Chiu-Hsieh (Paul) Hsu

EDUCATION

1997   M.S. in Statistics, National Tsing Hua University, Hsinchu, Taiwan
Advisor. Professor Anne Chao. Thesis: "Under Random Effect Models, Inference for Capture-Recapture When Time, Behavioral Response, and Heterogeneity Affect Capture Probabilities"

2000   M.S. in Biostatistics, School of Public Health, University of Michigan, Ann Arbor

2003   Ph.D. in Biostatistics, School of Public Health, University of Michigan, Ann Arbor. Advisor: Professor Jeremy M. G. Taylor. Thesis: "Survival Analysis via nonparametric Multiple Imputation"

EMPLOYMENT

1996-1998 Research & Teaching Assistant, Department of Statistics, National Tsing Hua University, HsinChu, Taiwan.

1998-1999 Teaching Assistant, Biostatistics Department, University of Michigan, Ann Arbor.

1999-2003 Research Assistant, Biostatistics Department, University of Michigan, Ann Arbor.

2003-2005 Assistant Professor (NTE), Mel and Enid Zuckerman College of Public Health (MEZCOPH), University of Arizona, Tucson, Arizona.

2005-Present Assistant Professor (TE), Mel and Enid Zuckerman College of Public Health (MEZCOPH), University of Arizona, Tucson, Arizona.

HONORS AND AWARDS

1996   Scholarship of the Outstanding First-Year Master Student, Ministry of Education Taiwan.

1999   Travel Grant to the NSF/CBMS Regional Conference (Houghton, MI) in Statistics Inference in Genetic Data, National Science Foundation.

2000   Award for Best Performance in Ph.D. Qualifying Examination, Department of Biostatistics, University of Michigan.

2002   Travel Grant, Rackham Graduate School, University of Michigan, Ann Arbor.

2002   Travel Award to the 17th International Workshop on Statistical Modelling, Crete, Greece.

2003   One-Term Dissertation Fellowship, Rackham Graduate School, University of Michigan, Ann Arbor.

2004   Distinguished Student Paper Award, International Biometric Society (Eastern North American Region).

2004   Travel Grant to the 22nd International Biometric Conference (Cairns, Australia), International Affairs Office, University of Arizona, Tucson.

2005   Travel Grant to the 8th North American Meeting of New Researchers in Statistics and Probability, Minneapolis, Minnesota.

2006   Travel Grant to International Workshop on Statistical Modelling (Galway, Ireland), International Affairs Office, University of Arizona, Tucson

2007   Travel Grant to International Workshop on Statistical Modelling (Barcelona, Spain), International Affairs Office, University of Arizona, Tucson

SERVICE/OUTREACH

Local/state outreach

2005   Provide statistical service and advice to a local middle school student on his science projects. The student won an award for his project.

Intramural

2004   Member, MPH Summer Intern Project Reviewing Committee, MEZCOPH

2004   Discussant, Grant Preparation and Review Workshop, Arizona Cancer Center

2004-2007 Member, Epidemiology & Biostatistics Qualifying Exam Committee, MEZCOPH

2006   Director, MPH Biostatistics Concentration, MEZCOPH

2006   Judge, Epidemiology Forum, MEZCOPH

2006   Judge, Student Internship Conference (Fall), MEZCOPH

2006-2008 Member, Biostatistics Search Committee, MEZCOPH

2007   Judge, Student Internship Conference (Spring), MEZCOPH

2008   Member, Epidemiology & Biostatistics Peer Review Committee, MEZCOPH

2008   Member, Curriculum Committee, GIDP in Statistics

2008   Reviewer, Arizona Cancer Center Pilot Research Program

2004-Present Member, MPH Biostatistics Concentration Admission Committee, MEZCOPH

2006-Present   Member, MPH Student Affairs Committee, MEZCOPH

2007-Present   Member, Graduate Interdisciplinary Program (GIDP) in Statistics

2009-Present   Member, Online Course Standards Committee, MEZCOPH

2010-Present   Comprehensive Member, Arizona Cancer Center

Extramural

2006   Referee for Lifetime Data Analysis, Preventive Medicine and Canadian Medical Association Journal

2007   Referee for Statistics in Medicine and Genetics Selection Revolution

2008   External Reviewer for Research Grants Council of Hong Kong
Referee for Biostatistics, Statistics in Medicine and Open Statistics and Probability

2008   Chair, Invited Session: Joint Modeling Approaches for Longitudinal Data under Complex Study Designs, ENAR Spring Meeting, Arlington, VA.

