

CURRICULUM VITAE

Personal data:

Name: Jing Qin

Title: Mathematical Statistician, Biostatistics Research Branch, National Institute of Allergy and Infectious Diseases (NIAID).

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Education:

Ph.D in Statistics, Nov, 1992. Univ. of Waterloo, Canada.

Sep. 1989 - Nov. 1992, Statistics Ph.D. Student, University of Waterloo.

Sep. 1988 - June 1989, Statistics major, University of California at Santa Barbara.

Sep. 1984 - July 1986: Statistics major, East China Normal Univ. Sep., 1987. M. S. degree.

Sep., 1978 - July, 1981: Mathematics major, Three Gorges College, P. R. China.

Employment:

Mathematical Statistician at National Institute of Allergy and Infectious Diseases (NIAID), from June, 2004 to now.

Assitant Attending Biostatistician, Memorial Sloan-Kettering Cancer Center. Sep., 1999-June, 2004.

University of Maryland at College Park, Assistant Professor, August 17, 1994-August, 1999.

Adjunct assistant professor, Biostatistics department, Johns Hopkins University. Sept. 1997- May, 1999. Teaching Ph.D level probability course and conducting research in AIDS studies, case-control studies, truncation data problem, nonignorable missing data problems and generalized linear models.

Visiting Professor in AT&T Newman research laboratory, from June to August, 1998. Conducting time series analysis on channel fading.

Visiting NHLBI, from June to August, 1996.

Postdoctoral at Stanford University from Sep. 1, 1993-Aug. 15, 1994.

Postdoctoral at University of Waterloo, from Jan. 1, 1993-June 30, 1993.

Teaching assistant at the University of Waterloo, 1989-1992.

Awards:

Elected as an American Statistical Society Fellow, 2006.

Won the Pierre Robillard award in 1993 June. (The best thesis defended in Canada in 1992)

Awarded Natural Sciences and Engineering Research Council of Canada Postdoctoral Fellowship, 1993-1995.

Professional experience:

Associate Editor for *Statistica Sinica* starting from 2006, Sep.

Review National Science Foundation (NSF) proposals (Statistics and Economics), National Security Agency(NSA) proposals, Natural Sciences and Engineering Research Council of Canada Research Proposals, Research Grants Council of Hong Kong, United States and Israel Binational Science Foundation and Le Studium Project (France).

Referee for: *The Annals of Statistics*; *Annals of Applied Statistics*; *Bernoulli*; *Biometrika*; *Biometrics*; *Biostatistics*; *Biometrical Journal*; *Bioinformatics*; *Journal of Viology*; *Journal of the American Statistical Association*; *Journal of the Royal Statistical Society, Series B and C*; *The Scandinavian Journal of Statistics*; *Statistica Sinica*; *Ann. Inst. Statist. Math.*; *Statistics in Medicine*, *Science in China, Series A: Mathematics*; *Statistics and Probability Letters*, *Statistica Neerlandica*, *Australian Journal of Statistics*, *Communications in Statistics (Simulations and computation)*, *The Canadian Journal of Statistics*, *Computational Statistics and Data Analysis*; *Journal of Multivariate Analysis*, *Australian and New Zealand Journal of Statistics*, *Journal of Statistical Planning and Inference*,

Nonparametric Statistics, Forest Science, Life time data analysis, Journal of Clinical Oncology, Journal of Econometrics, Health Services and Outcomes Research Methodology, Journal of Computational and Graphical Statistics .

Two years statistical seminar organizer in University of Maryland (Sep. 1994-May, 1996).

Invited talks:

Some aspects of semi-empirical likelihood. 225th IMS Meeting, Oct., 1992. University Park, Pennsylvania.

Semiparametric likelihood ratio confidence intervals for truncated data. Dept. of Biostatistics, Johns Hopkins University, Nov., 1994.

