

Curriculum Vitae

DATE: October 9, 2019
NAME: Yong Lin, Ph.D.
PRESENT TITLE: Professor (Tenured) of Biostatistics, Department of Biostatistics and Epidemiology, School of Public Health (SPH), and Division of Biometrics, The Cancer Institute of New Jersey (RCINJ), Rutgers, The State University of New Jersey
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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 and Epidemiology, 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 June 2019
- President, Princeton-Trenton Chapter, July 2019 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, 22) Stat – The ISI's Journal for the Rapid Dissemination of Statistics Research

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 – Spring 2019)
- Doctoral Admission committee for Biostatistics concentration of Biostatistics and Epidemiology (Fall 2018)

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:
 - Xianglin Tan: NCI-Career Development Award K07: CA190541; 08/01/2015 – 07/31/2020
 - Bo Qin; NIH/NIMHD K99/R00: MD013300; 08/14/2018 – 06/30/2023
 - Adana Llanos Wilson: NCI Career Development Award K01: CA193527; 08/11/2015 – 01/31/2021

TEACHING/MENTORING RESPONSIBILITIES (AND COMMITTEES OF THESE):

- Classroom Teaching
 - Biocomputing I: Fall 2002, Spring 2003, Fall 2004, Fall 2011, Fall 2012
 - Biocomputing II: Spring 2008, Spring 2015
 - Theory of Biostatistics I: Fall 2019
 - 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™ 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”
- Cathleen Y. Xing (Ph.D. student in Epidemiology), Spring 2019
- Thesis Title “Predictors and consequences of cumulative stress among black breast cancer survivors in the women’s circle of health follow-up study”
- Michelle Doose (Ph.D. student in Epidemiology), Spring 2019
- Thesis Title “Examining the Multilevel Influences on Diabetes and Hypertension Clinical Care Management among Breast Cancer Patients”
- Denise Elsasser (Ph.D. student in Epidemiology), Summer 2019
- Thesis Title “The impact of systemic lupus erythematosus on obstetric outcomes and infection susceptibility in the exposed infant”
- 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

- Manhubub Rabbani: Fall 2017 – present
- Linda Ritchie: Fall 2018 – present
- Wensheng Liu: Fall 2018 – present
- Zhong Lai: Fall 2018 – 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 respective to Poverty, Unemployment Rate, and Birth Rate Among United Sates”
- 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:
 - 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) 03/01/19 – 02/28/24
Total : \$3,470,015 50% Effort
Role : Biostatistician
2. Wisconsin and New Jersey alliance in precision experimental therapeutics (NIH/NCI) 3/19/2014 -2/29/2020

SUM1CA186716-05 (Janice Mehnert, PI) 5% Effort

Total (Year 2019): \$966,949

Role: co-investigator

3. FILIP1L inhibits ovarian cancer metastasis through inhibition of WNT signaling

DOD W81XWH-15-1-0369 (Steven Libutti, PI) 09/01/15-08/31/20

Total: \$757,477 5% Effort

Serve as mentor and statistical support for K-award recipients:

4. NCI-Career Development Award K07 (NIH/NCI) 08/01/2015 – 07/31/2020

CA190541 (Xianglin Tan, PI) In-kind

Total: \$852,703

Role: Mentor

5. NIH/NIMHD K99/R00 (NIH/NCI) 08/14/2018 – 06/30/2023

MD013300 (Bo Qin, PI) In-kind

Total: \$945,509

Role: Mentor

6. NCI Career Development Award K01 (NIH/NCI) 08/11/2015 – 01/31/2021

CA193527 (Adana Llanos Wilson, PI) In-kind

Total: \$691,800

Role: Mentor/Statistical support

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)
1RC1CA0145722-01 (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
19. 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.
 Role: Co-Investigator

PUBLICATIONS:

Peer-reviewed Papers:

■ Methodology:

1. **Lin Y.** α -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. **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.
5. Shih WJ, Ouyang P, Quan H, **Lin Y**, Michiels B, Bijnens L. Controlling type I error rate for fast track drug development programmes. *Statistics in Medicine*. 2003 Mar 15;22(5):665-75. PubMed PMID: 12587098.
6. **Lin Y**, Shih WJ. Adaptive two-stage designs for single-arm phase IIA cancer clinical trials. *Biometrics*. 2004 Jun;60(2):482-90. PubMed PMID: 15180674.
7. Lu SE, **Lin Y**, Shih WC. Analyzing excessive no changes in clinical trials with clustered data. *Biometrics*. 2004 Mar;60(1):257-67. PubMed PMID: 15032797.
8. Shih WJ, Ohman-Strickland PA, **Lin Y**. Analysis of pilot and early phase studies with small sample sizes. *Statistics in Medicine*. 2004 Jun 30;23(12):1827-42. PubMed PMID: 15195318.
9. Liao JG, **Lin Y**, Selvanayagam ZE, Shih WJ. A mixture model for estimating the local false discovery rate in DNA microarray analysis. *Bioinformatics*. 2004 Nov 1;20(16):2694-701. PubMed PMID: 15145810.
10. Shih WJ, Lu S, **Lin Y**. Rejoinder to the Letter to the Editor from Albert PS. *Biometrics*. 2005; 61(3):880-881.
11. Shih WJ, **Lin Y**. Traditional and modified algorithm-based designs for phase I cancer clinical trials. In *Statistical Methods for Dose-Finding Experiments* edited by S. Chevret, John Wiley & Sons, Ltd, 61-90, 2006.
12. Chu P, **Lin Y**, Shih WJ. Unifying CRM and EWOC Designs for Phase I Cancer Clinical Trials. *Journal of statistical planning and inference*. 2009; 139:1146-1163.
13. Liu J, Chen L, Zhao H, Moore DF, **Lin Y**, Shih WJ. On calculating the probability of a set of orthologous sequences. *Adv Appl Bioinform Chem*. 2009;2:37-48. PubMed PMID: 21918614; PubMed Central PMCID: PMC3169941.
14. Liao JG, Wu Y, **Lin Y**. Improving Sheather and Jones' bandwidth selector for difficult densities in kernel density estimation. *Journal of nonparametric statistics*. 2010; 22(1):105-114.
15. Liu J, **Lin Y**, Shih WJ. On Simon's two-stage design for single-arm phase IIA cancer clinical trials under beta-binomial distribution. *Statistics in Medicine*. 2010 May 10;29(10):1084-95. PubMed PMID: 20077506.
16. Wu Y, **Lin Y***, Li C, Lu S, Shih WJ. Asymptotic efficiency of an exponential cure model when cure information is partially known. *International journal of statistics and probability*. 2014; 3(3):1-17.
17. Fang F, **Lin Y***, Shih WJ, Li Y, Yang J, Zhang X. Methods of designing two-stage winner trials with survival outcomes. *Statistics in Medicine*. 2014 Apr 30;33(9):1539-63. PubMed PMID: 24347247; NIHMSID: NIHMS545875; PubMed Central PMCID: PMC3976764.
18. Wu Y, **Lin Y***, Lu SE, Li CS, Shih WJ. Extension of a Cox proportional hazards cure model when cure information is partially known. *Biostatistics*. 2014 Jul;15(3):540-54. PubMed PMID: 24511081; PubMed Central PMCID: PMC4059463.
19. Tao A, **Lin Y***, Pinheiro J, Shih WJ. Dose finding method in joint modeling of efficacy and safety endpoints in Phase II studies. *International Journal of Statistics and Probability*. 2015; 4(1):33-45.
20. Shih WJ, **Lin Y**. On study designs and hypotheses for clinical trials with predictive biomarkers. *Contemporary Clinical Trials*, 2017;62, 140-145.