2009   External Reviewer for Research Grants Council of Hong Kong
Referee for BMC Medical Research Methodology and Statistics in Medicine

2009   Chair, Contributed Papers: Missing Values in Survival and/or Longitudinal Data, ENAR Spring Meeting, San Antonio, TX

2010-2011   Referee for Biometrics and BMC Medical Research Methodology

2008-Present   Editorial Board Member, Open Statistics and Probability Journal.

2010-Present   Editorial Board Member, Journal of Biometrics and Biostatistics

2011-Present   Section Editor (data analysis, statistics and modeling), BMC Medical Research Methodology

Professional Organizations

2006-2008   Member, Statistical Modelling

2003-present   Member, American Statistical Association

PUBLICATIONS

Peer reviewed journal articles

1. A. Chao, W. Chu, and **C.-H. Hsu**. 2000. Capture-Recapture When Both Time and Behavioral Response Affect Capture Probabilities, *Biometrics* **56**: 427-433.

2. J. M. G. Taylor, R. E. Weiss, W. Li, **C.-H. Hsu**, and R. Suwinski. 2001. Estimation for Paired Binomial Data with Application to Radiation Therapy. *Statistics in Medicine* **20**: 3375-3390.

3. J. M. G. Taylor, S. Murray, and **C.-H. Hsu**. 2002. Survival Estimation and Testing via Multiple Imputation. *Statistics and Probability Letters* **58**: 221-232.

4. **C.-H. Hsu**. 2005. Joint Modeling of Recurrence and Progression of Adenoma Polyps: A Latent Variable Approach. *Statistical Modelling* **5**: 201-215.

5. H-H. S. Chow, I. A. Hakim, D. R. Vining, J. A. Crowell, C. A. Cordova, W. M. Chew, M.-J. Xu, **C.-H. Hsu**, J. Ranger-Moore, and D. S. Alberts. 2006. Effects of Repeated Green Tea Catechin Administration on Human Cytochrome P450 Activity. *Cancer Epidemiology, Biomarker & Prevention* **15**: 2473-2476.

6. **C.-H. Hsu**, J. M. G. Taylor, S. Murray, and D. Commenges. 2006. Survival Analysis Using Auxiliary Variables via Nonparametric Multiple Imputation. *Statistics in Medicine* **25**: 3503-3517.

7. J. G. Einspahr, M. E. Martinez, R. Jiang, **C.-H. Hsu** and et al. 2006. Association of Ki-*ras* Proto-oncogene Mutation and p53 Gene Overexpression in Sporadic Colorectal Adenomas with Demographic and Clinicpathologic Characteristics. *Cancer Epidemiology, Biomarker & Prevention* **15**: 1443-1450.

8. A. F. Baker, G. Powis, W. R. Tate, R. Ramanathan, D. Roe, **C.-H. Hsu**, D. L. Kirkpatrick, and T. Dragovich. 2006. The Antitumor Thioredoxin-1 Inhibitor PX-12 (1-methylpropyl 2-imidazolyl disulfide) Decreases Thioredoxin-1 and VEGF Levels in Patient Plasma. *Journal of Laboratory and Clinical Medicine* **147** (2): 83-90.

9. E. T. Jacobs, E. Lanza, D. S. Alberts, **C.-H. Hsu**, and et. al. 2006. Fiber, Gender, and Colorectal Adenoma: Results of a Pooled Analysis. *American Journal of Clinical Nutrition*, **83** (2): 343-349.

10. **C.-H. Hsu**. 2007. A Weighted Zero-Inflated Poisson Model for Estimation of Recurrence of Adenomas. *Statistical Methods in Medical Research* **16**: 155-166.

11. **C.-H. Hsu**, J. M. G. Taylor, S. Murray, and D. Commenges. 2007. Multiple Imputation for Interval Censored Data with Auxiliary Variables. *Statistics in Medicine* **26**: 769-781.

12. **C.-H. Hsu**, S. B. Green, and Y. He. 2007. A Weighted Logistic Regression Model for Estimation of Recurrence of Adenomas. *Statistics in Medicine* **26**: 1567-1578.