Empirical likelihood method for goodness of fit test and estimation in upgraded mixture models. Fifth Eugene Lukacs Symposium, Statistical Inference in semi-parametric models, Bowling Green, March, 1995.

Empirical likelihood in a semi-parametric model. York University, May 1995.

Semi-empirical likelihood ratio confidence intervals for mixture proportion. IMS Annual Meeting, Chicago, Aug., 1996.

A goodness of fit test for logistic regression models based on case-control data. Dept. of Statistics, Rutgers University, Nov., 1996.

Two sample densities ratio models and their applications in binary data. Iowa State University, March, 1997.

Empirical likelihood. Dept. of Biostatistics Johns Hopkins Univ., May, 1998.

Binary data, case-control study and nonignorable missing data problem. Dept. of Statistics, Carnegie Mellon University, April 7, 1999.

Inferences for nonignorable nonresponse survey data when the underlying model might be misspecified. ICSA 2000 applied statistics symposium. June 1-3, 2000, New Jersey.

Semiparametric likelihood based inference for non-ignorable nonresponse survey data. AMS-IMS-SIAM joint summer research conferences. Bayes frequentist and likelihood inference: A synthesis. July 9-13, 2000.

Information recovery in a study with surrogate endpoints. ICSA Statistical meeting, Hong Kong, 2001, August 16-19.

A mixture model approach for finding informative genes in microarray studies. The 30th Annual Meeting of the Statistical Society of Canada (SSC). Hamilton, Ontario, May 26-29, 2002.

Using a mixture model for finding informative genes in microarray studies. IMS/WNAR, Los Angeles, June 23-26, 2002.

Empirical likelihood, False discovery rates and microarray studies. IMS Annual Meeting, July 28-31, 2002, Banff, Canada.

The use of uncategorised data to improve estimation efficiency in mixture models via empirical likelihood. Joint statistical meeting, New York, August, 2002.

Using a mixture model for finding informative genes in microarray studies. Dept. of Statistics, University of Missouri at Columbia, Oct, 18, 2002.

Using a mixture model for finding informative genes in microarray studies. Dept. of Epidemiology and Biostatistics, University of Maryland at Baltimore. Nov 6, 2002.

Using a mixture model for finding informative genes in microarray studies. Dept. of Biostatistics, M. D. Anderson Cancer Center. Jan 24, 2003.

A nonparametric approach for estimating proportions of under and over expressed genes in microarray studies. Dept. of genetical epidemiology, NCI. April 8, 2003.

A semiparametric two-component mixture model and its applications in estimating malaria attributable fractions. Dept. of Statistics, Columbia University. Oct. 6, 2003.

A semiparametric two-component "compound" mixture model and its applications in estimating malaria attributable fractions. Dept. of Biostatistics, Yale University. Nov. 4, 2003.

Empirical likelihood based inference in semiparametric finite mixture models. 36th symposium on the interface: computing science and statistics. Baltimore, May 26-29, 2004.

Outcome dependent sampling, biased sampling and truncated sampling: Connections and applications in epidemiologic studies. Joint Statistical Annual Meeting in Toronto, August, 2004.

A semiparametric two-component "compound" mixture model and its applications in estimating malaria attributable fractions. Dept. of Biostatistics, University of Wisconsin. April 1, 2005.

Semiparametric inference in conditional independent latent class models. Enar, Tempa, March, 2006.

Empirical likelihood based method for estimating receiver operating characteristic curves in the presence of verification bias. Joint meeting, Seattle, August, 2006.

Empirical likelihood. Invited talk at University of Waterloo for celebrating 40th Anniversary, Waterloo, May 30 to June 1, 2007.

Empirical likelihood based calibration and imputation methods for missing data problems. Nov., 2008, Georgetown University.

Teaching and advising

Courses taught

Introduction of probability and statistics, biostatistics, regression analysis, survey sampling, statistical inferences, probability and measure theory.

Master degree student Rui Cai. Title of thesis "Estimation and testing in two sample density ratio models", May, 1997.

