *Adjunct Faculty* at *Community College*, Lansing, MI (<http://www.lcc.edu/>)

- Developed and taught statistics and probability courses for business and non-business majors;
- Taught both Microsoft Excel and SPSS as statistics software packages.

03/1999-08/2002: *Scoring supervisor* at *National Computer Services (NCS Pearson)*, Lansing, MI (<http://www.ncspearson.com/>)

- Supervised teams of 9-12 scorers to keep the quality and accuracy of scoring open-ended test items and efficiency as high as possible, and trained new scorers on a particular test item.
- Trained scorers on new open-ended test items.

01/1999-05/1999: *Computer Service Assistant* at Michigan State University, East Lansing, MI

- Assisted computer users in Microcomputer Labs at MSU (www.msu.edu)

07/1993-07/1997: *Manager* at Knowledge Education and Social Research Foundation, Ankara, Turkey

- Kept track of financial documents of the foundation and its publishing company, and played a key role in the publishing activities of the foundation which included books, magazines, and brochures.

ASSOCIATION MEMBERSHIP

American Statistical Association (ASA), member since 1999

Western Tennessee Chapter of ASA (WTASA), Current President, and member since 2002

International Biometric Society (IBS)-Eastern North American Region (ENAR), member since 2004

Memphis SAS Users Group, member since 2002

Pleasant View School, Board of Directors, Current Treasurer and elected board member since 2010

PUBLICATIONS

Fouladi M, Stewart CF, Olson J, Wagner LM, Onar-Thomas A, **Kocak M**, Packer RJ, Goldman S, Gururangan S, Gajjar A, Demuth T, Kun LE, Boyett JM, Gilbertson RJ. “Phase I trial of MK-0752 in children with refractory CNS malignancies: a pediatric brain tumor consortium study” J Clin Oncol. **2011 Sep 10**;29(26):3529-34. Epub 2011 Aug 8.

Ellison DW, Dalton J, **Kocak M**, Nicholson SL, Fraga C, Neale G, Kenney AM, Brat DJ, Perry A, Yong WH, Taylor RE, Bailey S, Clifford SC, Gilbertson RJ. “Medulloblastoma: clinicopathological correlates of SHH, WNT, and non-SHH/WNT molecular subgroups.” Acta Neuropathol. **2011 Mar**;121(3):381-96. Epub 2011 Jan 26.

David W Ellison, **Mehmet Kocak**, Dominique Figarella-Branger, Felice Giangaspero, Catherine Godfraind, Torsten Pietsch, Didier Frappaz, Maura Massimino, Jacques Grill, James M Boyett and Richard G Grundy, “Histopathological grading of pediatric ependymoma: reproducibility and clinical relevance in European trial cohorts” Journal of Negative Results in BioMedicine **2011, 10**:7 doi:10.1186/1477-5751-10-7.

Wei Zhao, James M. Boyett, **Mehmet Kocak**, David Ellison, Yanan Wu; Accepted for publication in Theoretical Biology and Medical Modelling. “Maximum likelihood estimation of reviewers’ acumen in central review setting: categorical data”

Roger E. McLendon, MD; Adesina Adekunle, MD, PhD; Veena Rajaram, MD; **Mehmet Kocak**; Susan M. Blaney, MD. “Embryonal Central Nervous System Neoplasms Arising in Infants and Young Children: A Pediatric Brain Tumor Consortium Study” Arch Pathol Lab Med. **2011 Aug**;135(8):984-93.

Daphne A. Haas-Kogan, Anuradha Banerjee, Tina Young Poussaint, **Mehmet Kocak**, Michael D. Prados, J. Russell Geyer, Maryam Fouladi, Alberto Broniscer, Jane E. Minturn, Ian F. Pollack, Roger J. Packer, James M. Boyett, and Larry E. Kun. “Phase II trial of tipifarnib and radiation in children with newly diagnosed diffuse intrinsic pontine gliomas” Neuro Oncol. **2011 Mar**;13(3):298-306.