13. L. M. Hess, M. Benham-Hutchins, T. J. Herzog, **C.-H. Hsu**, D. C. Malone, G. H. Skrepnek, M. K. Slack and D. S. Alberts. 2007. A Meta-Analysis of the Efficacy of Intraperitoneal versus Intravenous Chemotherapy Regimens for the Front-Line Treatment of Ovarian Cancer. *International Journal of Gynecological Cancer* **17**: 561-570.

14. **C.-H. Hsu** and J. M. G. Taylor. 2009. Nonparametric Comparison of Two Survival Distributions with Dependent Censoring via Nonparametric Multiple Imputation. *Statistics in Medicine* **28**: 462-475.

15. W.-C. Tung, S. Farmer, K. Ding, W.-K. Tung and **C.-H. Hsu**. 2009. Stages of Condom Use and Decisional Balance among College Students. *International Nursing Review* **56**:346-353.

16. **C.-H. Hsu**, J. M. G. Taylor, Q. Long and D. S. Alberts. 2009. Analysis of Colorectal Adenoma Recurrence Data Subject to Informative Censoring. *Cancer Epidemiology, Biomarkers & Prevention* **18** (3): 712-717.

17. W.-C. Tung and **C.-H. Hsu**. 2009. Assessing Transcultural Validity of the Transtheoretical Model with Chinese Americans and Physical Activity. *Journal of Transcultural Nursing* **20**: 286-295.

18. A. G. Nyitray, J. Kim, **C.-H. Hsu**, M. Papenfuss, L. Villa, E. Lazcano-Ponce and A. R. Giuliano. 2009. The Test-Retest Reliability of a Sexual Behavior Interview for Men Residing in Brazil, Mexico, and the United States: The HIM study. *American Journal of Epidemiology* **170**: 965-974.

19. **C.-H. Hsu**, Q. Long and D. S. Alberts. 2009. Estimation of Colorectal Adenoma Recurrence with Dependent Censoring. *BMC Medical Research Methodology* **9**: 66 doi:10.1186/1471-2288-9-66.

20. I. K. Komenaka, R. Torabi, R. G. Nair, L. Jayaram, **C.-H. Hsu**, M. E. Bouton, H. Dave and D. W. Hobohm. 2010. Intraoperative Touch Imprint and Frozen Section Analysis of Sentinel Lymph Nodes after Neoadjuvant Chemotherapy for Breast Cancer. *Annals of Surgery* **251**: 319-322.

21. A. N. Bartley, P. A. Thompson, J. A. Buckmeier, C. Y. Kepler, **C.-H. Hsu**, M. S. Snyder, M. P. Lance, A. Bhattacharyya, and S. R. Hamilton. 2010 Expression of Gastric Pyloric Mucin MUC6 in Colorectal Serrated Polyps. *Modern Pathology* **23**: 169-176.

22. P. A. Thompson, **C.-H. Hsu**, S. Green, A. T. Stopeck, K. Johnson, D. S. Alberts and H.-H. S. Chow. 2010. Sulindac and Sulindac Metabolites in Nipple Aspirate Fluid and Effect on Drug Targets in a Phase I Trial. *Cancer Prevention Research* **3**: 101-107.

23. I. K. Komenaka, R.E. Pennington, Jr., B. P. Schneider, **C.-H. Hsu**, L. E. Norton, S. E. Clare, N. M. Zork and R. J. Goulet, Jr.. 2010. Compliance Differences between Patients with Breast Cancer in University and County Hospitals. *Clinical Breast Cancer* **10**: 385-391.

24. M. Stratton, A. Algotar, J. Ranger-Moore, S. Stratton, E. Slate, **C.-H. Hsu**, P. Thompson, L. and F. Ahmann. 2010. Oral Selenium Supplementation Has No Effect on PSA Velocity in Men Undergoing Active Surveillance for Localized Prostate Cancer. *Cancer Prevention Research* **3**: 1035-1043.

25. A. M. Algotar, P. A. Thompson, J. Ranger-Moore, M. S. Stratton, **C.-H. Hsu**, F. R. Ahmann, S. P. Stratton. 2010. Effect of Aspirin, Other NSAIDs, and Statins on PSA and PSA Velocity. *The Prostate* **70**: 883-888.

