

## Curriculum Vitae

**DATE:** February 8, 2019  
**NAME:** Yong Lin, Ph.D.  
**PRESENT TITLE:** Professor, Department of Biostatistics and Epidemiology, School of Public Health (SPH), and  
Division of Biometrics, The Cancer Institute of New Jersey (CINJ),  
Rutgers, The State University of New Jersey  
**HOME ADDRESS:** 28 Francis Drive  
Bridgewater, NJ 08807  
**OFFICE ADDRESS:** School of Public Health, Room 214  
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Rutgers Cancer Institute of New Jersey  
195 Little Albany Street  
New Brunswick, NJ 08901

**CITIZENSHIP:** U.S. Citizen

### EDUCATION:

- A. Undergraduate Graduate and Professional
- Xiamen University, Xiamen, Fujian, China  
B.S. in Mathematics May 1982
- B. Graduate and Professional
- Xiamen University, Xiamen, Fujian, China  
M.S. in Mathematics January 1985
  - The Pennsylvania State University, PA  
M.A. in Mathematics May 1994
  - The Pennsylvania State University, PA  
Ph.D. in Statistics May 1997

### ACADEMIC APPOINTMENT:

- Primary: Department of Biostatistics, School of Public Health, Rutgers University  
Professor July 2011 to present
- Biometrics Division, Rutgers Cancer Institute of New Jersey, Rutgers University  
Professor July 2011 to present

### MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

- American Statistical Association (ASA):
  - Member since 1999

- President-elected, Princeton-Trenton Chapter, July 2018 to present
- International Biometrics Society (IBS)
  - Member since 1999
  - Poster judge for ENAR held at Atlanta in March 2018

**HONORS AND AWARDS:**

- Foundation of UMDNJ's Excellence in Teaching Award for 2007-2008
- Member of Delta Omega Honorary Society in Public Health, Year of Induction: 2008
- Excellence Award, Merck & Co. Inc., 1999
- Employee of the Year; Acer/Excel Inc., 1997
- Wheeler P. Pavey Graduate Fellowship Award; The Pennsylvania State University, 1995
- Vollmer-Kleckner Scholarship in Science; The Pennsylvania State University, 1994
- Honor Student for six years in Xiamen University as an undergraduate and graduate student.

**MANUSCRIPT REFEREE FOR PEER REVIEWED PROFESSIONAL JOURNALS:**

*1) Biostatistics, 2) Biometrics, 3) Statistics in Medicine, 4) Journal of statistical planning and inference, 5) Statistics in Biopharmaceutical Research, 6) Statistics & Probability Letters, 7) Communication in Statistics, 8) Journal of Clinical Oncology, 9) Communication in Statistics, 10) Advances in Statistics, 11) Contemporary Clinical Trials, 12) British Journal of Mathematics & Computer Science, 13) Computational Statistics and Data, 14) Journal of biopharmaceutical statistics, 15) Annals of Oncology, 16) International Journal of Biostatistics, 17) Contemporary clinical trials, 18) Journal of Applied Statistics, 19) Austin Biometrics and Biostatistics, 20) Statistical Science, 21) Statistics in Biosciences*

**EDITORIAL BOARDS FOR PEER REVIEWED PROFESSIONAL JOURNALS:**

- Member of Editorial Board of Austin Biometrics and Biostatistics (June 2014 – present)
- Associate Editor for Current Research in Biostatistics (previous name: American Journal of Biostatistics) (June 2016 – present)

**PREVIOUS POSITIONS**

- Mathematics Lecturer in Mathematics Department of Xiamen University in China, January, 1985 -- August, 1987
- Mathematics Instructor in Mathematics Department of Pennsylvania State University, August, 1988 -- August, 1994
- Teaching Assistant in Statistics Department of Pennsylvania state University, August, 1994 --July, 1995
- Statistical Consultant in Statistical Consulting Center of Pennsylvania State University, August, 1993 -- May, 1994
- Predoctoral Lecturer in Statistics Department of Pennsylvania State University, August, 1995 --May, 1996
- Research Computing Assistant in Statistics Department of Pennsylvania State University, August, 1996 -- December, 1996