Master degree student Amy Peng. Title of thesis "An application of the two-sample density ratio model", May, 1997.

Service to the Math. Department in University of Maryland

One year policy committee. (Sep. 1996, May 1997).

Create and grade Ph.D comprehensive examinations.

One year graduate admission committee.

Working experiences

Conducted statistical analysis for cancer clinical data and infectious diseases related data, investigated various statistical methods for clinical trial designs.

Past Research Support

1 P30 CA08748-36 (P.I. Varmus; Biostat. Core P.I. Begg) 1/1/99 - 12/31/02 NIH/NCI Cancer Center Support Grant The Biostatistics Facility provides statistical support for long-term collaborative projects with Center Clinical and Laboratory investigators and provides short-term consulting assistance.

VO1 CA83180-2 (Berwick) 9/30/99 - 8/31/04 NIH/NCI A Model for Genetic Susceptibility: Melanoma The goal of this large international population-based case-control study is to evaluate the public health impact of genetic mutations and polymorphisms and their interaction with sun exposure, via estimation of relevant population parameters in a novel study design.

1 R21 FDA001684-2 (Trippett) 9/30/99 - 9/29/02 NIH/NCI Rebeccamycin Analog: A Phase II Study in Neuroblastoma

5 R01 CA34775-16 (Chaganti) 12/1/00 - 11/30/05 NIH/NCI Mapping Chromosomes and Genes in Relation to Leukemia the goal of the project is to identify all the break-point clusters and the relevant deregulated genes at the chromosomal site, 1q21-22 and investigate their biological and clinical significance.

1 R21 CA89936-1 (Cheung) 9/1/00-8/31/02 NIH/ NCI Novel Tumor Antigen for Antibody Targeting

1 R01 NS39375 (Kalderon) 6/1/01-7/31/05 NIH/NINDS Pre-Clinical Studies of Spinal Cord Injury Repair

2 PO1 CA08526-38 (PI Bertino; Biostat. Core PI Begg) 12/1/00 - 6/30/05 NIH/NCI Cancer Chemotherapy Program Project The objectives of this research program are 1) Phase I studies of new drugs and treatments, 2) Evaluation of new therapies to treat hematologic malignancies, and 3) Evaluation of new therapies to treat solid tumors. The objectives of the Biostatistics Core are to collaborate with investigators in the design, data management, computer processing and analysis of clinical and related basic science research.

Research interests:

Empirical likelihood, case-control study, econometrics, survival analysis, missing data, causal inference, mixture models, generalized linear models, survey sampling and microarray data analysis.

Statistical Methodology Publications:

- Hu, Z., Qin, J. and Follmann, D. (2008). Semiparametric two-sample change-point model with application to HIV studies. *JRSSC*, **57**, 589-607.
- Huang, C. Y., Qin, J. and Follmann, D. (2008). Empirical Likelihood-Based Estimation of Treatment Effect in a Pretest-Posttest Study. *JASA*, **103**, 1270-1280.
- Hu, Zonghui, Follmann, Dean, Qin, Jing, Dewar, Robin, Sangweni, Phumelele. (2008). Nonparametric likelihood test for detecting discordance between two measurements and its application to viral load determination with detection limit. *Statistics in Medicine*, **27**, 4489-4501.
- Qin, J., Shao, J. and Zhang, B. (2008) Efficient and Doubly Robust Imputation for Covariate-Dependent Missing Responses. *JASA*, **103**, 797-810.
- Fokianos, K. and Qin, J. (2008). A Note on Monte Carlo Maximization by the Density Ratio Model. *Journal of Statistical Theory and Practice*, **2**, Sept.
- Chen, S. X. Leung, D. and Qin, J. (2008). Improving semiparametric estimation by using surrogate data. *JRSSB*, **70**, 803-823.
- Qin, J. and Zhang, B. (2008). Empirical likelihood-based difference-in-differences estimators. *Journal of Royal Statistical Society, Series, B*, **70**, 329-349.
- Huang, C. Y., Qin, J. and Zou, F. (2007). Empirical Likelihood-based Inference in a Genetic Mixture Model. *Canadian Journal of Statistics*, **35**, 563-574.
- Heller, G. and Qin, J. (2007) Inference on the Limiting False Discovery Rate and the P-value Threshold Parameter Assuming Weak Dependence between Gene Expression Levels within Subject. *Statistical Applications in Genetics and Molecular Biology*, **6**, Issue 1, article 14.
- Shen, Y., Qin, J. and Costantino, J. P. (2007). Inference of Tamoxifen's effects on prevention of breast cancer from a randomized controlled trial. *Journal of the American Statistical Association*, **102**, 1235-1244.
- Qin, J. and Zhang, B. (2007). Empirical likelihood-based inference in missing response problems and its application in observational studies. *JRSSB*, **69**, 101-122.