26. M. Bouton, A. Green, J. Nodora, M. Martinez, **C.-H. Hsu** and I. Komenaka. 2010. Understanding of Breast Cancer Concepts in an Undereducated County Hospital Population. *Journal of Surgical Oncology* **102**: 398-403.

27. A. M. Algotar, M. S. Stratton, S. P. Stratton, **C.-H. Hsu**, F. R. Ahmann. 2010. No Effect of Selenium Supplementation on Serum Glucose Levels in Men with Prostate Cancer. *American Journal of Medicine* **123**: 765-768.

28. H-H. Chow, L. Garland, **C.-H. Hsu**, D. Vining, W. Chew, J. Miller, D. Alberts, M. Perloff, J. Crowell. 2010. Resveratrol Modulates Drug and Carcinogen Metabolizing Enzymes in a Healthy Volunteer Study. *Cancer Prevention Research* **3**: 1168-1175.

29. **C.-H. Hsu** and J. M. G. Taylor. 2010. A Robust Weighted Kaplan-Meier Approach for Data with Dependent Censoring Using Linear Combinations of Prognostic Covariates. *Statistics in Medicine* **29**: 2215-2223.

30. I. K. Komenaka, M. E. Martinez, R. E. Pennington, Jr., **C.-H. Hsu**, S. E. Clare, P. A. Thompson, C. Murphy, N. M. Zork and R. J. Goulet, Jr.. 2010. Race and Ethnicity and Breast Cancer Outcomes in an Underinsured Population. *JNCI* **102**: 1178-1187.

31. I. K. Komenaka, **C.-H. Hsu**, M. E. Martinez, B. G. Low, J. A. Salganick, M. E. Bouton, J. Nodora, M. L. Hibbard and C. Jha. 2011. Preoperative chemotherapy for operable breast cancer is associated with improved compliance with adjuvant therapy in matched Stage II and IIIA patients. *The Oncologist* **16**: 742-51.

32. K. H. Davis, **C.-H. Hsu**, M. E. Bouton, K. L. Wilhelmson, I. K. Komenaka. 2011. Intraoperative ultrasound can decrease re-excision lumpectomy rate in patients with palpable breast cancers. *The American Surgeon* **6**: 720-725.

33. A. M. Algotar, S. P. Stratton, J. Ranger-Moore, M. S. Stratton, **C. H. Hsu**, F. R. Ahmann, R. B. Nagle, P. A. Thompson. 2011. Association of obesity and smoking with PSA and PSA velocity. *American Journal of Men's Health* **5**: 272-278.

34. X. Zhang, Q. Long and **C.-H. Hsu**. 2011. Nonparametric multiple imputation for ROC analysis when some biomarker values are missing. *Statistics in Medicine* 30: 3149-61.

35. Q. Long, **C.-H. Hsu**, and Y. Li. 2012 A Robust Nearest Neighbor-based Multiple Imputation. *Statistica Sinica* **22**: 149-172.

36. **C.-H. Hsu**, Y. Li, Q. Long and Q. Zhao. 2011. A Weighted Logistic Regression Model for Estimation of Recurrence of Adenomas with Dependent Censoring. *PLoS ONE* **6**: e25141

37. M. M. Nguyen, F. R. Ahmann, R. B. Nagle, **C.-H. Hsu**, J. A. Tangrea, H. L. Parnes, M. H. Sokoloff1, M. B. Gretzer, and H-H. S. Chow. 2012. Randomized, Double-Blind, Placebo-Controlled Trial of Polyphenon E in Prostate Cancer Patients before Prostatectomy: Evaluation of Potential Chemopreventive Activities. *Cancer Prevention Research* **5**: 290-298.

38. A. M. Algotar, M. S. Stratton, M. J. Xu, B. L. Dalkin, R. B. Nagle, **C.-H. Hsu**, F. R. Ahmann, L. C. Clark, S. P. Stratton. Effect of Selenium Supplementation on Selenium Levels within the Prostate. *Nutrition and Cancer* (in press).