- Statistical Consultant in Population Research Institute of Pennsylvania State University, August, 1996 -- December, 1996
  - Research Assistant in Statistics Department of Pennsylvania State University, January, 1997 --May, 1997
  - Statistician in Acer/Excel Inc., May, 1997 -- January, 1998
  - Contract Statistician in Merck & Co. Inc. at Rahway, January, 1998 -- July 1999
  - Biostatistician in Cancer Institute of New Jersey July, 1999 – July 2013,
  - Assistant Professor in the School of Public Health of University of Medicine and Dentistry of New Jersey January, 2001 -- July, 2005,
  - Associate Professor in the School of Public Health of University of Medicine and Dentistry of New Jersey July, 2005 – June, 2011,
  - Professor in the School of Public Health of Rutgers, the State University of New Jersey July, 2011 – present,
- \*\* Note: On July 1st, 2013 The University of Medicine and Dentistry of New Jersey (UMDNJ) merged with Rutgers, The State University of New Jersey. Appropriate name changes have been made above for current positions only.

#### **SERVICE ON MAJOR COMMITTEES:**

##### A. School/University

- Member of Academic Information Technology Advisory Committee of UMDNJ, June 2002 --August 2005
- Member of Computing Committee for New School of Public Health Building, May 2003 --August 2003
- Member of Doctoral Committee in School of Public Health, September 2004 -- 2018
- Member of Curriculum Committee in School of Public Health, September 2006 – June 2015
- Member of Appointment and Promotion Committee in School of Public Health, February 2011 – present
- Member of Research Committee in School of Public Health, February 2012 –June 2015
- Member of Website review committee in School of Public Health, October 2012 – June 2013

##### B. Department

- UNIX/Linux system administrator for Biostatistics Department, School of Public Health and Biometrics Division of the Cancer Institute of New Jersey (CINJ) (1999 -- present)
- Biostatistics PhD student admission committee (Fall 2009 - present)
- Faculty Search committee for Biostatistics department (Fall 2015 – Spring 2016)
- Faculty Search committee for Epidemiology department (Fall 2015 –Spring 2016)
- Biostatistics PhD curriculum working committee (Fall 2018)
- Faculty Search committee for Biostatistics concentration of Biostatistics and Epidemiology (Fall 2018 – present)

#### **OTHER SERVICE:**

- Grant application support for Biostatistics facility at the Environmental and Occupational Health Science Institute, NIEHS Center of Excellence (2002 -- 2003).
- Grant application support for Biometrics Shared Resource at CINJ (2003 -- 2004)

- Grant application support for Rutgers Cancer Laboratory and CINJ (1999 -- present)
- Mentorship and statistical support for K-award recipients: 1). Xianglin Tan; 2) Bo Qin; 3) Adana Llanos Wilson

**TEACHING/MENTORING RESPONSIBILITIES (AND COMMITTEES OF THESES):**

- Classroom Teaching
  - Biocomputing I: Fall 2002, Spring 2003, Fall 2004, Fall 2011, Fall 2012
  - Biocomputing II: Spring 2008, Spring 2015
  - Theory of Biostatistics II: Spring 2005, Spring 2018
  - Advanced Theory of Biostatistics I: Fall 2005, Fall 2008, Fall 2013, Fall 2015, Fall 2016
  - Advanced Theory of Biostatistics II: Spring 2006, Spring 2009, Spring 2014, Spring 2016, Spring 2017
  - Applied Longitudinal Data Analysis: Fall 2006, Fall 2007, Fall 2009, Spring 2012, Fall 2014, Fall 2017, Fall 2018
  - Applied Lifetime Data Analysis: Spring 2007
  - Regression Methods for Public Health Studies: Spring 2011
  - Advanced Biostatistical Computing: Spring 2019
- Thesis Advisor of Graduated Ph.D. Students
  - Aiyang Tao (Ph.D. in Biostatistics), Spring 2010  
Thesis Title: “A dose finding method in joint modeling of efficacy and safety endpoints in phase II studies - an extension of the MCP-Mod method”
  - Yu Wu (Ph.D. in Biostatistics), Spring 2010  
Thesis Title: “Extension of cure rate model when cured is partially known”
  - Fang Fang (Ph.D. in Biostatistics), Summer 2010  
Thesis Title: “Methods of evaluation of performance of adaptive designs on treatment effect intervals and methods of designing two-stage winner designs with survival outcomes”
  - John Oleynick (Ph.D. in Biostatistics), Fall 2012  
Thesis Title: “Response surface methods for assessing synergistic effects of three or more drugs”
  - Pinwen Wang (Ph.D. in Biostatistics), Spring 2013 (Co-advised with Dr. Shou-En Lu)  
Thesis Title: “Two-stage winner designs for non-inferiority trials with two to three experimental treatments and an active control”
  - Menghui Chen (Ph.D. in Biostatistics), Spring 2015  
Thesis Title: “Dose finding methods based on cure rate Model in phase I cancer clinical trials”
  - Hui Gu (Ph.D. in Biostatistics), Summer 2017  
Thesis Title: “Two-stage design for phase II cancer clinical trials with multiple endpoints”
- Member of Thesis Committees of Graduated Ph.D. Students
  - Weili He’s (Ph.D. in Biostatistics), Spring 2003