21. Wang PW, Lu SE, **Lin Y***, Shih WJ, Land KKG. Two-stage winner designs for non-inferiority trials with pre-specified non-inferiority margin. *Journal of Statistical Planning and Inference*. 2017; 183:44-61.
22. Shih WJ, **Lin Y**. Relative Efficiency of Precision Medicine Designs for Clinical Trials with Predictive Biomarkers. *Statistics in Medicine*, 2018, 37:687-709, doi: 10.1002/sim.7562
23. Wu Y, **Lin Y***, Lu SE, Li CS, Shih WJ. An extended semi-parametric accelerated failure time cure model for partial cure information known. *Current Research in Biostatistics*, 2018 December 11, DOI: 10.3844/amjbsp.2018
24. Fang F, **Lin Y***, Shih WJ, Lu SE, Zhu G. Evaluation of performance of adaptive designs based on treatment effect intervals. *International Journal of Statistics and Probability*. 2018; 7(6):81-93
25. Lin Y, Shih WJ, Lu SE. Two-stage enrichment clinical trial design with adjustment for misclassification in predictive biomarkers. *Statistics in Medicine*, 17 October 2019, <https://doi.org/10.1002/sim.8370>

*: The corresponding author and the advisor of a student

■ Collaborative:

26. 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 α ,25-dihydroxyvitamin D₃, and sodium butyrate on differentiation in HL-60 cells. *Oncol Res*. 2000;12(9-10):419-27. PubMed PMID: 11697820.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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.
 35. 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.
 36. 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.
 37. 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.
 38. 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.
 39. 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.
 40. 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.
 41. Kita T, Goydos J, Reitman E, Ravatn R, **Lin Y**, Shih WC, Kikuchi Y, Chin KV. Extracellular cAMP-dependent protein kinase (ECPKA) in melanoma. *Cancer Lett.* 2004 May 28;208(2):187-91. PubMed PMID: 15142677.
 42. Chin KV, Selvanayagam ZE, Vittal R, Kita, Kudoh TK, Yang CS, Wong YF, Cheung TH, Yeo W, Chung TKH, **Lin Y**, Liao J, Shih JW, Yap SF, Lin AW. Application of expression genomics in drug development and genomic medicine. *Drug development research.* 2004, 62 (2), 124-133
 43. 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. Experimental Therapeutics, Molecular Targets, and Chemical Biology-Inhibitory Effect of 12-O-Tetradecanoylphorbol-13-acetate Alone or in Combination with All-trans-Retinoic Acid on the Growth of. *Cancer Research* 2004. 64 (5), 1811-1820

44. Chen X, Wang S, Wu N, Sood S, Wang P, Jin Z, Beer DG, Giordano TJ, **Lin Y**, Shih WC, Lubet RA, Yang CS. Overexpression of 5-lipoxygenase in rat and human esophageal adenocarcinoma and inhibitory effects of zileuton and celecoxib on carcinogenesis. *Clin Cancer Res.* 2004 Oct 1;10(19):6703-9. PubMed PMID: 15475461.
45. Gao H, Ouyang X, Banach-Petrosky W, Borowsky AD, **Lin Y**, Kim M, Lee H, Shih WJ, Cardiff RD, Shen MM, Abate-Shen C. A critical role for p27kip1 gene dosage in a mouse model of prostate carcinogenesis. *Proc Natl Acad Sci U S A.* 2004 Dec 7;101(49):17204-9. PubMed PMID: 15569926; PubMed Central PMCID: PMC535400.
46. Zheng X, Ryan A, Patel N, Klemons S, Hansson A, Shih WJ, **Lin Y**, Huberman E, Chang RL, Conney AH. Synergistic stimulatory effect of 12-O-tetradecanoylphorbol-13-acetate and capsaicin on macrophage differentiation in HL-60 and HL-525 human myeloid leukemia cells. *Int J Oncol.* 2005 Feb;26(2):441-8. PubMed PMID: 15645129.
47. Wang HY, Luo M, Tereshchenko IV, Frikker DM, Cui X, Li JY, Hu G, Chu Y, Azaro MA, **Lin Y**, Shen L, Yang Q, Kambouris ME, Gao R, Shih W, Li H. A genotyping system capable of simultaneously analyzing >1000 single nucleotide polymorphisms in a haploid genome. *Genome Res.* 2005 Feb;15(2):276-83. PubMed PMID: 15687291; PubMed Central PMCID: PMC546529.
48. Rao K, Goodin S, Levitt MJ, Dave N, Shih WJ, **Lin Y**, Capanna T, Doyle-Lindrud S, Juvidian P, DiPaola RS. A phase II trial of imatinib mesylate in patients with prostate specific antigen progression after local therapy for prostate cancer. *Prostate.* 2005 Feb 1;62(2):115-22. PubMed PMID: 15389797.
49. Chinge NO, Pramanik S, Hu G, **Lin Y**, Gao R, Shen L, Li H. Determination of gene organization in the human IGHV region on single chromosomes. *Genes Immun.* 2005 May;6(3):186-93. PubMed PMID: 15744329.
50. Avila GE, Zheng X, Cui XX, Ryan AD, Hansson A, Suh J, Rabson AB, Chang RL, Shih WJ, **Lin Y**, Crowell P, Lu YP, Lou YR, Conney AH. Inhibitory effects of 12-O-tetradecanoylphorbol-13-acetate alone or in combination with all-trans retinoic acid on the growth of cultured human pancreas cancer cells and pancreas tumor xenografts in immunodeficient mice. *J Pharmacol Exp Ther.* 2005 Oct;315(1):170-87. PubMed PMID: 15976015.
51. Chin KV, Alabanza L, Fujii K, Kudoh K, Kita T, Kikuchi Y, Selvanayagam ZE, Wong YF, **Lin Y**, Shih WC. Application of expression genomics for predicting treatment response in cancer. *Ann N Y Acad Sci.* 2005 Nov;1058:186-95. PubMed PMID: 16394136.
52. Ju J, Hong J, Zhou JN, Pan Z, Bose M, Liao J, Yang GY, Liu YY, Hou Z, **Lin Y**, Ma J, Shih WJ, Carothers AM, Yang CS. Inhibition of intestinal tumorigenesis in Apcmin/+ mice by (-)-epigallocatechin-3-gallate, the major catechin in green tea. *Cancer Res.* 2005 Nov 15;65(22):10623-31. PubMed PMID: 16288056.
53. Greenawalt DM, Cui X, Wu Y, **Lin Y**, Wang HY, Luo M, Tereshchenko IV, Hu G, Li JY, Chu Y, Azaro MA, Decoste CJ, Chinge NO, Gao R, Shen L, Shih WJ, Lange K, Li H. Strong correlation between meiotic crossovers and haplotype structure in a 25-Mb region on the long arm of chromosome 21. *Genome Res.* 2006 Feb;16(2):208-14. PubMed PMID: 16385099; PubMed Central PMCID: PMC1361716.
54. Burke TA, Sturkenboom MC, Lu SE, Wentworth CE, **Lin Y**, Rhoads GG. Discontinuation of antihypertensive drugs among newly diagnosed hypertensive patients in UK general practice. *J Hypertens.* 2006 Jun;24(6):1193-200. PubMed PMID: 16685222.