- Chen, S. X. and Qin, J. (2006). An empirical likelihood method in mixture models with incomplete classifications. *Statistica Sinica*, **16**, 1101-1116.
- Leung, D. and Qin, J. (2006). Analyzing survey data with incomplete responses using a method based on empirical likelihood. *Journal of Royal Statistical Society, Series, C*, **55**, 379-396.
- Li, G. and Qin, J. (2006). Analysis of two-sample truncated data using generalized logistic model. *Journal of Multivariate Analysis*, **97**, 675-697.
- Leung, D. and Qin, J. (2006). Semi-parametric inference in a bivariate (multivariate) mixture model. *Statistica Sinica*, **16**, 153-164.
- Qin, J. and Zhang, B. (2005). Density estimation under a two-sample semiparametric model. *Journal of Nonparametric Statistics*, **6**, 665-683.
- Qin, J. and Leung, D. (2005). A semiparametric two-component "compound" mixture model and its application to estimating malaria attributable fractions. *Biometrics*, **61**, 456-464.
- Qin, J. and Zhang, B. (2005). Marginal likelihood, conditional likelihood and empirical likelihood: connections and applications. *Biometrika*, **92**, 251-270.
- Chen, S. X., Leung, D. and Qin, J. (2003). Information recovery in a study with surrogate endpoints. *Journal of the American Statistical Association*, **98**, 1052-1062.
- Chen, S. X. and Qin, J. (2003). Empirical likelihood based confidence intervals for data with possible zero observations. *Statistics and Probability Letters*, **vol 65**, 29-37.
- Qin, J. and Fokianos, K. (2003). Discussion of the paper "A theory of statistical models for Monte Carlo integration" by A. Kong, P. McCullagh, X-L, Meng, D. Nicolae, Z. Tan. *J. R. Statist. Soc. B*, **65**, 611.
- Qin, J. and Zhang, B. (2003). Using logistic regression procedures for estimating receiver operating characteristic curves. *Biometrika*, **90**, 585-596.
- Qin, J., Berwick, M., Ashbolt, R. and Dwyer, T. (2002). Quantifying the change of melanoma incidence by Breslow thickness. *Biometrics*, **58**, 665-670.
- Zhou, H., Weaver, M., Qin, J., Longnecker, M. and Wang, M. C. (2002). A semiparametric empirical likelihood method for data from an outcome dependent sampling scheme with a continuous outcome. *Biometrics*, **58**, 413-421.