- Thesis Title: “Joint modeling time-to-event and longitudinal data using Markov Chain Monte Carlo methods with application to the Proscar<sup>TM</sup> long-term efficacy and safety study”
- Pei-Ling Chu’s (Ph.D. in Biostatistics), Spring 2005  
Thesis Title: “Model-based designs for phase I cancer clinical trials”,
  - Puza P. Sharma’s (Ph. D. in Epidemiology), Spring 2007  
Thesis Title “Predictors and consequences of nonadherence to antihypertensive medication”
  - Yen-Hong Kuo (Ph.D. in Biostatistics), Spring 2010  
Thesis Title “Parameter estimation from grouped data with applications to meta-analysis”
  - Anjun Cao (Ph.D. in Biostatistics), Fall 2011  
Thesis Title “Likelihood-based instrumental variable analysis in the presence of an unobserved latent confounder”
  - Junwu Shen (Ph.D. in Biostatistics), Fall 2011  
Thesis Title “Finite mixture regression models and applications: detection limit and goodness-of-fit test”
  - Tefera Gezmu (Ph.D. in Epidemiology), Spring 2012  
Thesis Title “Racial/ethnic variations in acute stroke: a registry based multiethnic study in New Jersey”
  - Prethibha George (Ph.D. in Epidemiology), Spring 2012  
Thesis Title “Racial differences in optimal treatment of early stage breast cancer”
  - Sheenu Chandwani (Ph.D. in Epidemiology), Spring 2012  
Thesis Title “Factors contributing to disparities in early breast cancer treatment”
  - Urmila Chandran (Ph.D. student in Epidemiology), Fall 2012  
Thesis Title “Racial disparities in nutritional factors and breast cancer risk”
  - Lixian Peng (Ph.D. student in Biostatistics), Spring 2015  
Thesis Title “ Sensitivity analysis of non-future dependence missing data in clinical trials with an emphasis on the Type-I error rate using multiple imputation and pattern mixture model approach”
  - Kristy Iglay (Ph.D. student in Epidemiology), Spring 2015  
Thesis Title “ Mental illness and breast cancer among elderly patients in the us: a SEER-medicare database analysis”
  - Melissa L. Santorelli (Ph.D. student in Epidemiology), Spring 2015  
Thesis Title “Chronic disease outcomes among older women with breast cancer in the United States”
  - Nour Makarem (Ph.D. student in School of Population Health, New York University), Spring 2016  
Thesis Title “The role of carbohydrate nutrition in the risk of adiposity-related cancers: results from the prospective framingham offspring cohort (1991-2013)”
  - Jun Zhou (Ph.D. student in Epidemiology), Spring 2017  
Thesis Title “Some effects of exposure misclassification on epidemiological studies”
  - Tina Chang Young (Ph.D. student in Biostatistics), Spring 2017  
Thesis Title “A robust paradigm of finding the maximum tolerated dose in phase i cancer clinical trials with application to IL-21 Denenicokin”