Ellison DW, Dalton J, **Kocak M**, Nicholson SL, Fraga C, Neale G, Kenney AM, Brat DJ, Perry A, Yong WH, Taylor RE, Bailey S, Clifford SC, Gilbertson RJ. “Medulloblastoma: clinicopathological correlates of SHH, WNT, and non-SHH/WNT molecular subgroups.” Acta Neuropathol. **2011 Mar**;121(3):381-96. Epub 2011 Jan 26.

Poussaint TY, **Kocak M**, Vajapeyam S, Packer RI, Robertson RL, Geyer R, Haas-Kogan D, Pollack IF, Vezina G, Zimmerman R, Cha S, Patay Z, Boyett JM, Kun LE. “MRI as a central component of clinical trials analysis in brainstem glioma: a report from the Pediatric Brain Tumor Consortium (PBTC).” Neuro Oncol. **2011 Feb 4**. [Epub ahead of print]

Mehmet Kocak, Gaolin Zheng, Giri Narasimhan, E. Olusegun George, Saumyadipta Pyne, “Differential meta-analysis for testing the relative importance of two competing null hypotheses over multiple experiments”, *Special Issue on Statistical Genomics in Journal of Indian Society of Agricultural Statistics*. **2010**; 64(1):1-10

Ian F. Pollack, Clinton F. Stewart, **Mehmet Kocak**, Tina Young Poussaint, Alberto Broniscer, Anu Banerjee, James G. Douglas, Larry E. Kun, James M. Boyett, J. Russell Geyer, “A Phase II Study of Gefitinib and Irradiation in Children with Newly Diagnosed Brain Stem Gliomas: A Report from the Pediatric Brain Tumor Consortium” Neuro Oncol. **2011 Mar**;13(3):290-7. Epub 2011 Feb 3.

PUBLICATIONS

Fouladi M, Stewart CF, Olson J, Wagner LM, Onar-Thomas A, **Kocak M**, Packer RJ, Goldman S, Gururangan S, Gajjar A, Demuth T, Kun LE, Boyett JM, Gilbertson RJ. “Phase I trial of MK-0752 in children with refractory CNS malignancies: a pediatric brain tumor consortium study” *J Clin Oncol*. **2011 Sep 10**;29(26):3529-34. Epub 2011 Aug 8.

Katherine A. Zukotynski, Frederic H. Fahey, **Mehmet Kocak**, Abass Alavi, Terence Z. Wong, S. Ted Treves, Barry L. Shulkin, Daphne A. Haas-Kogan, J. Russell Geyer, Sridhar Vajapeyam, James M. Boyett, Larry E. Kun, Tina Young Poussaint, “Evaluation of 18F-FDG PET and MRI Associations in Pediatric Diffuse Intrinsic Brainstem Glioma: A Report from the Pediatric Brain Tumor Consortium” *J Nucl Med*. **2011 Feb**;52(2):188-95. Epub 2011 Jan 13.

Löbel U, Sedlacik J, Reddick WE, **Kocak M**, Ji Q, Broniscer A, Hillenbrand CM, Patay Z. “Quantitative Diffusion-Weighted and Dynamic Susceptibility-Weighted Contrast-Enhanced Perfusion MR Imaging Analysis of T2 Hypointense Lesion Components in Pediatric Diffuse Intrinsic Pontine Glioma”, *AJNR American Journal of Neuroradiolog.*, **2010 Nov 18**.

Ellison DW, **Kocak M**, Dalton J, Megahed H, Lusher ME, Ryan SL, Zhao W, Nicholson SL, Taylor RE, Bailey S, Clifford SC., “Definition of Disease-Risk Stratification Groups in Childhood Medulloblastoma Using Combined Clinical, Pathologic, and Molecular Variables”, *Journal of Clinical Oncology*. **2010 Oct 4**.