- Qin, J., Leung, D. and Shao, J. (2002). Estimation with survey data under non-ignorable nonresponse or informative sampling. *Journal of the American Statistical Association*, **97**, 193-200.
- Heller, G. and Qin, J. (2001). Pairwise rank based likelihood for estimation and inference on the mixture proportion. *Biometrics*, **57**, 813-817.
- Wang, M. C., Qin, J. and Chiang, C. T. (2001). Analyzing recurrent event data with informative censoring. *Journal of the American Statistical Association*, **96**, 1057-1065.
- Qin, J. and Wang, M. C. (2001). Semiparametric analysis of truncated data. *Lifetime data analysis*, **7**, 225-242.
- Fokianos, K., Kedem, B., Qin, J. and Short, D. A. (2001). A semiparametric approach to the one-way layout. *Technometrics*, **43**, 56-65.
- Qin, J. (2000). Combining parametric and empirical likelihoods. *Biometrika*, **87**, 484-490.
- Liang, K. Y. and Qin, J. (2000). Regression analysis under non-standard situations: A pairwise pseudo-likelihood approach. *J. R. Statist. Soc. B*, **62**, 773-786.
- Qin, J. (1999). Empirical likelihood ratio based confidence intervals for mixture proportions. *Ann. of Statist.*, **27**, 1368-1384.
- Fokianos, K., Peng, A. and Qin, J. (1999). A generalized moments specification test of the link function in case-control studies. *The Canadian Journal of Statistics*, **27**, 735-750.
- Qin, J. (1998). Semiparametric likelihood based method for goodness of fit test and estimation in upgraded mixture models. *The Scandinavian Journal of Statistics*, **25**, 681-691.
- Qin, J. (1998). Inferences for case-control and semiparametric two-sample density ratio models. *Biometrika*, **85**, 619-630.
- Fokianos, K., Kedem, B., Qin, J., Haferman, J. L. and Short, D. A. (1998). On Combining instruments. *Journal of Applied Meteorology*, **37**, 220-226.
- Li, G. and Qin, J. (1998). Semiparametric likelihood based inferences for biased and truncated data when total sample size is known. *J. R. Statist. Soc. B*, **60**, 243-254.

Qin, J. and Sun, J. (1997) A modified likelihood ratio test statistic in a semi-parametric change point model in the presence of randomly censored data. *The Canadian Journal of Statistics*, **25** 325-336.

Qin, J. and Zhang, B. (1997). A goodness of fit test for logistic regression models based on case-control data. *Biometrika*, **84**, 609-618.

Li, G., Qin, J. and Tiwari, R. C. (1997) Semiparametric likelihood ratio based inferences for truncated data. *Journal of the American Statistical Association*, **92**, 236-245.

Qin, J. and Wong, A. (1996) Empirical likelihood in a semi-parametric model. *The Scandinavian Journal of Statistics* **23** 209-219.

Qin, J. and Lawless, J. F. (1995) Estimating equations, empirical likelihood and constraints on parameters. *The Canadian Journal of Statistics*, **23** 145-159.

Qin, J. and Lawless, J. F. (1994) Empirical likelihood and general estimating equations. *Ann. of Statist.* **22**, 300-325. **This paper has been cited more than 250 times.**

Qin, J. (1994). Semi-empirical likelihood ratio confidence intervals for the difference of two sample means. *Ann. Inst. Statist. Math.* **46**, 117-126.

Qin, J. (1993) Empirical likelihood in biased sample problems. *Ann. of Statist.*, **21**, 1182-1196.

Chen, J. and Qin, J. (1993). Empirical likelihood method in finite population and the effective usage of auxiliary information. *Biometrika*, **80**, 107-116.

Chen, J. and Qin, J. (1991). Some results on generalized regression quantiles. *Communication in Statistics, Theory and Methods*. **20** 911-928.

Papers in proceedings of conference or chapters in books

Jammalamadaka, S. R. and Qin, J. (1995). Some results on the empirical spacings process and its bootstrapped version. *Multivat. Statist.*, Edited by E.-M. Tiit et al. 1995 VSP/TEV, page 17-33.

Health Science Application Publications:

Shen, Y., Costantino, J. P. and Qin, J. (2008). Tamoxifen's effects on time to first diagnosis of ER-negative breast cancer. *J. Natl Cancer Inst.* , **100**, 1448-1453.