- Susan Gabriel (Ph.D. student in Epidemiology), Fall 2017  
Thesis Title “The impact of dairy food, vitamin D and calcium consumption on women’s health through the life-course”
- Zhuliang Tao (Ph.D. student in Epidemiology), Fall 2017  
Thesis Title “An inquiry into the association of pancreatic cancer with other diseases of westernization”
- Elizabeth A. Szamreta (Ph.D. student in Epidemiology), Fall 2018  
Thesis Title “Consumption of a Mediterranean-like diet and its relationship with growth, body fatness, and puberty”
- Tao Sheng, (Ph.D. student in Biostatistics), Fall 2018  
Thesis Title “Decay model for sensitivity analysis for handling missing data due to intercurrent events in clinical trials”
- Member of Thesis Committee of Graduated DrPH Student
  - Susan Huyck (DrPH in Biostatistics), Fall 2009  
Thesis Title: “Modeling times of maximum biomarker excretion”
- Thesis Advisor of Current Ph.D. Students
  - Yanping Chen: Summer 2017 – present
  - Jingyu Huang: Fall 2017 - present
- Academic Advisor of Current Doctoral and MS Students
  - Rui Li: Fall 2015 – present
  - Shaocheng Peng: Fall 2017 – present
  - Shihui Qu: Fall 2017 – present
  - Manhbub Rabbani: Fall 2017 – present
- Thesis Advisor of Graduated MS Students
  - Layfong Lim, graduated in May 2013  
Paper Title: “Comparisons of Different Methods for Analyzing Recurrent Events Data”
  - Wenhan Zhu, graduated in December 2015  
Paper Title: “Comparison of trend tests based on Cochran Armitage method and Dosemeci Benichou method”
  - Shuai Zhao, graduated in Spring 2016  
Paper Title: “Bayesian approach for assessing non-inferiority in a three-arm trial with pre-specified margin”
  - Yuanyuan Qiu, graduated in Spring 2017  
Paper Title: “Optimal Allocation of Participants for the Estimation of Selection, Preference and Treatment Effects in the Two-stage Randomized Trial Design”
  - Wei Zhao, graduated in Summer 2017  
Paper Title: “Remarks on designs enriching for placebo non-responders”
  - Faisal Zia, graduated in Fall 2017  
Paper Title: “ Biomarker-Adaptive Threshold Design: Addressing the Need for Novel Survival Study Designs When Treatment Effect Varies”

- Qiangxi Wang, graduated in Spring 2018  
Paper title: “Exploring relationship of Education Level with respect to Poverty, Unemployment Rate, and Birth Rate Among United States”
- Thesis Co-Advisor of Graduated MS Students
  - Liping Huang, graduated in May 2007  
Paper Title: “Using Zero-Inflated and Hurdle Models to Analyze Count Data with Many Zeros for Modeling Hospitalization Events among Patients with Rheumatoid Arthritis”
  - Urvi Gandhi, graduated in May 2008  
Paper Title: “Effects of Weighting and Clustering for Use in Multilevel Models”
- Mentorship of M.S. Statisticians at the Biometrics Division of CINJ
  - Edmond S. Malka, August 2000- August 2002
  - Xiang Wei, October 2003- June 2004
  - John Oleynick: June 2004-August 2006
  - Ovidiu Chiparus, January 2008 to February 2009
- Site supervisor for field works of graduated MPH students
  - Michelle Akiko (MPH student in Epi): Summer of 2005
  - Screevidya Narayanappa (MPH student in Epi): Fall of 2005
  - Nandita Mukherjee (MPH student in Epi): Fall of 2005 to Spring of 2006
- Member of Doctoral Committee of Current Students:
  - Denise Elsasser (Epi), Michelle Doose (Epi), Cathleen Xing (Epi), Filippa Juul (Department of Public Health Nutrition, NYU College of Global Public Health)
- Member of Doctoral Qualifying Examination Committee:
  - Fall 2001: Weili He
  - Fall 2003: Pei-Ling Chu
  - Fall 2006: Aiyang Tao, Susan Huyck, Pin-wen Wang
  - Spring 2007: Fang Fang, Jennifer (Dan) Sun
  - Spring 2008: Margaret Gorlin, Yu Wu, John Oleynick, Lixian Peng, Anjun Cao, Jennifer (Dan) Sun, Gaohong Dong, Jianxin Lin, Xinyang Cao
  - Fall 2008: Yuhui Ma, Barry Miller, Junwu Shen, Margaret Gorlin, John Oleynick, Xinyang Cao, Brahim Bookhart (Epi), Hong Qiu (Epi)
  - Spring 2009: Jun Zou (Epi), Melony Williams (Epi), Heather M O'Kelly (Epi)
  - Fall 2009: Liping Huang, Hui Li, Carlin Brickner, Xinqun Chen, Jack Li, Tefera Gezmu (Epi)
  - Fall 2010: Ovidiu Chiparus, Menghui Chen, Carlin Brickner, Cindy Tong, Xinqun Chen, Qian Dong, Liping Huang
  - Spring 2012: Urmila Chandran (Epi)
  - Fall 2012: Zhaojie Wang