39. C. Curiel-Lewandrowski, S. M. Swetter, J. G. Einsphar, C.-H. Hsu, R. Nagle, P. Sagerman, J. Tangrea, H. Parnes, D. S. Alberts, H.-H. Chow. Randomized, Double-blind, Placebo Controlled Trial of Sulindac in Individuals at Risk for Melanoma: Evaluation of Potential Chemopreventive Activity. Cancer (in press).

Peer reviewed published abstracts

1. <u>C.-H. Hsu</u>, J. M. G. Taylor, and S. Murray. Survival Analysis Using Auxiliary Variables via Nonparametric Multiple Imputation. Proceeding of the 17th International Workshop on Statistical Modeling, Crete, Greece, 2002.

2. <u>C.-H. Hsu</u> and J.M.G. Taylor. Monotone Smoothing Splines Application to Radiotherapy Data. Proceeding of the XXIst International Biometric Conference.

3. J. G. Einspahr, D.S. Alberts, <u>C.-H. Hsu</u>, A.K. Bhattacharrya, M.E. Martinez, J.A. Buckmeier, M.P. Lance, S.R. Hamilton. Association of specific K-ras mutation and recurrence of advanced colorectal adenomas. AACR 2004.

4. <u>C.-H. Hsu</u>. Modelling of Recurrence of Adenoma: A Latent Variable Approach. Proceeding of the International Workshop on Statistical Modeling, Galway, Ireland, 2006.

5. <u>C.-H. Hsu</u>, J. M. G. Taylor, Q. Long, D. S. Alberts and P. A. Thompson. A Weighted Kaplan-Meier Approach for Estimation of Recurrence of Colorectal Adenomas. Proceeding of the International Workshop on Statistical Modeling, Barcelona, Spain, 2007.

6. A. M. Algotar, M. S. Stratton, J. Ranger-Moore, E. Slate, C.-H. Hsu, S. P. Stratton, K. Monroe, G. Schwartzberg, F. Epstein, F. R. Ahmann. Phase II clinical trial of selenium in subjects on active surveillance for prostate cancer progression. 2008 Genitourinary Cancers Symposium, San Francisco, CA, February 13-16, 2008

7. M. S. Stratton, A. M. Algotar, J. Ranger-Moore, E. Slate, <u>C.-H. Hsu</u>, S. P. Stratton, P. A. Thompson, F. R. Ahmann. Phase 2b clinical trial of selenium in prostate cancer patients on active surveillance. American Society of Clinical Oncology Annual Meeting. Chicago, Illinois. May 30-June 3, 2008

8. A. M. Algotar, P. A. Thompson, J. Ranger-Moore, M. S. Stratton, <u>C.-H. Hsu</u>, F. R. Ahmann, S. P. Stratton. Effect of aspirin, NSAIDs, and statins on prostate cancer progression. American Association of Cancer Research, Annual Meeting 2009. Denver, CO, April 18-22.

9. K. Davis, <u>C.-H. Hsu</u>, M. Bouton, I. K. Komenaka. Intraoperative Ultrasound Can Decrease Re-Excision Lumpectomy Rate in Patients with Palpable Breast Cancers. American Aociety of Breast Surgeons, Annual Meeting 2010. Las Vegas, NV, April 28-May

10. M. Nguyen, F. Ahmann, R. Nagle, C.-H. Hsu, J. Tangrea, H. Parnes, M. Sokoloff, M. Gretzer, H-H S. Chow. Randomized, double-blind, placebo controlled trial of polyphenon E

in prostate cancer patients before radical prostatectomy: evaluation of potential chemopreventive activities. American Urological Association meeting 2012. Atlanta.

Technical reports

1. Chao, W. Chu, and <u>C.-H. Hsu</u>. 1998. Capture-Recapture When Both Time and Behavioral Response Affect Capture Probabilities. Technical Report, Institute of Statistics, National Tsing Hua University, Hsin-Chu, Taiwan.

2. <u>C.-H. Hsu</u>, J. M. G. Taylor, and S. Murray. 2004. Survival Analysis Using Auxiliary Variables via Nonparametric Multiple Imputation. Biostatistics Department, University of Michigan, Ann Arbor.

3. <u>C.-H. Hsu</u>. 2004-2010. Adverse Event Reports for the Selenium/Celecoxib Trial. Arizona Cancer Center, University of Arizona.