55. Zheng X, Chang RL, Cui XX, Avila GE, Hebbar V, Garzotto M, Shih WJ, **Lin Y**, Lu SE, Rabson AB, Kong AN, Conney AH. Effects of 12-O-tetradecanoylphorbol-13-acetate (TPA) in combination with paclitaxel (Taxol) on prostate Cancer LNCaP cells cultured in vitro or grown as xenograft tumors in immunodeficient mice. *Clin Cancer Res.* 2006 Jun 1;12(11 Pt 1):3444-51. PubMed PMID: 16740769.
56. Schaar D, Goodell L, Aisner J, Cui XX, Han ZT, Chang R, Martin J, Grospe S, Dudek L, Riley J, Manago J, **Lin Y**, Rubin EH, Conney A, Strair RK. A phase I clinical trial of 12- O-tetradecanoylphorbol-13-acetate for patients with relapsed/refractory malignancies. *Cancer Chemother Pharmacol.* 2006 Jun;57(6):789-95. PubMed PMID: 16231182.
57. Michna L, Wagner GC, Lou YR, Xie JG, Peng QY, **Lin Y**, Carlson K, Shih WJ, Conney AH, Lu YP. Inhibitory effects of voluntary running wheel exercise on UVB-induced skin carcinogenesis in SKH-1 mice. *Carcinogenesis.* 2006 Oct;27(10):2108-15. PubMed PMID: 16699173.
58. Sang S, Ju J, Lambert JD, **Lin Y**, Hong J, Bose M, Wang S, Bai N, He K, Reddy BS, Ho CT, Li F, Yang CS. Wheat bran oil and its fractions inhibit human colon cancer cell growth and intestinal tumorigenesis in Apc(min/+) mice. *J Agric Food Chem.* 2006 Dec 27;54(26):9792-7. PubMed PMID: 17177503.
59. Lu YP, Lou YR, Xie JG, Peng QY, Zhou S, **Lin Y**, Shih WJ, Conney AH. Caffeine and caffeine sodium benzoate have a sunscreen effect, enhance UVB-induced apoptosis, and inhibit UVB-induced skin carcinogenesis in SKH-1 mice. *Carcinogenesis.* 2007 Jan;28(1):199-206. PubMed PMID: 16864596.
60. Paul SM, Martin RM, Lu SE, **Lin Y**. Changing trends in human immunodeficiency virus and acquired immunodeficiency syndrome in the population aged 50 and older. *J Am Geriatr Soc.* 2007 Sep;55(9):1393-7. PubMed PMID: 17767680.
61. Zheng X, Cui XX, Avila GE, Huang MT, Liu Y, Patel J, Kong AN, Paulino R, Shih WJ, **Lin Y**, Rabson AB, Reddy BS, Conney AH. Atorvastatin and celecoxib inhibit prostate PC-3 tumors in immunodeficient mice. *Clin Cancer Res.* 2007 Sep 15;13(18 Pt 1):5480-7. PubMed PMID: 17875778.
62. Ali Y, **Lin Y**, Gharibo MM, Gounder MK, Stein MN, Lagattuta TF, Egorin MJ, Rubin EH, Poplin EA. Phase I and pharmacokinetic study of imatinib mesylate (Gleevec) and gemcitabine in patients with refractory solid tumors. *Clin Cancer Res.* 2007 Oct 1;13(19):5876-82. PubMed PMID: 17908982.
63. Ouyang X, Jessen WJ, Al-Ahmadie H, Serio AM, **Lin Y**, Shih WJ, Reuter VE, Scardino PT, Shen MM, Aronow BJ, Vickers AJ, Gerald WL, Abate-Shen C. Activator protein-1 transcription factors are associated with progression and recurrence of prostate cancer. *Cancer Res.* 2008 Apr 1;68(7):2132-44. PubMed PMID: 18381418.
64. Saraiya B, Gounder M, Dutta J, Saleem A, Collazo C, Zimmerman L, Nazar A, Gharibo M, Schaar D, **Lin Y**, Shih W, Aisner J, Strair RK, Rubin EH. Sequential topoisomerase targeting and analysis of mechanisms of resistance to topotecan in patients with acute myelogenous leukemia. *Anticancer Drugs.* 2008 Apr;19(4):411-20. PubMed PMID: 18454051.
65. Xiao H, Zhang Q, **Lin Y**, Reddy BS, Yang CS. Combination of atorvastatin and celecoxib synergistically induces cell cycle arrest and apoptosis in colon cancer cells. *Int J Cancer.* 2008 May 1;122(9):2115-24. PubMed PMID: 18172863.

66. Zheng X, Cui XX, Huang MT, Liu Y, Shih WJ, **Lin Y**, Lu YP, Wagner GC, Conney AH. Inhibitory effect of voluntary running wheel exercise on the growth of human pancreatic Panc-1 and prostate PC-3 xenograft tumors in immunodeficient mice. *Oncol Rep.* 2008 Jun;19(6):1583-8. PubMed PMID: 18497969; NIHMSID: NIHMS170485; PubMed Central PMCID: PMC2825748.
67. Lu-Yao GL, Albertsen PC, Moore DF, Shih W, **Lin Y**, DiPaola RS, Yao SL. Survival following primary androgen deprivation therapy among men with localized prostate cancer. *JAMA.* 2008 Jul 9;300(2):173-81. PubMed PMID: 18612114; NIHMSID: NIHMS92658; PubMed Central PMCID: PMC2645653.
68. Lu G, Xiao H, You H, **Lin Y**, Jin H, Snagaski B, Yang CS. Synergistic inhibition of lung tumorigenesis by a combination of green tea polyphenols and atorvastatin. *Clin Cancer Res.* 2008 Aug 1;14(15):4981-8. PubMed PMID: 18676773.
69. Parekh N, **Lin Y**, Marcella S, Kant AK, Lu-Yao G. Associations of lifestyle and physiologic factors with prostate-specific antigen concentrations: evidence from the National Health and Nutrition Examination Survey (2001-2004). *Cancer Epidemiol Biomarkers Prev.* 2008 Sep;17(9):2467-72. PubMed PMID: 18768517; NIHMSID: NIHMS173542; PubMed Central PMCID: PMC2822540.
70. Ju J, Nolan B, Cheh M, Bose M, **Lin Y**, Wagner GC, Yang CS. Voluntary exercise inhibits intestinal tumorigenesis in Apc(Min/+) mice and azoxymethane/dextran sulfate sodium-treated mice. *BMC Cancer.* 2008 Nov 2;8:316. PubMed PMID: 18976499; PubMed Central PMCID: PMC2635383.
71. Strair RK, Gharibo M, Schaar D, Rubin A, Harrison J, Aisner J, Lin HC, **Lin Y**, Goodell L, Anand M, Balsara B, Dudek L, Rabson A, Medina DJ. Nuclear factor-kappaB modulation in patients undergoing induction chemotherapy for acute myelogenous leukemia. *Clin Cancer Res.* 2008 Nov 15;14(22):7564-8. PubMed PMID: 19010875.
72. Luo M, Cui X, Fredman D, Brookes AJ, Azaro MA, Greenawalt DM, Hu G, Wang HY, Tereshchenko IV, **Lin Y**, Shentu Y, Gao R, Shen L, Li H. Genetic structures of copy number variants revealed by genotyping single sperm. *PLoS One.* 2009;4(4):e5236. PubMed PMID: 19384415; PubMed Central PMCID: PMC2668179.
73. Wang HY, Greenawalt D, Cui X, Tereshchenko IV, Luo M, Yang Q, Azaro MA, Hu G, Chu Y, Li JY, Shen L, **Lin Y**, Zhang L, Li H. Identification of possible genetic alterations in the breast cancer cell line MCF-7 using high-density SNP genotyping microarray. *J Carcinog.* 2009;8:6. PubMed PMID: 19439911; PubMed Central PMCID: PMC2687141.
74. Lu YP, Lou YR, Xie JG, Peng Q, Shih WJ, **Lin Y**, Conney AH. Tumorigenic effect of some commonly used moisturizing creams when applied topically to UVB-pretreated high-risk mice. *J Invest Dermatol.* 2009 Feb;129(2):468-75. PubMed PMID: 18704106; NIHMSID: NIHMS67281; PubMed Central PMCID: PMC2630214.
75. Leary JT, Handling M, Talerico M, **Lin Y**, Bowe JA. Physeal fractures of the distal tibia: predictive factors of premature physeal closure and growth arrest. *J Pediatr Orthop.* 2009 Jun;29(4):356-61. PubMed PMID: 19461377.
76. Lu-Yao GL, Albertsen PC, Moore DF, Shih W, **Lin Y**, DiPaola RS, Barry MJ, Zietman A, O'Leary M, Walker-Corkery E, Yao SL. Outcomes of localized prostate cancer following conservative management. *JAMA.* 2009 Sep