- Fall 2013: Tina Young, Zhuliang Tao (Epi), Brahim Bookhart (Epi), Susan Gabriel (Epi)
- Fall 2014: Hui Gu, Tao Sheng
- Fall 2015: Tao Sheng
- Fall 2016: Jingyu Huang, Yanping Chen, Heng Zou
- Fall 2017: Wei Wang, Jingyu Huang, Michelle Doose (Epi)
- Fall 2018: Rui Li
- Member and Coordinator of Doctoral Preliminary Examination Committee:
  - Spring 2015: Jingyu Huang, Joshua Longcoy, Jian Wang, Heng Zou
  - Spring 2016: Rui Li

**CLINICAL RESPONSIBILITIES:** (Clinical effectiveness should be addressed in nominating letter)

**GRANT SUPPORT (LIST SUPPORT FOR PAST 15 YEARS, GIVING SOURCE, AMOUNT, DURATION AND THE CANDIDATE’S POSITION ON THE GRANT):**

**Current :**

1. Cancer Center Support Grant (NIH/NCI)  
 3P30CA072720 (Steven Libutti, PI) 03/01/16 – 02/28/19  
 Total : \$3,470,015 50% Effort  
 Role : Biostatistician
2. Obesity, related comorbidities, and breast cancer outcomes in African Americans (NIH/NCI)  
 R01 CA185623-01 (Bandera, Hong, Demissie, PIs) 9/11/14-8/31/19  
 Total: \$ 5,717,877 3% Effort

The purpose of this study is to evaluate the impact of obesity and related comorbidities in breast cancer treatment and outcomes, including breast-cancer specific mortality, overall mortality, and quality of life, as well as mechanistic pathways, with consideration of genomic ancestry.

**Pending:**

3. Biobehavioral Effects of Tai Chi Qigong for Prostate Cancer Survivors with Fatigue (NIH/NCI)  
 R01 (Anita Y. Kinney, PI)  
 Role: Co-Investigator

**Previous:**

1. Inhibition of Carcinogenesis by Tea and Tea Constituents (NCI)  
 1P01CA088961-01A1 (C.S. Yang, PI) 09/17/01 - 08/31/06  
 Total: \$1,097,872 25% Effort  
 Role: Biostatistician
2. Functional Studies of the Top 1-Binding Protein Topors (NCI)  
 R1CA99951B (Eric Rubin, PI) 08/01/03-07/31/08  
 Total: \$1,307,803 5% Effort  
 Role: Co-Investigator



3. Cancer Center Support Grant (NIH/NCI)  
P30CA072720C (Williams Hait, PI) 03/01/00 – 2/28/05  
Total : \$16,109,040 50% Effort  
Role: Biostatistician
4. Research Center in Environmental Health Sciences (NIH/NIEHS)  
ES005022 (Michael, Gallo, PI) 04/01/03-04/01/08  
Total: \$6,999,342 10% Effort  
Role: Co-Investigator
5. Metabolic Syndrome & Cancer Mortality (NCI)  
PCA132127A (Grace Lu-Yao, PI) 09/24/07-08/31/09  
Total: \$156,000 3% Effort  
Role: Co-Investigator
6. Effect of Caffeine on UVB-induced Skin Cancer (NCI)  
R01CA114442 (Allan Conney, PI) 07/01/06-05/31/11  
Total: \$1,014,150 10% Effort  
Role: Co-Investigator
7. Conservation of Meiotic Recombination Sites in the Human Genome (GM/NIH)  
R01GM081878 (Honghua Li, PI) 04/01/08-02/28/12  
Total: \$800,000 5% Effort  
Role: Co-Investigator
8. Validation of Grm1 as a Therapeutic Target in Melanoma (NCI)  
RCA124975A (James Goydos, PI) 07/10/07-05/31/12  
Total: \$1,488,080 5% Effort  
Role: Co-Investigator
9. Early Clinical Trials of New Anti-Cancer Agents with Phase I Emphasis (NIH)  
UCA132194A (Robert DiPaola, PI) 05/01/08-02/28/13  
Total: \$1,250,000 5% Effort  
Role: Co-Investigator
10. Cancer Center Support Grant (NIH/NCI)  
P30CA072720C (Robert DiPaola, PI) 03/01/05 – 2/28/10  
Total : \$16,186,115 50% Effort  
Role: Biostatistician
11. Inhibition of skin cancer by caffeine: Effects on late stages of carcinogenesis (NIH)  
R01CA130857 (Allan Conney, PI) 07/01/08-04/30/13  
Total: \$1,054,188 5% Effort  
Role: Co-Investigator
12. Inhibitory effects of caffeine, exercise and lipectomy on UVB-induced skin cancer (NIH)