WORK IN PROGRESS

Manuscripts under review

1. A. M. Algotar, **<u>C.-H. Hsu</u>**, S. P. Stratton. Selenium supplementation has no effect on serum glucose levels in men at high risk for prostate cancer. Under review at Journal of Diabetes.

2. M. Kurzius-Spencer, M. K. O'Rourke, **<u>C.-H. Hsu</u>**, V. Hartz, R. Harris, J. L. Burgess. Comparison of measured and modeled methods of assessing dietary arsenic exposure and the relation to urinary total arsenic. Under review at Environmental Health Perspectives.

Manuscripts in preparation

1. <u>C.-H. Hsu</u>, Q. Long and Y. Li. A Robust Local Multiple Imputation. Anticipate to submit it to *Statistics in Medicine*.

2. <u>C.-H. Hsu</u> and S. Khanna. Statistical Models for Colorectal Adenoma Data Subject to Misclassification. Anticipate to submit it to *Cancer Epidemiology, Biomarkers & Prevention*.

3. <u>C.-H. Hsu</u> and J. M. G. Taylor. Analysis of Accelerated Failure Time Data via Multiple Imputation. Anticipate to submit it to *Statistics in Medicine*.

4. <u>C.-H. Hsu</u>. A Robust Weighted Kaplan-Meier Approach Using Time-dependent Prognostic Covariates. Anticipate to submit it to *Statistics in Medicine*.

5. <u>C.-H. Hsu</u>. Survival Analysis Using Auxiliary Variables via Local Multiple Imputation. Anticipate to submit it to *Statistics in Medicine*.

PRESENTATIONS

Invited

International

1. <u>C.-H. Hsu.</u> Survival Analysis Via Nonparametric Multiple Imputation. Department of Applied Mathematics, National Chung-Hsing University, May 28, 2007.

2. <u>C.-H. Hsu.</u> Survival Analysis Via Nonparametric Multiple Imputation. College of Public Health, China Medical University, May 30, 2007.

3. <u>C.-H. Hsu.</u> Survival Analysis Using Auxiliary Variables Via Nonparametric Multiple Imputation, Institute of Statistical Science, Academia Sinica, June 4, 2007.

University of Arizona

1. <u>C.-H. Hsu</u>. Joint Modeling of Recurrence and Progression of Adenoma Polyps: A Latent variable Approach. College of Pharmacy, University of Arizona, March 2, 2005.

2. <u>C.-H. Hsu.</u> Survival Analysis Via Nonparametric Multiple Imputation, GIDP, University of Arizona, February 12, 2008.

Conferences & Seminar

1. <u>C.-H. Hsu</u>, J. M. G. Taylor, and S. Murray. Survival analysis using auxiliary variables via nonparametric multiple imputation, Presented at the 17th International Workshop on Statistical Modelling, Chania, Crete, Greece, July, 2002.

2. <u>C.-H. Hsu</u> and J. M. G. Taylor. Monotone smoothing splines application to radiotherapy data. Abstract accepted for poster short presentation at the 21st International Biometric Conference, Freiburg, Germany, July, 2002.

3. <u>C.-H. Hsu</u>, J. M. G. Taylor, and S. Murray. Survival estimation and testing via multiple imputation. Presented at the Joint Statistical Meetings, New York City, August, 2002.

4. <u>C.-H. Hsu</u>, J. M. G. Taylor, and S. Murray. Survival analysis using auxiliary variables via nonparametric multiple imputation, Presented at the ENAR Spring Meeting, Tampa, March, 2003.

5. <u>C.-H. Hsu</u>, J. M. G. Taylor, and S. Murray. Survival analysis using auxiliary variables via nonparametric multiple imputation, Presented at the ENAR Spring Meeting, Pittsburgh, March, 2004.

6. <u>C.-H. Hsu</u>. Survival Analysis with Dependent Censoring. Presented at CPC Seminar, Arizona Cancer Center, May, 2004.

7. <u>C.-H. Hsu</u> and J. M. G. Taylor. Nonparametric Comparison of Two Survival Distributions with Dependent Censoring via Nonparametric Multiple Imputation. Presented at the 22nd International Biometric Conference, Cairns, Australia, July, 2004.

8. <u>C.-H. Hsu</u>. Joint Modeling of Recurrence and Progression of Adenoma Polyps: A Latent Variable Approach, Presented at the 8th New Researchers Conference, Minneapolis, Minnesota, August 2-6, 2005.