- 16;302(11):1202-9. PubMed PMID: 19755699; NIHMSID: NIHMS172636; PubMed Central PMCID: PMC2822438.
77. Zheng X, Cui XX, Gao Z, Zhao Y, **Lin Y**, Shih WJ, Huang MT, Liu Y, Rabson A, Reddy B, Yang CS, Conney AH. Atorvastatin and celecoxib in combination inhibits the progression of androgen-dependent LNCaP xenograft prostate tumors to androgen independence. *Cancer Prev Res (Phila)*. 2010 Jan;3(1):114-24. PubMed PMID: 20051379; NIHMSID: NIHMS151785; PubMed Central PMCID: PMC2803700.
 78. Parekh N, **Lin Y**, Hayes RB, Albu JB, Lu-Yao GL. Longitudinal associations of blood markers of insulin and glucose metabolism and cancer mortality in the third National Health and Nutrition Examination Survey. *Cancer Causes Control*. 2010 Apr;21(4):631-42. PubMed PMID: 20094767; NIHMSID: NIHMS525340; PubMed Central PMCID: PMC3817266.
 79. Shao YH, Albertsen PC, Roberts CB, **Lin Y**, Mehta AR, Stein MN, DiPaola RS, Lu-Yao GL. Risk profiles and treatment patterns among men diagnosed as having prostate cancer and a prostate-specific antigen level below 40 ng/ml. *Arch Intern Med*. 2010 Jul 26;170(14):1256-61. PubMed PMID: 20660846; NIHMSID: NIHMS466528; PubMed Central PMCID: PMC3651841.
 80. Parekh N, **Lin Y**, DiPaola RS, Marcella S, Lu-Yao G. Obesity and prostate cancer detection: insights from three national surveys. *Am J Med*. 2010 Sep;123(9):829-35. PubMed PMID: 20800152; NIHMSID: NIHMS525681; PubMed Central PMCID: PMC3826172.
 81. Zheng X, Cui XX, Gao Z, Zhao Y, Shi Y, Huang MT, Liu Y, Wagner GC, **Lin Y**, Shih WJ, Rao CV, Yang CS, Conney AH. Inhibitory effect of dietary atorvastatin and celecoxib together with voluntary running wheel exercise on the progression of androgen-dependent LNCaP prostate tumors to androgen independence. *Exp Ther Med*. 2011 Mar;2(2):221-228. PubMed PMID: 21660218; NIHMSID: NIHMS292476; PubMed Central PMCID: PMC3109910.
 82. Li GX, Lee MJ, Liu AB, Yang Z, **Lin Y**, Shih WJ, Yang CS. δ -tocopherol is more active than α - or γ -tocopherol in inhibiting lung tumorigenesis in vivo. *Cancer Prev Res (Phila)*. 2011 Mar;4(3):404-13. PubMed PMID: 21372040; NIHMSID: NIHMS263888; PubMed Central PMCID: PMC3071153.
 83. Albertsen PC, Moore DF, Shih W, **Lin Y**, Li H, Lu-Yao GL. Impact of comorbidity on survival among men with localized prostate cancer. *J Clin Oncol*. 2011 Apr 1;29(10):1335-41. PubMed PMID: 21357791; PubMed Central PMCID: PMC3084001.
 84. Lou YR, Peng QY, Li T, Medvecky CM, **Lin Y**, Shih WJ, Conney AH, Shapses S, Wagner GC, Lu YP. Effects of high-fat diets rich in either omega-3 or omega-6 fatty acids on UVB-induced skin carcinogenesis in SKH-1 mice. *Carcinogenesis*. 2011 Jul;32(7):1078-84. PubMed PMID: 21525235; PubMed Central PMCID: PMC3128560.
 85. Mehnert JM, Tan AR, Moss R, Poplin E, Stein MN, Sovak M, Levinson K, Lin H, Kane M, Gounder M, **Lin Y**, Shih WJ, White E, Rubin EH, Karantza V. Rationally designed treatment for solid tumors with MAPK pathway activation: a phase I study of paclitaxel and bortezomib using an adaptive dose-finding approach. *Mol Cancer Ther*. 2011 Aug;10(8):1509-19. PubMed PMID: 21680752; NIHMSID: NIHMS305287; PubMed Central PMCID: PMC3155243.

86. Kim S, Shen S, Moore DF, Shih W, **Lin Y**, Li H, Dolan M, Shao YH, Lu-Yao GL. Late gastrointestinal toxicities following radiation therapy for prostate cancer. *Eur Urol.* 2011 Nov;60(5):908-16. PubMed PMID: 21684064; NIHMSID: NIHMS307775; PubMed Central PMCID: PMC3185133.
87. Bandera EV, Chandran U, Buckley B, **Lin Y**, Isukapalli S, Marshall I, King M, Zarbl H. Urinary mycoestrogens, body size and breast development in New Jersey girls. *Sci Total Environ.* 2011 Nov 15;409(24):5221-7. PubMed PMID: 21975003; NIHMSID: NIHMS327791; PubMed Central PMCID: PMC3312601.
88. Zheng X, Cui XX, Huang MT, Liu Y, Wagner GC, **Lin Y**, Shih WJ, Lee MJ, Yang CS, Conney AH. Inhibition of progression of androgen-dependent prostate LNCaP tumors to androgen independence in SCID mice by oral caffeine and voluntary exercise. *Nutr Cancer.* 2012;64(7):1029-37. PubMed PMID: 23061906.
89. Parekh N, **Lin Y**, Craft LL, Vadiveloo M, Lu-Yao GL. Longitudinal associations of leisure-time physical activity and cancer mortality in the Third National Health and Nutrition Examination Survey (1986-2006). *J Obes.* 2012;2012:518358. PubMed PMID: 22675612; PubMed Central PMCID: PMC3361252.
90. Weng FL, Dhillon N, **Lin Y**, Mulgaonkar S, Patel AM. Racial differences in outcomes of the evaluation of potential live kidney donors: a retrospective cohort study. *Am J Nephrol.* 2012;35(5):409-15. PubMed PMID: 22517188.
91. Guan F, Li G, Liu AB, Lee MJ, Yang Z, Chen YK, **Lin Y**, Shih W, Yang CS. δ - and γ -tocopherols, but not α -tocopherol, inhibit colon carcinogenesis in azoxymethane-treated F344 rats. *Cancer Prev Res (Phila).* 2012 Apr;5(4):644-54. PubMed PMID: 22366914; NIHMSID: NIHMS357175; PubMed Central PMCID: PMC3324634.
92. Li G, Lee MJ, Liu AB, Yang Z, **Lin Y**, Shih WJ, Yang CS. The antioxidant and anti-inflammatory activities of tocopherols are independent of Nrf2 in mice. *Free Radic Biol Med.* 2012 Apr 1;52(7):1151-8. PubMed PMID: 22226829.
93. Lu YP, Lou YR, Bernard JJ, Peng QY, Li T, **Lin Y**, Shih WJ, Nghiem P, Shapses S, Wagner GC, Conney AH. Surgical removal of the parametrial fat pads stimulates apoptosis and inhibits UVB-induced carcinogenesis in mice fed a high-fat diet. *Proc Natl Acad Sci U S A.* 2012 Jun 5;109(23):9065-70. PubMed PMID: 22615388; PubMed Central PMCID: PMC3384184.
94. Lu SE, Beckles GL, Crosson JC, Bilik D, Karter AJ, Gerzoff RB, **Lin Y**, Ross SV, McEwen LN, Waitzfelder BE, Marrero D, Lasser N, Brown AF. Evaluation of risk equations for prediction of short-term coronary heart disease events in patients with long-standing type 2 diabetes: the Translating Research into Action for Diabetes (TRIAD) study. *BMC Endocr Disord.* 2012 Jul 9;12:12. PubMed PMID: 22776317; PubMed Central PMCID: PMC3433369.
95. Huang W, Zhu T, Pan X, Hu M, Lu SE, **Lin Y**, Wang T, Zhang Y, Tang X. Air pollution and autonomic and vascular dysfunction in patients with cardiovascular disease: interactions of systemic inflammation, overweight, and gender. *Am J Epidemiol.* 2012 Jul 15;176(2):117-26. PubMed PMID: 22763390; PubMed Central PMCID: PMC3493195.
96. Faiz AS, Rhoads GG, Demissie K, Kruse L, **Lin Y**, Rich DQ. Ambient air pollution and the risk of stillbirth. *Am J Epidemiol.* 2012 Aug 15;176(4):308-16. PubMed PMID: 22811493; PubMed Central PMCID: PMC3491970.