Broniscer A, Baker JN, Tagen M, Onar-Thomas A, Gilbertson RJ, Davidoff AM, Panandiker AP, Leung W, Chin TK, Stewart CF, **Kocak M**, Rowland C, Merchant TE, Kaste SC, Gajjar A., “Phase I Study of Vandetanib During and After Radiotherapy in Children With Diffuse Intrinsic Pontine Glioma”, *Journal of Clinical Oncology*. **2010 Oct 4**.

Löbel U, Sedlacik J, Sabin ND, **Kocak M**, Broniscer A, Hillenbrand CM, Patay Z., “Three-dimensional susceptibility-weighted imaging and two-dimensional T2*-weighted gradient-echo imaging of intratumoral hemorrhages in pediatric diffuse intrinsic pontine glioma”, *Neuroradiology*. 2010 Dec;52(12):1167-77. Epub **2010 Sep 28**.

Geyer JR, Stewart CF, **Kocak M**, Broniscer A, Phillips P, Douglas JG, Blaney SM, Packer RJ, Gururangan S, Banerjee A, Kieran MW, Kun LE, Gilbertson RJ, Boyett JM., “A phase I and biology study of gefitinib and radiation in children with newly diagnosed brain stem gliomas or supratentorial malignant gliomas”, *European Journal of Cancer*. **2010 Dec**;46(18):3287-93.

Frederic H. Fahey, Paul E. Kinahan, Robert K. Doot, **Mehmet Kocak**, Harold Thurston, Tina Young Poussaint. “Variability in PET Quantitation within a Multicenter Consortium”, *Medical Physics*. **2010 Jul**;37(7):3660-6.

Sedlacik J, Löbel U, **Kocak M**, Loeffler RB, Reichenbach JR, Broniscer A, Patay Z, Hillenbrand CM., “Attenuation of Cerebral Venous Contrast in Susceptibility-Weighted Imaging of Spontaneously Breathing Pediatric Patients Sedated with Propofol”, *AJNR American Journal of Neuroradiology*. **2010 May**;31(5):901-6.

Onar A, **Kocak M**, Boyett JM., “Continual reassessment method vs. traditional empirically based design: modifications motivated by Phase I trials in pediatric oncology by the Pediatric Brain Tumor Consortium”, *Journal of Biopharmaceutical Statistics*. **2009**;19(3):437-55.

Miller NG, Reddick WE, **Kocak M**, Glass JO, Löbel U, Morris B, Gajjar A, Patay Z., “Cerebellocerebral diaschisis is the likely mechanism of postsurgical posterior fossa syndrome in pediatric patients with midline cerebellar tumors” *AJNR American Journal of Neuroradiology*. **2010 Feb**;31(2):288-94.

Broniscer A, Baker SJ, Stewart CF, Merchant TE, Laningham FH, Schaiquevich P, **Kocak M**, Morris EB, Endersby R, Ellison DW, Gajjar A., “Phase I and pharmacokinetic studies of erlotinib administered concurrently with radiotherapy for children, adolescents, and young adults with high-grade glioma”, *Clinical Cancer Research*. **2009 Jan 15**;15(2):701-7.

Joshi BH, Puri RA, Leland P, Varricchio F, Gupta G, **Kocak M**, Gilbertson RJ, Puri RK; US Pediatric Brain Tumor Consortium., “Identification of interleukin-13 receptor alpha2 chain overexpression in situ in high-grade diffusely infiltrative pediatric brainstem glioma”, *Neuro Oncology*. 2008 Jun;10(3):265-74. Epub **2008 Apr 22**.