9. <u>C.-H. Hsu</u>. Alternative Approaches to Analyzing Polyp Data at CPC Seminar, Arizona Cancer Center, October, 2005.

10. <u>C.-H. Hsu</u>. Modelling of Recurrence of Adenoma: A Latent Variable Approach. Galway, Ireland, July, 2006.

11. <u>C.-H. Hsu</u> and J. M. G. Taylor. Nonparametric Comparison of Two Survival Distributions with Dependent Censoring via Nonparametric Multiple Imputation. Presented at the 2006 JSM, Seattle, Washington, August, 2006.

12. <u>C.-H. Hsu</u>. Shall We Adjust for Non-compliance in a Polyp Prevention Trial? CPC Seminar, Arizona Cancer Center, November, 2006.

13. <u>C.-H. Hsu</u>, J. M. G. Taylor, Q. Long, D. S. Alberts and P. A. Thompson. A Weighted Kaplan-Meier Approach for Estimation of Recurrence of Colorectal Adenomas. ENAR Spring Meeting, Atlanta, Georgia, March 2007.

14. <u>C.-H. Hsu</u>, J. M. G. Taylor, Q. Long, D. S. Alberts and P. A. Thompson. A Weighted Kaplan-Meier Approach for Estimation of Recurrence of Colorectal Adenomas. International Workshop on Statistical Modelling, Barcelona, Spain, July 2007.

15. <u>C.-H. Hsu</u> and J. M. G. Taylor. A Robust Weighted Kaplan-Meier Approach Using Linear Combinations of Prognostic Covariates. ENAR Spring Meeting, Washington DC, March 2008.

16. <u>C.-H. Hsu</u> and Q. Long. A Double Robust Local Multiple Imputation. ENAR Spring Meeting, San Antonio, Texas, March 2009.

17. <u>C.-H. Hsu</u> and S. Khanna. Statistical Models for Adenoma Data from Colorectal Polyp Prevention Trials. JSM Vancouver, August 2010.

18. <u>C.-H. Hsu</u>, Q. Long and Y. Li. A Nonparametric Multiple Imputation Approach for Data with Missing Covariate Values with Application to Colorectal Adenoma Data. ENAR Spring meeting, Miami, Florida, March 2011.

GRANTS

Current

2011-2015   Co-investigator, NIH R01 HL 103692-01 (Richard Lane, PI) Typical daily emotion, ischemia and repolarization in CAD. 7% effort.

2009-2013   Statistician, NIH HL 090716-01A2 (Liu, PI) Tc-99m-labled cytokine ligands and SPECT inflammation imaging of ischemic hearts. 3% effort.

2011-   Statistician, Trauma Research (Rhee, PI). 5.87% effort.

2009-2012   Principal investigator, NIH/NCI Grant R03 CA130089-01A1 "Statistical methods for colorectal neoplastic prevention trials". 25% effort; $100,000.

2009-2014   Statistician, NIH/NCI 3 P30 CA 23704 (David Alberts, PI) Cancer center support grant 9% effort; $235.264.

2003-2012   Statistician, NIH/NCI N01-CN-35158 (Sherry Chow, PI) Phase I & II clinical trials of cancer chemo-preventive agents. 8% effort; $8,396,542.

2009-2012   Statistician, NIH/NCI R21 CA123033-01A2 (Sherry Chow, PI) Clinical study of disposition and biological activity of d-limonene. 8% effort; 250,000.

Completed

2005-2010   Statistician, NIH/NCI 1R01 CA77789 (Rick Ahmann-PI; Stratton-Co-PI) Phase III Trial of Selenium for Prostate Cancer Prevention (Negative Biopsy Trial); 2% effort; $390,174.

2005-2010   Statistician, NIH/NCI P01 CA41108 (Peter Lance, PI) Colon cancer prevention grant. 25% effort; $116,092 (biometry).

2006   Principal investigator, American Cancer Society IRG Grant and the Cancer Center Support Grant "Model Surrogate Biomarkers in a Colorectal Cancer Prevention Trial" ($20,000).

2007   Principal investigator, American Cancer Society IRG Grant and the Cancer Center Support Grant "Statistical Methods for Missing Data in Colorectal Cancer Research" ($15,000).