97. Smolarek AK, So JY, Burgess B, Kong AN, Reuhl K, **Lin Y**, Shih WJ, Li G, Lee MJ, Chen YK, Yang CS, Suh N. Dietary administration of δ - and γ -tocopherol inhibits tumorigenesis in the animal model of estrogen receptor-positive, but not HER-2 breast cancer. *Cancer Prev Res (Phila)*. 2012 Nov;5(11):1310-20. PubMed PMID: 22964476; NIHMSID: NIHMS405350; PubMed Central PMCID: PMC3491089.
98. Lu-Yao GL, Albertsen PC, Li H, Moore DF, Shih W, **Lin Y**, DiPaola RS, Yao SL. Does primary androgen-deprivation therapy delay the receipt of secondary cancer therapy for localized prostate cancer?. *Eur Urol*. 2012 Dec;62(6):966-72. PubMed PMID: 22608160; NIHMSID: NIHMS375091; PubMed Central PMCID: PMC3472155.
99. Lou Y, Peng Q, Li T, Nolan B, Bernard JJ, Wagner GC, **Lin Y**, Shih WJ, Conney AH, Lu Y. Oral caffeine during voluntary exercise markedly inhibits skin carcinogenesis and decreases inflammatory cytokines in UVB-treated mice. *Nutr Cancer*. 2013;65(7):1002-13. PubMed PMID: 24070239; NIHMSID: NIHMS510907; PubMed Central PMCID: PMC3830615.
100. Mehta MS, Dolfi SC, Bronfenbrener R, Bilal E, Chen C, Moore D, **Lin Y**, Rahim H, Aisner S, Kersellius RD, Teh J, Chen S, Toppmeyer DL, Medina DJ, Ganesan S, Vazquez A, Hirshfield KM. Metabotropic glutamate receptor 1 expression and its polymorphic variants associate with breast cancer phenotypes. *PLoS One*. 2013;8(7):e69851. PubMed PMID: 23922822; PubMed Central PMCID: PMC3724883.
101. Kim S, Moore DF, Shih W, **Lin Y**, Li H, Shao YH, Shen S, Lu-Yao GL. Severe genitourinary toxicity following radiation therapy for prostate cancer--how long does it last?. *J Urol*. 2013 Jan;189(1):116-21. PubMed PMID: 23164376; NIHMSID: NIHMS523804; PubMed Central PMCID: PMC3819428.
102. Shao YH, Moore DF, Shih W, **Lin Y**, Jang TL, Lu-Yao GL. Fracture after androgen deprivation therapy among men with a high baseline risk of skeletal complications. *BJU Int*. 2013 May;111(5):745-52. PubMed PMID: 23331464; NIHMSID: NIHMS426236; PubMed Central PMCID: PMC3625488.
103. Faiz AS, Rhoads GG, Demissie K, **Lin Y**, Kruse L, Rich DQ. Does ambient air pollution trigger stillbirth?. *Epidemiology*. 2013 Jul;24(4):538-44. PubMed PMID: 23676263.
104. So JY, Wahler JE, Yoon T, Smolarek AK, **Lin Y**, Shih WJ, Maehr H, Uskokovic M, Liby KT, Sporn MB, Suh N. Oral administration of a gemini vitamin D analog, a synthetic triterpenoid and the combination prevents mammary tumorigenesis driven by ErbB2 overexpression. *Cancer Prev Res (Phila)*. 2013 Sep;6(9):959-70. PubMed PMID: 23856074; NIHMSID: NIHMS507205; PubMed Central PMCID: PMC3767182.
105. Chang RL, Wood AW, Huang MT, Xie JG, Cui XX, Reuhl KR, Boyd DR, **Lin Y**, Shih WJ, Balani SK, Yagi H, Jerina DM, Conney AH. Mutagenicity and tumorigenicity of the four enantiopure bay-region 3,4-diol-1,2-epoxide isomers of dibenz[a,h]anthracene. *Carcinogenesis*. 2013 Sep;34(9):2184-91. PubMed PMID: 23671133; PubMed Central PMCID: PMC3765047.
106. Parekh N, **Lin Y**, Vadiveloo M, Hayes RB, Lu-Yao GL. Metabolic dysregulation of the insulin-glucose axis and risk of obesity-related cancers in the Framingham heart study-offspring cohort (1971-2008). *Cancer Epidemiol Biomarkers Prev*. 2013 Oct;22(10):1825-36. PubMed PMID: 24064521.

107. Chandran U, Zirpoli G, Ciupak G, McCann SE, Gong Z, Pawlish K, **Lin Y**, Demissie K, Ambrosone CB, Bandera EV. Does alcohol increase breast cancer risk in African-American women? Findings from a case-control study. *Br J Cancer*. 2013 Oct 1;109(7):1945-53. PubMed PMID: 24008665; PubMed Central PMCID: PMC3790168.
108. Blando J, Lu SE, Gu H, **Lin Y**, Marshall EG. Variability and trend of multiple blood lead measures among construction and manufacturing workers. *Occup Environ Med*. 2013 Nov;70(11):774-81. PubMed PMID: 23839661.
109. Chandran U, Zirpoli G, Ciupak G, McCann SE, Gong Z, Pawlish K, **Lin Y**, Demissie K, Ambrosone CB, Bandera EV. Racial disparities in red meat and poultry intake and breast cancer risk. *Cancer Causes Control*. 2013 Dec;24(12):2217-29. PubMed PMID: 24091794; NIHMSID: NIHMS529364; PubMed Central PMCID: PMC3873343.
110. Gezmu T, Schneider D, Demissie K, **Lin Y**, Gizzi MS. Risk factors for acute stroke among South Asians compared to other racial/ethnic groups. *PLoS One*. 2014;9(9):e108901. PubMed PMID: 25268987; PubMed Central PMCID: PMC4182514.
111. Chandran U, McCann SE, Zirpoli G, Gong Z, **Lin Y**, Hong CC, Ciupak G, Pawlish K, Ambrosone CB, Bandera EV. Intake of energy-dense foods, fast foods, sugary drinks, and breast cancer risk in African American and European American women. *Nutr Cancer*. 2014;66(7):1187-99. PubMed PMID: 25265504; NIHMSID: NIHMS624225; PubMed Central PMCID: PMC4201626.
112. Gezmu T, Schneider D, Demissie K, **Lin Y**, Giordano C, Gizzi MS. Lipid profiles and ischemic stroke risk: variations by sex within racial/ethnic groups. *Int J Womens Health*. 2014;6:585-95. PubMed PMID: 24940081; PubMed Central PMCID: PMC4051728.
113. Choi J, Ababon MR, Soliman M, **Lin Y**, Brzustowicz LM, Matteson PG, Millonig JH. Autism associated gene, engrailed2, and flanking gene levels are altered in post-mortem cerebellum. *PLoS One*. 2014;9(2):e87208. PubMed PMID: 24520327; PubMed Central PMCID: PMC3919719.
114. Shao YH, Kim S, Moore DF, Shih W, **Lin Y**, Stein M, Kim IY, Lu-Yao GL. Cancer-specific survival after metastasis following primary radical prostatectomy compared with radiation therapy in prostate cancer patients: results of a population-based, propensity score-matched analysis. *Eur Urol*. 2014 Apr;65(4):693-700. PubMed PMID: 23759328; NIHMSID: NIHMS490707; PubMed Central PMCID: PMC3825778.
115. Wen Y, Li J, Koo J, Shin SS, **Lin Y**, Jeong BS, Mehnert JM, Chen S, Cohen-Sola KA, Goydos JS. Activation of the glutamate receptor GRM1 enhances angiogenic signaling to drive melanoma progression. *Cancer Res*. 2014 May 1;74(9):2499-509. PubMed PMID: 24491800; NIHMSID: NIHMS563951; PubMed Central PMCID: PMC4008638.
116. Ding N, Cui XX, Gao Z, Huang H, Wei X, Du Z, **Lin Y**, Shih WJ, Rabson AB, Conney AH, Hu C, Zheng X. A triple combination of atorvastatin, celecoxib and tipifarnib strongly inhibits pancreatic cancer cells and xenograft pancreatic tumors. *Int J Oncol*. 2014 Jun;44(6):2139-45. PubMed PMID: 24647860; PubMed Central PMCID: PMC4063540.
117. Davidov T, Nagar M, Kierson M, Chekmareva M, Chen C, Lu SE, **Lin Y**, Chernyavsky V, Potdevin L, Arumugam D, Barnard N, Trooskin S. Carbonic anhydrase 4 and crystallin α -B immunoreactivity may distinguish