Williams G, Fahey FH, Treves ST, **Kocak M**, Pollack IF, Boyett JM, Kun LE, Poussaint TY. “Exploratory Evaluation of Two-Dimensional and Three-Dimensional Methods of FDG PET Quantification in Pediatric Anaplastic Astrocytoma: A Report from the Pediatric Brain Tumor Consortium (PBTC)”, *European Journal of Nuclear Medicine and Molecular Imaging*. **2008**

PUBLICATIONS

Fouladi M, Stewart CF, Olson J, Wagner LM, Onar-Thomas A, **Kocak M**, Packer RJ, Goldman S, Gururangan S, Gajjar A, Demuth T, Kun LE, Boyett JM, Gilbertson RJ. "Phase I trial of MK-0752 in children with refractory CNS malignancies: a pediatric brain tumor consortium study" *J Clin Oncol*. **2011 Sep 10**;29(26):3529-34. Epub 2011 Aug 8.

Sep;35(9):1651-8

Haas-Kogan DA, Banerjee A, **Kocak M**, Prados MD, Geyer JR, Fouladi M, McKnight T, Poussaint TY, Broniscer A, Blaney SM, Boyett JM, Kun LE., "Phase I trial of tipifarnib in children with newly diagnosed intrinsic diffuse brainstem glioma", *Neuro Oncology*. **2008 Jun**;10(3):341-7

Loyer P, Trembley JH, Grenet JA, Busson A, Corlu A, Zhao W, **Kocak M**, Kidd VJ, Lahti JM. "Characterization of cyclin L1 and L2 interactions with CDK11 and splicing factors: Influence of cyclin L isoforms on splice site selection", *The Journal of Biological Chemistry*., **2008 Mar 21**;283(12):7721-32.

MacDonald TJ, Stewart CF, **Kocak M**, Goldman S, Ellenbogen RG, Phillips P, Lafond D, Poussaint TY, Kieran MW, Boyett JM, Kun LE., "Phase I clinical trial of cilengitide in children with refractory brain tumors: Pediatric Brain Tumor Consortium Study PBTC-012", *Journal of Clinical Oncology*. **2008 Feb 20**;26(6):919-24.

Gururangan S, Turner CD, Stewart CF, O'Shaughnessy M, **Kocak M**, Poussaint TY, Phillips PC, Goldman S, Packer R, Pollack IF, Blaney SM, Karsten V, Gerson SL, Boyett JM, Friedman HS, Kun LE., "Phase I Trial of VNP40101M (Cloretazine) in Children with Recurrent Brain Tumors: A Pediatric Brain Tumor Consortium Study", *Clinical Cancer Research*. **2008 Feb 15**;14(4):1124-30.

Sanders RP, **Kocak M**, Burger PC, Merchant TE, Gajjar A, Broniscer A. "High-grade astrocytoma in very young children", *Pediatric Blood & Cancer*. **2007 Dec**;49(7):888-93.

Broniscer A, Baker SJ, West AN, Fraser MM, Proko E, **Kocak M**, Dalton J, Zambetti GP, Ellison DW, Kun LE, Gajjar A, Gilbertson RJ, Fuller CE., "Clinical and molecular characteristics of malignant transformation of low-grade glioma in children", *Journal of Clinical Oncology*. **2007 Feb 20**;25(6):682-9.

Calabrese C, Poppleton H, **Kocak M**, Hogg TL, Fuller C, Hamner B, Oh EY, Gaber MW, Finklestein D, Allen M, Frank A, Bayazitov IT, Zakharenko SS, Gajjar A, Davidoff A, Gilbertson RJ., "A perivascular niche for brain tumor stem cells", *Cancer Cell*. **2007 Jan**;11(1):69-82.

Broniscer A, Laningham FH, **Kocak M**, Krasin MJ, Fouladi M, Merchant TE, Kun LE, Boyett JM, Gajjar A. "Intratumoral hemorrhage among children with newly diagnosed, diffuse brainstem glioma", *Cancer*. **2006 Mar 15**; 106(6):1364-71.

Howard V, Greene JM, Pahwa S, Winkelstein JA, Boyle JM, **Kocak M**, Conley ME. "The health status and quality of life of adults with X-linked agammaglobulinemia", *Clinical Immunology*. **2006 Feb-Mar**;118(2-3):201-8.