- R01 CA128997 (Yaoping Lu, PI) 09/18/08-07/13/13  
 Total: \$802,855 5% Effort  
 Role: Co-Investigator
13. Evaluate long-term prognosis of localized prostate cancer following initial radiation therapy (NIH/NCI)  
 IRC1CA0145722-01 (Grace Lu-Yao, PI) 9/30/09-09/29/2011  
 Total: \$270,987 10% Effort  
 Role: Co-Investigator
14. Evaluation of Palliative Prostate Cancer Care among Elderly Men (NIH/NCI)  
 NIH/NCI2R01CA116399 (G. Lu-Yao, PI) 01/01/2011 - 11/30/14  
 Total: \$220,395 5% Effort  
 Role: Co-Investigator
15. Prostate cancer prevention by tocopherols (NIH/NCI)  
 R01-CA152826-01A1 (Ah Ng Tony Kong, PI) 04/01/2011-03/31/2015  
 Total: \$324,121 5% Effort  
 Role: Co-Investigator
16. A randomized Phase II study of nuclear factor-kappa B (NF-kB) inhibition during induction chemotherapy for patients with acute myelogenous leukemia  
 (Leukemia & Lymphoma Society) (Roger Strair, PI) 01/1/2012-12/31/2015  
 Total: \$600,000 5% Effort  
 Role: Co-Investigator
17. The Cancer Insulin Resistance and Lifestyle (CIRCLE) Study in the FHS population (American Cancer Society)  
 RSG CNE-121743 (Niyati Parekh, PI) 01/1/2012-12/31/2016  
 Total: \$720,000 12% Effort  
 Role: Co-Investigator
18. Prevention of estrogen-mediated mammary carcinogenesis by mixtures of tocopherols (NIH/NCCAM)  
 R01AT007036-02 (Nanjoo Suh, PI) 08/01/2012 – 07/31/2017  
 Total: \$241,812 5% Effort  
 Role: Co-Investigator

## PUBLICATIONS:

### Peer-reviewed Papers:

1. **Lin Y.**  $\alpha$ -fine Topology and Julia Points of a Homomorphic Function. Journal of Xiamen University (Natural Science). 1986; 25(4):400-407.
2. **Lin Y.** On Point Derivations of Higher Order on  $R(K)$ . Journal of Xiamen University (Natural Science). 1987; 26(2):155-160.
3. **Lin Y, Lindsay BG.** Projections on cones, Chi-bar squared distributions, and Weyl's formula. Statistics and Probability Letters. 1997; 32:367-376.