- benign from malignant thyroid nodules in patients with indeterminate thyroid cytology. *J Surg Res.* 2014 Aug;190(2):565-74. PubMed PMID: 24880201.
118. Lu-Yao GL, Albertsen PC, Moore DF, Shih W, **Lin Y**, DiPaola RS, Yao SL. Fifteen-year survival outcomes following primary androgen-deprivation therapy for localized prostate cancer. *JAMA Intern Med.* 2014 Sep;174(9):1460-7. PubMed PMID: 25023796.
119. Wu H, Schiff DS, **Lin Y**, Neboori HJ, Goyal S, Feng Z, Haffty BGI. Ionizing radiation sensitizes breast cancer cells to Bcl-2 inhibitor, ABT-737, through regulating Mcl-1. *Radiat Res.* 2014 Dec;182(6):618-25. PubMed PMID: 25409124.
120. Jin H, Chen JX, Wang H, Lu G, Liu A, Li G, Tu S, **Lin Y**, Yang CS. NNK-induced DNA methyltransferase 1 in lung tumorigenesis in A/J mice and inhibitory effects of (-)-epigallocatechin-3-gallate. *Nutr Cancer.* 2015;67(1):167-76. PubMed PMID: 25437343; NIHMSID: NIHMS660139; PubMed Central PMCID: PMC4363938.
121. Makarem N, **Lin Y**, Bandera EV, Jacques PF, Parekh N. Concordance with World Cancer Research Fund/American Institute for Cancer Research (WCRF/AICR) guidelines for cancer prevention and obesity-related cancer risk in the Framingham Offspring cohort (1991-2008). *Cancer Causes Control.* 2015 Feb;26(2):277-86. PubMed PMID: 25559553.
122. Li BI, Matteson PG, Ababon MF, Nato AQ Jr, **Lin Y**, Nanda V, Matisse TC, Millonig JH. The orphan GPCR, Gpr161, regulates the retinoic acid and canonical Wnt pathways during neurulation. *Dev Biol.* 2015 Mar 6;PubMed PMID: 25753732.
123. Lu-Yao GL, Albertsen PC, Moore DF, **Lin Y**, DiPaola RS, Yao SL. Fifteen-year Outcomes Following Conservative Management Among Men Aged 65 Years or Older with Localized Prostate Cancer. *Eur Urol.* 2015 Mar 20;PubMed PMID: 25800944.
124. Parekh N, Guffanti G, **Lin Y**, Ochs-Balcom HM, Makarem N, Hayes R. Insulin receptor variants and obesity-related cancers in the Framingham Heart Study. *Cancer Causes Control.* 2015 Aug;26(8):1189-95. doi: 10.1007/s10552-015-0613-5. Epub 2015 Jun 16.
125. Yue W, Zheng X, **Lin Y**, Yang CS, Xu Q, Carpizo D, Huang H, DiPaola RS, Tan XL. Metformin combined with aspirin significantly inhibit pancreatic cancer cell growth in vitro and in vivo by suppressing anti-apoptotic proteins Mcl-1 and Bcl-2. *Oncotarget.* 2015 Aug 28;6(25):21208-24
126. Lu-Yao G, Kim S, Moore D, Shih W, **Lin Y**, DiPaola R, Shen S, Zietman A, and Yao SL. Primary Radiotherapy versus Conservative Management for Localized Prostate Cancer - A Population-based Study. *Prostate Cancer and Prostatic Diseases.*, 2015 Dec;18(4):317-24. doi: 10.1038/pcan.2015.30. Epub 2015 Jun 23
127. Santorelli ML, Steinberg MB, Hirshfield KM, Rhoads GG, Bandera EV, **Lin Y**, Demissie K. Effects of breast cancer on chronic disease medication adherence among older women. *Pharmacoepidemiology and Drug Safety,* 2016 Aug;25(8):898-907. doi: 10.1002/pds.3971. Epub 2016 Feb 15
128. Yue W, Wang T, Zachariah E, **Lin Y**, Yang CS, Xu Q, Carpizo, DiPaola RS, Tan XL. Transcriptomic analysis of pancreatic cancer cells in response to metformin and aspirin: an implication of synergy. *Scientific Reports.* 2015 Aug 21;5:13390. Doi: 10.1038/srep13390