Broniscer A, Chintagumpala M, Fouladi M, Krasin MJ, **Kocak M**, Bowers DC, Iacono LC, Merchant TE, Stewart CF, Houghton PJ, Kun LE, Ledet D, Gajjar A., "Temozolomide after radiotherapy for newly diagnosed high-grade glioma and unfavorable low-grade glioma in children", *Journal of Neurooncology*. **2006 Feb**;76(3):313-9.

Fouladi M, Gilger E, **Kocak M**, Wallace D, Buchanan G, Reeves C, Robbins N, Merchant T, Kun LE, Khan R, Gajjar A, Mulhern R., "Intellectual and functional outcome of children 3 years old or younger who have CNS malignancies", *Journal of Clinical Oncology*. **2005 Oct 1**;23(28):7152-60.

Mulhern RK, Palmer SL, Merchant TE, Wallace D, **Kocak M**, Brouwers P, Krull K, Chintagumpala M, Stargatt R, Ashley DM, Tyc VL, Kun L, Boyett J, Gajjar A., "Neurocognitive consequences of risk-adapted therapy for childhood medulloblastoma", *Journal of Clinical Oncology*. **2005 Aug 20**; 23(24):5511-9.

Fouladi M, Chintagumpala M, Laningham FH, Ashley D, Kellie SJ, Langston JW, McCluggage CW, Woo S, **Kocak M**, Krull K, Kun LE, Mulhern RK, Gajjar A., "White matter lesions detected by magnetic resonance imaging after radiotherapy and high-dose chemotherapy in children with medulloblastoma or primitive neuroectodermal tumor", *Journal of Clinical Oncology*. **2004**

PUBLICATIONS

Fouladi M, Stewart CF, Olson J, Wagner LM, Onar-Thomas A, **Kocak M**, Packer RJ, Goldman S, Gururangan S, Gajjar A, Demuth T, Kun LE, Boyett JM, Gilbertson RJ. “Phase I trial of MK-0752 in children with refractory CNS malignancies: a pediatric brain tumor consortium study” J Clin Oncol. **2011 Sep 10**;29(26):3529-34. Epub 2011 Aug 8.

Nov 15; 22(22):4551-60.

A. Gajjar, R. Hernan, **M. Kocak**, C. Fuller, Y. Lee, P. J. McKinnon, D. Wallace, C. Lau, M. Chintagumpala, D. M. Ashley, S. J. Kellie, L. Kun, and R. J. Gilbertson., “Clinical, histopathologic, and molecular markers of prognosis: toward a new disease risk stratification system for medulloblastoma” , Journal of Clinical Oncology. **2004 Mar 15**; 22(6):984-93.

Gilbertson RJ, Hill DA, Hernan R, **Kocak M**, Geyer R, Olson J, Gajjar A, Rush L, Hamilton RL, Finkelstein SD, Pollack IF., “ERBB1 is amplified and overexpressed in high-grade diffusely infiltrative pediatric brain stem gliomas”, Clinical Cancer Research. **2003 Sep 1**;9(10 Pt 1):3620-4.

MANUSCRIPTS UNDER REVIEW

Mehmet Kocak, Arzu Onar-Thomas, Seok Wong, “A Note on the Use of Power Formulae for Cox Proportional Hazards Regression Models in Small Sample Cases”, In Review with *The American Statistician*.

MANUSCRIPTS IN PREPARATION

Mehmet Kocak, Ebenezer O. George, Saumyadipta Pyne. “A Bayesian Approach for Testing for Periodicity in Time-Course Cell-Cycle Gene Expression Data”

Mehmet Kocak, Stanley Pounds, Ebenezer O. George “A Novel Approach for Meta-Analysis of P-values”

AD-HOC PAPER REVIEWING ACTIVITIES

- Journal of Applied Statistics
- Communications in Statistics - Simulation and Computation