4. Zheng X, Chang RL, Cui XX, Kelly KA, Shih WJ, **Lin Y**, Strair R, Suh J, Han ZT, Rabson A, Conney AH. Synergistic effects of clinically achievable concentrations of 12-O-tetradecanoylphorbol-13-acetate in combination with all-trans retinoic acid, 1 $\alpha$ ,25-dihydroxyvitamin D<sub>3</sub>, and sodium butyrate on differentiation in HL-60 cells. *Oncol Res.* 2000;12(9-10):419-27. PubMed PMID: 11697820.
5. Yang J, Yang JM, Iannone M, Shih WJ, **Lin Y**, Hait WN. Disruption of the EF-2 kinase/Hsp90 protein complex: a possible mechanism to inhibit glioblastoma by geldanamycin. *Cancer Res.* 2001 May 15;61(10):4010-6. PubMed PMID: 11358819.
6. **Lin Y**, Shih WJ. Statistical properties of the traditional algorithm-based designs for phase I cancer clinical trials. *Biostatistics.* 2001 Jun;2(2):203-15. PubMed PMID: 12933550.
7. Lu YP, Lou YR, **Lin Y**, Shih WJ, Huang MT, Yang CS, Conney AH. Inhibitory effects of orally administered green tea, black tea, and caffeine on skin carcinogenesis in mice previously treated with ultraviolet B light (high-risk mice): relationship to decreased tissue fat. *Cancer Res.* 2001 Jul 1;61(13):5002-9. PubMed PMID: 11431333.
8. DiPaola RS, Chenven ES, Shih WJ, **Lin Y**, Amenta P, Goodin S, Shumate A, Capanna T, Cardiella M, Cummings KB, Aisner J, Todd MB. Mitoxantrone in patients with prostate specific antigen progression after local therapy for prostate carcinoma. *Cancer.* 2001 Oct 15;92(8):2065-71. PubMed PMID: 11596021.
9. Lu YP, Lou YR, Li XH, Xie JG, **Lin Y**, Shih WJ, Conney AH. Stimulatory effect of topical application of caffeine on UVB-induced apoptosis in mouse skin. *Oncol Res.* 2002;13(2):61-70. PubMed PMID: 12392153.
10. Chin KV, Seifer DB, Feng B, **Lin Y**, Shih WC. DNA microarray analysis of the expression profiles of luteinized granulosa cells as a function of ovarian reserve. *Fertil Steril.* 2002 Jun;77(6):1214-8. PubMed PMID: 12057731.
11. Zheng X, Ravatn R, **Lin Y**, Shih WC, Rabson A, Strair R, Huberman E, Conney A, Chin KV. Gene expression of TPA induced differentiation in HL-60 cells by DNA microarray analysis. *Nucleic Acids Res.* 2002 Oct 15;30(20):4489-99. PubMed PMID: 12384596; PubMed Central PMCID: PMC137144.
12. Rubin EH, de Alwis DP, Pouliquen I, Green L, Marder P, **Lin Y**, Musanti R, Grospe SL, Smith SL, Toppmeyer DL, Much J, Kane M, Chaudhary A, Jordan C, Burgess M, Slapak CA. A phase I trial of a potent P-glycoprotein inhibitor, Zosuquidar3HCl trihydrochloride (LY335979), administered orally in combination with doxorubicin in patients with advanced malignancies. *Clin Cancer Res.* 2002 Dec;8(12):3710-7. PubMed PMID: 12473580.
13. Shih WJ, Ouyang P, Quan H, **Lin Y**, Michiels B, Bijmens L. Controlling type I error rate for fast track drug development programmes. *Stat Med.* 2003 Mar 15;22(5):665-75. PubMed PMID: 12587098.
14. Licitra EJ, Vyas V, Nelson K, Musanti R, Beers S, Thomas C, Poplin E, Smith S, **Lin Y**, Schaaf LJ, Aisner J, Gounder M, Rajendra R, Saleem A, Toppmeyer D, Rubin EH. Phase I evaluation of sequential topoisomerase targeting with irinotecan/cisplatin followed by etoposide in patients with advanced malignancy. *Clin Cancer Res.* 2003 May;9(5):1673-9. PubMed PMID: 12738720.
15. Xie W, Rimm DL, **Lin Y**, Shih WJ, Reiss M. Loss of Smad signaling in human colorectal cancer is associated with advanced disease and poor prognosis. *Cancer J.* 2003 Jul-Aug;9(4):302-12. PubMed PMID: 12967141.
16. Toppmeyer DL, Gounder M, Much J, Musanti R, Vyas V, Medina M, Orlando T, Pennick M, **Lin Y**, Shih W, Goodin S, Rubin E. A phase I and pharmacologic study of the combination of marimastat and paclitaxel in patients with advanced malignancy. *Med Sci Monit.* 2003 Aug;9(8):PI99-104. PubMed PMID: 12942041.

17. Lehrer PM, Vaschillo E, Vaschillo B, Lu SE, Eckberg DL, Edelberg R, Shih WJ, **Lin Y**, Kuusela TA, Tahvanainen KU, Hamer RM. Heart rate variability biofeedback increases baroreflex gain and peak expiratory flow. *Psychosom Med*. 2003 Sep-Oct;65(5):796-805. PubMed PMID: 14508023.
18. Wong YF, Selvanayagam ZE, Wei N, Porter J, Vittal R, Hu R, **Lin Y**, Liao J, Shih JW, Cheung TH, Lo KW, Yim SF, Yip SK, Ngong DT, Siu N, Chan LK, Chan CS, Kong T, Kutlina E, McKinnon RD, Denhardt DT, Chin KV, Chung TK. Expression genomics of cervical cancer: molecular classification and prediction of radiotherapy response by DNA microarray. *Clin Cancer Res*. 2003 Nov 15;9(15):5486-92. PubMed PMID: 14654527.
19. Gounder MK, Sun SL, Sands H, **Lin Y**, Shih WJ, Gu Z, Charles-Williams S, Roychowdhury M, Rajendra R, Rubin EH. Development of a bioanalytical liquid chromatography method for quantitation of 9-nitrocamptothecin in human plasma. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2004 Jan 5;799(1):63-72. PubMed PMID: 14659436.
20. Zheng X, Chang RL, Cui XX, Avila GE, Lee S, Lu YP, Lou YR, Shih WJ, **Lin Y**, Reuhl K, Newmark H, Rabson A, Conney AH. Inhibitory effect of 12-O-tetradecanoylphorbol-13-acetate alone or in combination with all-trans-retinoic acid on the growth of LNCaP prostate tumors in immunodeficient mice. *Cancer Res*. 2004 Mar 1;64(5):1811-20. PubMed PMID: 14996744.
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**PROFESSIONAL PRESENTATIONS:**