Letha M. Healey, Barbara K. Hahn, Catherine A. Rehm, Joseph Adelsberger, Jing Qin, Dean A. Follmann, Irimi Sereti and Richard T. Davey. (2008). Effect of Continuous Versus Pericycle Antiretroviral Therapy on IL-2 Responsiveness To appear in *Journal of Interferon and Cytokine Research*.

Yo Hoshino, Jing Qin, Dean Follmann, Jeffrey I. Cohen, and Stephen E. Straus (2008). The Number of Herpes Simplex Virus-Infected Neurons and the Number of Viral Genome Copies per Neuron Correlate with the Latent Viral Load in Ganglia. *Virology*, **372**, 56-63.

Jinru Shia, Laura H. Tang, Martin R. Weiser, Baruch Brenner, N. Vokan Adsay, Edward B. Stelow, Leonard B. Saltz, Jing Qin, Ron Landmann, Gregory D. Leonard, Deepti Dhall, Larissa Temple, Jose G. Guillem, Philip B. Paty, David Kelsen, W. Douglas Wong, David S. Klimstra.

Is non-small cell type high grade neuroendocrine carcinoma of the tubular gastrointestinal tract a distinct disease entity? To appear in *Am J Surg Pathol* .

Gozalo, A. S., Lucas, C., Qin, J. and Hall, T. (2007). Antibodies to the MSP-1 19kD fragment and anemia during Plasmodium falciparum infection in Aotus Monkeys. *Comparative Medicine*, **57**, 396-401.

Berrin Ergun-Longmire, Ann C Mertens, Pauline Mitby, Jing Qin, Glenn Heller, Weiji Shi, Yutaka Yasui, Leslie L Robison and Charles A Sklar. (2006). Growth Hormone Treatment and Risk of Second Neoplasms in the Childhood Cancer Survivor. *Journal of Clinical Endocrinol Metablim.* **91(9)**, 3494-3498.

Shia, Jinru; Chen, Wen; Tang, Laura H.;; Carlson, Diane; Qin, Jing; Guillem, Jose G.;; Nobrega, Jennifer; Wong, W. Douglas; Klimstra, David. (2006). Extra-nodal follicular dendritic cell sarcoma: clinical, pathologic and histogenetic characteristics of an under-recognized disease entity. To appear in *Virchows Arch*.

Bhargava, R. Chen, B. David S. Klimstra, Leonard B. Saltz, Cyrus Hedvat, Laura, Tang, William Gerald, Julie Teruya-Feldstein, Philip B. Paty, Jing Qin, Jinru Shia. A Comparison of Two Antibodies for Immunohistochemical Evaluation of

EGFR Expression in Colorectal Carcinomas, Adenomas, and Normal Mucosa. (2005). To appear in *Cancer*.

Jinru Shia . Jing Qin . Robert A. Erlandson . Roy King . Peter Illei . Jennifer Nobrega . Davis Yao . David S. Klimstra. (2005). Malignant mesothelioma with a pronounced myxoid stroma: a clinical and pathological evaluation of 19 cases. To appear in *Virchows Arch*.

Jinru Shia, M.D., David S. Klimstra, M.D., Allan R. Li, M.D., Jing Qin, Ph.D., Leonard Saltz³, M.D., Julie Teruya-Feldstein¹, M.D., Muzaffar Akram¹, M.D., Ki Young Chung³, M.D., Davis Yao¹, M.D., Philip B. Paty⁴, M.D., William Gerald¹, M.D., Beiyun Chen, M.D. (2005). Epidermal growth factor receptor expression and gene amplification in colorectal carcinoma. An immunohistochemical and chromogenic in situ hybridization study. *Modern Pathology* , 1-7.