PRESENTATIONS

DATE	TOPIC	PLACE
11/18/2010	Introduction to Bayesian Thinking-2 and SAS MCMC Procedure	St. Jude CRH M.S. Level Statisticians Meeting
10/21/2010	Introduction to Bayesian Thinking-1	St. Jude CRH M.S. Level Statisticians Meeting
03/22/2010	A Novel Approach in Testing for Periodicity in Cell-Cycle Gene Expression Profiles	ENAR-2010
10/16/2009, 10/21/2009	SAS/SQL Language: A short course with two three-hour sessions	St. Jude CRH
5/11/2009	A simulation study: Number of events per covariate (EPC) in Cox Proportional Hazards models	EMR-IBS Conference in Istanbul, Turkey

PRESENTATIONS

DATE	TOPIC	PLACE
4/20/2009, 4/27/2009	SAS/Macro Language: A two-day short course	St. Jude CRH
5/17/2008	A simulation study: Number of events per covariate (EPC) in Cox Proportional Hazards models	IMST 2008 Conference at University of Memphis
3/18/2008	A simulation study: Number of events per covariate (EPC) in Cox Proportional Hazards models	IBS-ENAR 2008 Meeting in Arlington, VA
3/13/2008	A simulation study: Number of events per covariate (EPC) in Cox Proportional Hazards models	St. Jude CRH
02/13/2008	Phase II Trial of Irinotecan in Children With Refractory Solid Tumors: A Children's Oncology Group Study	St. Jude CRH Biostatistic-Oncology Journal Club
01/24/2008	Getting the help of SAS in Clinical Trial setting: Monitoring and Simulations	Memphis Area SAS Users Group Meeting
10/03/2006	Drug Development from a Statistician's perspective	Hacettepe University, Ankara, Turkey
09/19/2006	Statistical Analysis for Clinical Researchers: A two-day short course	Department of Genetics in Istanbul University, Turkey
10/22-23/2004	Statistical Analysis for Clinical Researchers: A two-day short course	Department of Genetics in Istanbul University, Turkey
11/9/2005	Length of Stay and Mortality Associated With Febrile Neutropenia Among Children With Cancer	St. Jude CRH Biostat.-HemoOnc. Journal Club
6/9/2005	What SAS/Access Offers To Us	St. Jude CRH
10/22-23/2004	Statistical Analysis for Clinical Researchers: A two-day short course	Department of Genetics in Istanbul University, Turkey
12/7/2004	The role of a biostatistician in Medical Research: Expectations and Practical Advices	Hacettepe University, Ankara, Turkey
11/18/2004	The role of a biostatistician in Medical Research: Expectations and Practical Advices	Middle Eastern Technical University, Ankara, Turkey
10/20/2004, 10/24/2004	SAS/Macro Language: A two-day short course	St. Jude CRH
8/12/2004	Designing Stopping Rules For Two Competing Events Concurrently in a Phase-II Clinical Trial	St. Jude CRH
4/25/2004	Introduction to CRM	PBTC Spring 2004 Meeting in Chicago
8/21/2003	Gene-Chip –Analysis: A short demonstration of DChip software	St. Jude CRH
08/18-20-22/ 2003	SAS/SQL Language: A short course with three three-hour sessions	St. Jude CRH
7/9/2003	Impact of Radiotherapy For High-Risk Neuroblastoma: A Children's Cancer Group Study	St. Jude CRH Biostat.-HemoOnc. Journal Club
2/13/2003	Ordinal Categorical Data Analysis	St. Jude CRH
2/6/2003	Confounding, Simpson's Paradox, and Cornfield's Conditions	St. Jude CRH
12/19/2002	Recurrent Events Data Analysis	St. Jude CRH

ONGOING RESEARC SUPPORT

5 U01CA081457-13 Kocak (PI) 09/15/2011-03/31/2012
NCI

The Pediatric Brain Tumor Consortium

To continue evaluating novel therapeutic approaches based upon research opportunities developed within the member institutions, the NCI, other collaborating academic centers and the pharmaceutical/biotechnology industry.