129. Das Gupta S, Sae-tan S, Wahler J, So JY, Bak MJ, Cheng LC, Lee MJ, **Lin Y**, Shih WJ, Shull JD, Safe S, Yang CS, Suh N. Dietary γ -Tocopherol-Rich Mixture Inhibits Estrogen-Induced Mammary Tumorigenesis by Modulating Estrogen Metabolism, Antioxidant Response, and PPAR γ . *Cancer Prev Res (Phila)*. 2015 Sep;8(9):807-16. doi: 10.1158/1940-6207.CAPR-15-0154. Epub 2015 Jun 30.
130. Llanos AA, Chandwani S, Bandera EV, Hirshfield KM, **Lin Y**, Ambrosone CB, Demissie K. Associations between sociodemographic and clinicopathological factors and breast cancer subtypes in a population-based study. *Cancer Causes Control*. 2015 Dec;26(12):1737-50. doi: 10.1007/s10552-015-0667-4. PubMed PMID: 26376894; PubMed Central PMCID: PMC4628597.
131. Lu-Yao GL, Moore DF, **Lin Y**, Rebbeck TR, Demissie K, Rotter D, McGuigan KA, D'Amico AV. Short-term outcomes of abiraterone in community settings, *Cancer Research*, 2016, 76 (14 Supplement), 4305-4305
132. Jimenez ME, Wade R Jr, **Lin Y**, Morrow LM, Reichman NE. Adverse Experiences in Early Childhood and Kindergarten Outcomes. *Pediatrics*, January 14, 2016; DOI: 10.1542/peds.2015-1839. PMID: 26768347
133. Santorelli ML, Hirshfield KM, Steinberg MB, Rhoads GG, **Lin Y**, Demissie K. Hormonal Therapy for Breast Cancer and Diabetes Incidence Among Postmenopausal Women. *Annals of Epidemiology*, 2016 Jun;26(6):436-40. doi: 10.1016/j.annepidem.2016.04.004. Epub 2016 Apr 12.
134. Makarem N, **Lin Y**, Bandera EV, Jacques P, Parekh N. Consumption of Total and Individual Sugars, Sugary Foods and Sugary Beverages in Relation to Adiposity-Related Cancer Risk in the Framingham Offspring Cohort (1991-2013). *The FASEB Journal*, April 2016, vol. 30 no. 1 Supplement 42.1
135. Makarem N, **Lin Y**, Bandera EV, Jacques P, Parekh N. Dietary Carbohydrate Intake, Glycemic Index and Glycemic Load in Relation to Adiposity-Related Cancer Risk: Results from The Framingham Offspring Cohort (1991-2013), *The FASEB Journal*, 2016, 30 (1 Supplement), 417.7-417.7
136. Yao KJ, Jabbour S, Parekh N., **Lin Y**, Moss RA. Increasing Mortality in the United States from Cholangiocarcinoma: an Analysis of the National Center for Health Statistics Database. *BMC Gastroenterol*. 2016 Sep 21;16(1):117.
137. Gupta SD, Wahler J, Bak MJ, Lee MJ, **Lin Y**, Shih WJ, Yang CS, Suh N. Dietary administration of δ - and γ -tocopherol inhibits estrogen-mediated mammary tumorigenesis in ACI rats, *Cancer Research*, 2016, 76 (14 Supplement), 5235-5235
138. Bak MJ, Gupta SD, Wahler J, Lee MJ, **Lin Y**, Shih WJ, Yang CS, Suh N. Protection of tocopherols against estrogen-induced breast cancer via mechanisms targeting cancer stem cells, *Cancer Research*, 2016, 76 (14 Supplement), 5237-5237
139. Tan XL, Yue W, Wang T, Carpizo D, **Lin Y**, Zheng X, Yang CS, Zhang L, Xu Q, DiPaola. RS. Metformin may function as an anti-cancer agent of pancreatic cancer via targeting RET signaling pathway, *Cancer Research*, 2016, 76 (14 Supplement), 1796-1796
140. Liu Z, Kundu-Roy T, Matsuura I, Wang G, **Lin Y**, Lou YR, Barnard NJ, Wang XF, Huang MT, Suh N, Liu F. Carcinogen 7,12-dimethylbenz[a]anthracene-induced mammary tumorigenesis is accelerated in Smad3 heterozygous mice compared to Smad3 wild type mice. *Oncotarget*. 2016 Oct 4;7(40):64878-64885. doi: 10.18632/oncotarget.11713

141. Jimenez ME, Wade R Jr, Schwartz-Soicher O, **Lin Y**, Reichman NE. Adverse Childhood Experiences and ADHD Diagnosis at Age 9 Years in a National Urban Sample. *Acad Pediatr*. 2017, 17(4), 356-361, pii: S1876-2859(16)30549-6. doi: 10.1016/j.acap.2016.12.009. [Epub ahead of print] PubMed PMID: 28003143.
142. Li BI, Ababon MR, Matteson PG, **Lin Y**, Nanda V, Millonig JH. Congenital Cataract in Gpr161vl/vl Mice Is Modified by Proximal Chromosome 15. *PLoS One*. 2017 Jan 30;12(1):e0170724. doi: 10.1371/journal.pone.0170724. PubMed PMID: 28135291; PubMed Central PMCID: PMC5279759
143. Gorshein E, Wei C, Ambrosy S, Budney S, Vivas J, Shenkerman A, Manago J, McGrath MK, Tyno A, **Lin Y**, Patel V, Gharibo M, Schaar D, Jenq RR, Khiabani H, Strair R. Lactobacillus rhamnosus GG probiotic enteric regimen does not appreciably alter the gut microbiome or provide protection against GVHD after allogeneic hematopoietic stem cell transplantation. *Clinical Transplantation* 2017, 31 (5), Mar 3. doi: 10.1111/ctr.12947. [Epub ahead of print] PMID: 28256022
144. E J-Y, Graber JM, Lu SE, **Lin Y**, Lu-Yao G, Tan XL. Effect of Metformin and Statin Use on Survival in Pancreatic Cancer Patients: a Systematic Literature Review and Meta-analysis. *Curr Med Chem*. 2017 Apr 12. doi: 10.2174/0929867324666170412145232. [Epub ahead of print]
145. Medina D, David K, **Lin Y**, Schaar D., Patel V, Gharibo M, Bannerji R, Walton K, Aisner J, Rabson A, Strair R. Choline-Magnesium Trisalicylate Modulates Acute Myelogenous Leukemia Gene Expression During Induction Chemotherapy. *Leukemia & Lymphoma*, 2017, 58:5, 1227-1230, DOI:10.1080/10428194.2016.1225206
146. Malhotra J, Rotter D, Jabbour S, Aisner J, **Lin Y**, Manne S, Demissie K. Receipt of recommended surveillance with imaging in survivors of early stage non-small cell lung cancer, *Journal of Clinical Oncology* 2017, 35 (15_suppl), 10017-10017.
147. Santorelli ML, Steinberg MB, Hirshfield KM, Rhoads GG, Bandera EV, **Lin Y**, Demissie K. Racial Differences in the Effects of Comorbidity on Breast Cancer Specific Survival. *Cancer Causes & Control*, 28 (8), 809-817, 2017 DOI: 10.1007/s10552-017-0915-x; <http://link.springer.com/article/10.1007/s10552-017-0915-x>
148. E J-Y, Lu SE, **Lin Y**, Graber JM, Rotter D, Zhang L, Petersen GM, Demissie K, Lu-Yao G, Tan XL. Differential and joint effects of metformin and statins on overall survival of elderly patients with pancreatic adenocarcinoma: a large population-based study. *Cancer Epidemiology, Biomarkers & Prevention*. 2017 Aug;26(8):1225-1232. doi: 10.1158/1055-9965.EPI-17-0227. Epub 2017 Jun 15.
149. Makarem N, Bandera EV, **Lin Y**, Jacques PF, Hayes RB, Parekh N. Carbohydrate Nutrition and Risk of Adiposity-Related Cancers: Results from the Framingham Offspring Cohort (1991-2013). *British Journal of Nutrition*, 2017 Jun;117(11):1603-1614. doi: 10.1017/S0007114517001489. Epub 2017 Jun 29
150. Makarem N, Bandera EV, **Lin Y**, McKeown N, Parekh N. Associations of Whole and Refined Grain Intakes with Adiposity-Related Cancer Risk in the Framingham Offspring Cohort (1991–2013). *The FASEB Journal*, 2017, 31 (1 Supplement), 789.5-789.5.
151. Parekh N, **Lin Y**, Freudenheim JL, Deierlein A. Associations of Birth-Related Factors With Adult Weight Status and Blood Pressure: Findings From the Longitudinal Framingham Offspring Cohort, *Nutrition and Cancer*, 2018 vol 70 No 5, 776-786