1. The likelihood ratio test of mixture hypotheses: distributional approximation using Hotelling's tubes, 1996 Joint Statistical Meetings in Chicago.
2. A hybrid of modified CRM and EWOC approaches for Phase-I cancer trails, 1999 ENAR Spring Meeting of The International Biometrics Society in Atlanta of Georgia.
3. Statistical Properties of Traditional Algorithm-based Designs for Phase I Cancer Clinical Trials, 2000 ENAR Spring Meeting of The International Biometrics Society in Chicago of Illinois (in March 19-22 of 2000)
4. Using SAS functions in data steps, PharmaSUG 2000 in Seattle of Washington in May 7-10 of 2000.
5. Less May Be More — “Pattern But Not Mix” And “Partial Imputation” Approaches For Analyzing Clinical Data With Dropouts, 2000 ENAR Spring Meeting of The International Biometrics Society in Chicago of Illinois in March 19-22 of 2000.
6. An adaptive Two-Stage Design for Phase II Clinical Trials, 2001 ENAR Spring Meeting of The International Biometrics Society in Charlotte of North Carolina in March 25-28 of 2001.
7. Analyses of Pilot and Early Phase Studies with Small Sample Sizes, 2003 Joint Statistical Meetings in San Francisco.
8. Statistical Properties of Modified Algorithm-based Designs for Phase I Cancer Clinical Trials, 2004 Joint Statistical Meetings in Toronto, Canada.
9. The Likelihood Ratio Test of Mixture Hypotheses And The Tube Volume Problem, 2006 Joint Statistical Meetings in Seattle.
10. Unifying CRM and EWOC Designs for Phase I Cancer Clinical Trials, 2008 International Chinese Statistical Association meeting in New Jersey.
11. A Dose finding Method in Joint Modeling of Efficacy and Safety Endpoints in Phase II Studies, 2010 Joint Statistical Meetings in Vancouver, Canada.
12. A Dose finding Method in Joint Modeling of Mixed-type Efficacy and Safety Endpoints in Phase II Studies, 2011 Joint Statistical Meetings in Miami Beach, Florida.
13. Comparing Performance of Group Sequential Designs using Haybittle-Peto Type Boundaries with Sample Size Re-estimation Designs, 2011 Joint Statistical Meetings in Miami Beach, Florida.
14. Two-stage Winner Design with Survival Outcomes: Methods and Features, 2012 Joint Statistical Meetings in San Diego, California.

15. Extension of Cure Rate Model When Cured Is Partially Known, 2012 Joint Statistical Meetings in San Diego, California.
16. Generalized response surface models for assessing synergistic effects of three or more drugs, 2013 Joint Statistical Meetings in Montreal, Canada.
17. Extension of Cure Rate Model and Application of Mixture Models to Clinical studies, July 25, 2014 at Janssen Pharmaceuticals, Rariton, NJ.
18. Dose Finding Methods Based on Cure Rate Model in Phase I Cancer Clinical Trials, 2015 Joint Statistical Meetings in Seattle, Washington.
19. Two-stage Design for Phase II Cancer Clinical Trials with Multiple Endpoints, 2017 Joint Statistical Meetings in Baltimore, Maryland
20. Relative Efficiency of Precision Medicine Designs for Clinical Trials with Predictive Biomarkers, 2018 ENAR Spring Meeting of The International Biometrics Society in Atlanta, GA
21. Two-stage enrichment clinical trial design with adjustment for misclassification in predictive biomarkers, 2018 Joint Statistical Meetings in Vancouver, BC, Canada