5 U10CA98543-09 Kocak (PI) 11/01/2011-02/29/2012

Children's Oncology Group

To provide statistical support for clinical trials conducted by COG investigators, analyze and report the data from these clinical trials, assist with publication of such results.

Kocak (Biostatistician) 01/01/2012-Present
Conditions Affecting Neurocognitive Development and Learning in Early Childhood (CANDLE) .

OPEN PBTC PROTOCOLS

Title: *PBTC-026 - A Feasibility Study of SAHA combined with Isotretinoin and Chemotherapy in Infants with Embryonal Tumors of the Central Nervous System*

Role: Biostatistician (Biostatistics)

OPEN COG PROTOCOLS

Title: *ACNS-1123 - Phase 2 Trial of Response-Based Radiation Therapy for Patients with Localized Central Nervous System Germ Cell Tumors (CNS GCT)* Role: Biostatistician (Biostatistics)

CLOSED ST. JUDE PROTOCOLS

Title: *PETPET - METHIONINE PET/CT STUDIES IN PATIENTS WITH CANCER*

Role: Biostatistician (Biostatistics)

Title: *SJHG07 - Phase I Clinical Trial Of Zd6474 (Zactima) Administered Concurrently With Local Radiation Therapy In The Treatment Of Pediatric Patients With Newly Diagnosed Diffuse Brainstem Glioma*

Role: Biostatistician (Biostatistics)

Title: *SJBG07 - Phase I Clinical Trial Of Zd6474 (Zactima) Administered Concurrently With Local Radiation Therapy In The Treatment Of Pediatric Patients With Newly Diagnosed Diffuse Brainstem Glioma*

Role: Biostatistician (Biostatistics)

Title: *SJHG04 - A Phase I/II Trial of a New Tyrosine Kinase Inhibitor (Tarceva; Erlotinib Hydrochloride; OSI-774) during and after Radiotherapy in the Treatment of Patients with Newly Diagnosed High-Grade Glioma and Unfavorable Low-Grade Glioma*
Role: Biostatistician (Biostatistics)

CLOSED PBTC PROTOCOLS:

Title: *PBTC-027 - A Phase I Study of ABT-888, an Oral Inhibitor of Poly(ADP-ribose) Polymerase and Temozolomide in Children with Recurrent/Refractory CNS Tumors*
Role: Biostatistician (Biostatistics)

Title: *PBTC-024 - A Phase I Clinical Trial of AZD2171 in Children with Recurrent or Progressive Central Nervous System (CNS) Tumors*
Role: Biostatistician (Biostatistics)

Title: *PBTC-023 - Phase I and Pharmacokinetic Study of Enzastaurin (LY317615) in Children and Adolescents with Refractory Primary CNS Tumors*
Role: Biostatistician (Biostatistics)

Title: *PBTC-021 - A Phase I Trial of Capecitabine Rapidly Disintegrating Tablets and Concomitant Radiation Therapy in Children with Newly Diagnosed Brainstem Gliomas and High Grade Gliomas*
Role: Biostatistician (Biostatistics)

Title: *PBTC-017 - Phase I Study of CLORETAZINE™ (VNP4010M) in Children with Recurrent, Progressive or Refractory Primary Brain Tumors*
Role: Biostatistician (Biostatistics)

Title: *PBTC-014 - Phase I/II Trial of Zarnestra and XRT in Pediatric Patients with Newly Diagnosed Non-Disseminated Intrinsic Diffuse Brainstem Gliomas*
Role: Biostatistician (Biostatistics)

Title: *PBTC-012 - Phase I Study of Cilengitide (EMD 121974) in Children with Refractory Brain Tumors*
Role: Biostatistician (Biostatistics)

Title: *PBTC-007 - A Phase I/II Trial of ZD1839 (Iressa™) and Radiation in Pediatric Patients Newly Diagnosed with Brain Stem Tumors or Incompletely Resected Supratentorial Malignant Gliomas with Phase II limited to Brain Stem Tumors*
Role: Biostatistician (Biostatistics)