- 152.Llanos AAM, Rabkin A, Bandera EV, Zirpoli G, Gonzalez BD, Xing CY, Qin B, **Lin Y**, Hong CC, Demissie K, Ambrosone CB. Hair product use and breast cancer risk among African American and White women. *Carcinogenesis*. 2017 Jun 9. doi: 10.1093/carcin/bgx060. [Epub ahead of print] PMID: 28605409
- 153.Iglay K, Santorelli ML, Hirshfield KM, Williams JM, Rhoads GG, **Lin Y**, Demissie K. Diagnosis and treatment delays among elderly breast cancer patients with pre-existing mental illness, *Breast Cancer Research and Treatment*, 166(1), 265-275, 2017 Jul 19. doi: 10.1007/s10549-017-4399-x. [Epub ahead of print]
- 154.Liu AB, Tao S, Lee MJ, Meng X, **Lin Y**, Yang CS. Effects of gut microbiota and time of treatment on tissue levels of green tea polyphenols in mice. *Biofactors*. 2018 May 8. doi: 10.1002/biof.1430. [Epub ahead of print].
- 155.Bak MJ, Furmanski P, Shan NL, Lee HJ, Bao C, **Lin Y**, Shih WJ, Yang CS, Suh N. Tocopherols inhibit estrogen-induced cancer stemness and OCT4 signaling in breast cancer, *Carcinogenesis*, 2018 Vol 39, No. 8, 1045-1055, doi:10.1093/carcin/bgy071
- 156.Wen Y, Koo J, DeLeon M, Li J, Shan MNL, Isola AI, **Lin Y**, Cohen-Solal K, Chen S, Goydos JS. Metabotropic Glutamate Receptor 1 regulates pro-oncogenic exosome production to promote tumor growth, metastasis, and angiogenesis in melanoma. *Pigment Cell Melanoma Res*. 2017 (in press)
- 157.Das Gupta S, Patel M, Wahler J, Bak MJ, Wall B, Lee MJ, **Lin Y**, Shih WJ, Cai L, Yang CS, Suh N. Differential gene regulation and tumor-inhibitory activities of alpha-, delta- and gamma-tocopherols in estrogen-mediated mammary carcinogenesis. *Cancer Prevention Research*, 2017 Dec;10(12):694-703. doi: 10.1158/1940-6207.CAPR-17-0190. Epub 2017 Sep 28
- 158.Iglay K, Santorelli ML, Hirshfield KM, Williams JM, Rhoads GG, **Lin Y**, Demissie K. The Impact of Pre-existing Mental Illness on All-Cause and Breast Cancer-Specific Mortality in Elderly Breast Cancer Patients. *Journal of Clinical Oncology* . 2017 Dec 20;35(36):4012-4018. doi: 10.1200/JCO.2017.73.4947. Epub 2017 Sep 21.
- 159.Makarem N, Bandera EV, **Lin Y**, Jacques PF, Hayes RB, Parekh N. Consumption of Sugars, Sugary Foods and Sugary Beverages in Relation to Adiposity-Related Cancer Risk in the Framingham Offspring Cohort (1991-2013). *Cancer Prevention Research*. 2018 Apr 19. doi: 10.1158/1940-6207.CAPR-17-0218. [Epub ahead of print]
- 160.Jang TL, Patel N, Faiena I, Radadia KD, Moore DF, Elsamra SE, Singer EA, Stein MN, Eastham JA, Scardino PT, **Lin Y**, Kim IY, Lu-Yao GL. Comparative effectiveness of radical prostatectomy with adjuvant radiotherapy versus radiotherapy plus androgen deprivation therapy for men with advanced prostate cancer, *Cancer*. 2018 Sep 25. doi: 10.1002/cncr.31726. [Epub ahead of print]
- 161.Huang CC, Huang MS, Chung HJ, Chiu SY, Yadav P, **Lin Y**, Liu F, Matsuura I. Impaired mammary tumor formation and metastasis by the point mutation of a Smad3 linker phosphorylation site. *Biochim Biophys Acta Mol Basis Dis*. 2018 Nov;1864(11):3664-3671.

162. Makarem N, Bandera EV, **Lin Y**, McKeown NM, Hayes RB, Parekh N. Associations of Whole and Refined Grain Intakes with Adiposity-Related Cancer Risk in the Framingham Offspring Cohort (1991–2013). *Nutrition and Cancer*, 2018 Jul;70(5):776-786. doi: 10.1080/01635581.2018.1470647. Epub 2018 May 21.
163. Ran L, Liu AB, Lee MJ, Xie P, **Lin Y**, Yang CS. Effects of antibiotics on degradation and bioavailability of different vitamin E forms in mice. *Biofactors*. 2019 Jan 29. doi: 10.1002/biof.1492. [Epub ahead of print]
164. Rivera-Núñez Z, Barrett ES, Szamreta EA, Shapses SA, Qin B, **Lin Y**, Zarbl H, Buckley B, Bandera EV. Urinary mycoestrogens and age and height at menarche in New Jersey girls. *Environmental Health* (2019) 18:24 <https://doi.org/10.1186/s12940-019-0464-8>
165. Carpizo DR, Na B, Yu X, Withers T, Gilleran J, Yao M, Foo TK, Chen C, Moore D, **Lin Y**, Kimball SD, Xia B, Ganesan S. Therapeutic targeting of BRCA1 and TP53 Mutant Breast Cancer Through Mutant p53 Reactivation. *NPJ Breast Cancer*. 2019 Apr 15;5:14. doi: 10.1038/s41523-019-0110-1. eCollection 2019.
166. Meleis A, Jhawar SR, Weiner JP, Majmundar N, Mahtabfar A, **Lin Y**, Jabbour S, Danish S, Goyal S. Stereotactic Body Radiation Therapy in Nonsurgical Patients with Metastatic Spinal Disease and Epidural Compression: A Retrospective Review. *World neurosurgery*. 2019 Feb 1. Vol. 122. e198-e205
167. Szukis HA, Qin B, Xing CY, Doose M, Xu B, Tsui J, **Lin Y**, Hirshfield KM, Ambrosone CB, Demissie K, Hong CC, Bandera EV, Llanos AM. Factors Associated with Initial Mode of Breast Cancer Detection among Black Women in the Women's Circle of Health Study. *Journal of Oncology*, vol. 2019, Article ID 3529651, 2019. <https://doi.org/10.1155/2019/3529651>.
168. Zhang J, **Lin Y**, Zhang L. Trends in Alcoholic Fatty Liver Disease. *JAMA* 2019;322(10):979-980. doi:10.1001/jama.2019.10347
169. Kinney AY, Blair CK, Guest DD, Ani JK, Harding EM, Amorim F, Boyce T, Rodman J, Ford CG, Schwartz M, Rosenberg L, Foran O, Gardner J, **Lin Y**, Arap W, Irwin MR. Biobehavioral effects of Tai Chi Qigong in men with prostate cancer: Study design of a three-arm randomized clinical trial. To appear in *Contemporary Clinical Trials Communications*, 16 (2019) 100431
170. Xing CY, Doose M, Qin B, **Lin Y**, Plascak JJ, Omene C, He C, Demissie K, Hong CC, Bandera EV, Llanos AAM. Pre-Diagnostic Allostatic Load Predicts Poorly Differentiated and Larger Breast Tumors among Black Women: Findings from the Women's Circle of Health Follow-Up Study. To appear in *Cancer Epidemiology, Biomarkers & Prevention*.

Book Chapters:

1. Shih WJ, **Lin Y**. Traditional and modified algorithm-based designs for phase I cancer clinical trials. In *Statistical Methods for Dose-Finding Experiments* edited by S. Chevret, John Wiley & Sons, Ltd, 61-90, 2006.
2. Li H, Cui X, Greenawalt D.M, Hu G, Chimge NO, Pramanik S, Luo M, Wang HY, Tereshchenko IV, Azaro MA, **Lin Y**, Yang Q, Li JY, Chu Y, Lin Z, Gao R, Shen L, Decoste CJ, Shih WJ. Microarray Analysis of a Large Number of Single Nucleotide Polymorphisms in Individual Human Spermatozoa. In: *The Genetics of Male Infertility*, pp55-76. D. T. Carrell (ed.), Totowa, New Jersey: Humana Press, 2006.

Google Scholar Citation Index:

<https://scholar.google.com/citations?user=RLnu8-8AAAAJ&hl=en>

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