Seema Gupta, Ping Zhou, Hani Hassoun, Tarun Kewalramani, Lilian Reich, Suzanne Costello, Lisa Drake, Virginia Klimek, Madhav Dhodapkar, Julie Teruya-Feldstein, Cyrus Hedvat, Nagesh Kalakonda, Martin Fleisher, Daniel Filippa, Jing Qin, Stephen D Nimer, Raymond L Comenzo. (2005). Hematopoietic stem cell mobilization with intravenous melphalan and GCSF in patients with chemore-sponsive multiple myeloma: Report of a phase II trial. *Bone Marrow Transplan-tation*, **35(5)**, 441-447.

Straus, D. J., Portlock, C., Qin, J., Myers, J., Zelenetz, A. D., Moskowitz, C., Noy, A. Goy, A. and Yahalom, J. (2004). Results of a prospective randomized clinical trial of doxorubicin, bleomycin, vinblastine, and dacarbazine (ABVD) followed by radiation therapy(RT) versus ABVD alone for stagee I, II and IIA nonbulky Hodgkin disease. *Blood*, **104**, 3483-3489.

Huang HY, Lal P, Qin J, Brennan MF, Antonescu CR. (2004). Low-grade myxofi-brosarcoma: a clinicopathologic analysis of 49 cases treated at a single institution with simultaneous assessment of the efficacy of 3-tier and 4-tier grading systems. *Hum Pathol*. 2004 May;35(5):612-21.

Carrie M Brownstein, Ann C Mertens, Pauline Mitby, Marilyn Stovall , Jing Qin , Glenn Heller , Leslie L Robison and Charles A Sklar. (2004). Factors that Affect Final Height and Change in Height Standard Deviation Scores in Survivors of Childhood Cancer Treated with Growth Hormone: A Report from the Childhood

Cancer Survivor Study. *The Journal of Clinical Endocrinology & Metabolism*, **89(9)**, 4422-4427.

Carol S. Portlock, Jing Qin, Patty Schaindlin, Nancy Roistacher, Jane Myers, Daniel Filippa, Diane Louie, Andrew D. Zelenetz, James P. O'Brien, Craig Moskowitz, Ronald Castellino, Larry Norton, Joachim Yahalom, David J. Straus and Joseph R. Bertino. (2004). The NHL 15 for aggressive non-hodgkin's lymphomas: A sequential dose-dense, dose-intense regimen of doxorubicin, vincristine and high dose cyclophosphamide. *Annals of Oncology*, **15**, 1495-1503.

Mora, J., Alaminos, M. de Torres, C., Illei, P., Qin, J., Cheung, N. K. and Gerald, W. L. (2004). Comprehensive analysis of the 9p21 region in neuroblastoma suggests a role for genes mapping to 9p21-23 in the biology of favorable stage 4 tumors. To appear in *British J. of Cancer*.

Carol S. Portlock, Gerard B. Donnelly, Jing Qin, David Straus, Joaquim Yahalom, Andrew Zelenetz, Ariela Noy, Owen O'Connor, Steven Horwitz, Craig Moskowitz, and Daniel A. Filippa. (2004). Adverse Prognostic Significance of CD 20 Positive Reed-Sternberg Cells in Classical Hodgkin's Disease. *British Journal of Haematology*, **125**, 701-708.

Houldsworth, J., Olshen, A. B., Gottoretti, G. Donnelly, G. B., Teruya-Feldstein, J., Qin, J., Shen, Y., Dyomina, K., Petlakh, M., Zelenetz, A. and Chaganti, R. S. K. (2004). Rel amplification and nuclear accumulation of REL in diffuse large B-cell lymphomas. *Blood*, **103**, 1862-1868.

Jinru Shia, Jose G. Guillem, Harvey G. Moore, Satish K. Tickoo, , Jing Qin, Leyo Ruo, Arief Suriawinata, W. Douglas Wong, Philip B. Paty, Martin R. Weiser, Larissa Temple, Bruce D. Minsky, David S. Klimstra. (2003). Patterns of morphological alteration in residual rectal carcinoma following preoperative chemoradiation and their association with long-term outcome. To appear in *American Journal of Surgical Pathology*.

Wang, E. S., Straus, D., Teruya-Feldstein, J., Qin, J., Portlock, C., Moskowitz, C., Goy, A., Hedrick, E., Zelenetz, A. D. and Noy, A. (2003). Intensive chemotherapy with CODOX-M/IVAC for HIV associated Burkitt's lymphoma. *Cancer*, **98**, 1196-1205.

Alaminos, M., Mora, J., Cheung, N. K., Smith, A., Qin, J., Chen, L. and Gerald,

- W. L. (2003). Comprehensive analysis of gene expression associated with MYCN in human neuroblastoma. *Cancer Research*, **63**, 4538-4546.
- Mora, J., Filippa, D. A., Qin, J. and Wollner, N. (2003). Lymphoblastic lymphoma of childhood and the $LSA_2 - L_2$ protocol: the 30-year experience at Memorial Sloan-Kettering Cancer Center. *Cancer*, **98**, 1283-1291.
- Sowers R, Toguchida J, Qin J, Meyers PA, Healey JH, Huvos A, Banerjee D, Bertino JR, Gorlick R. (2003). mRNA Expression Levels of E2F Transcription Factors Correlate with Dihydrofolate Reductase, Reduced Folate Carrier, and Thymidylate Synthase mRNA Expression in Osteosarcoma. *Mol Cancer Ther.* , Jun;2(6):535-541.
- Kolb, A. E., Kushner, B. H., Gorlick, R., Laverdiere, C., Healey, J. H., LaQuaglia, M. P., Huvos, A. G., Qin, J., Thanh Vu, H., Wexler, L., Wolden, S. and Meyers, P. (2003). Long-term event-free survival after intensive chemotherapy for Ewing's family of tumors in children and young adults. *Journal of Clinical Oncology*, **21**, 3423-3430.
- Jinru Shia., Nathan A. Ellis, Philip B. Paty, Garrett M. Nash, Jing Qin, Kenneth Offit, Xin-Min Zhang, Arnold J. Markowitz, Khedoudja Nafa, William L. Gerald, David S. Klimstra. (2003). Value of histopathology in predicting microsatellite instability in hereditary non-polyposis colorectal cancer and sporadic colorectal cancer. To appear in *American Journal of Surgical Pathology*.
- Hamlin, P. A., Zelenetz, Kewalramani, T., Qin, J., Satagopan, J. M., Verbel, D., Noy, A., Portlock, C. S., Straus, D. J., Yahalom, J., Nimer, S. D. and Moskowitz, C. H. (2003). The second-line prognostic index (SPI) predicts autologous stem cell transplant (ASCT) outcome for patients with relapsed or primary refractory diffuse large B-cell lymphoma. *Blood*, **102**, 1989-1996.
- Kewalramani, T., Nimer, S. D., Zelenetz, A. D., Malhotra, S., Qin, J., Yahalom, J. and Moskowitz, C. H. (2003). Progressive disease following autologous transplantation in patients with chemosensitive relapsed or primary refractory hodgkins disease or aggressive non hodgkins lymphoma. *Bone Mar. Tr.*, **32**, 673-679.
- Pan, D., Qin, J., Farber, C., O'Brien, J., Filippa, D. and Portlock, C. S. (2003). CHOP with high dose cyclophosphamide consolidation versus CHOP alone as initial therapy for advanced stage, indolent non-hodgkin's lymphomas. *Leukemia & Lymphoma*, **44** (6), 967-971.

- Teruya-Feldstein J, Donnelly G, Goy A, Hedge A, Qin J, Thaler, H, Gilles F, Lloy, K. O., Zelenetz AD, Houldsworth J, Chaganti RSK. (2003). MUC-1 Mucin Expression in B-Cell Lymphomas. *Applied Immunohistochemistry and Molecular Morphology*, **11** (1), 28-32.
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