

Curriculum Vitae

DATE: August 20, 2022
NAME: Yong Lin, Ph.D.
PRESENT TITLE: Professor of Biostatistics (Tenured), 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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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 and Epidemiology, School of Public Health, Rutgers University
Professor July 2011 to present
- Biostatistics Share-resource, 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 1996

- President-elected, Princeton-Trenton Chapter, July 2018 to June 2019
- President, Princeton-Trenton Chapter, July 2019 to June 2020
- Representative, Princeton-Trenton Chapter, since July 2021
- International Biometrics Society (IBS)
 - Member since 1999
 - Poster judge for ENAR held at Atlanta in March 2018
 - Chair for a speed poster session of ENAR Virtual Spring Meeting in March 2020

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. Pavay 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, 23) British Journal of Cancer, 24) Statistical Papers

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 – December 2019
- 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 – Spring 2022)

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, Spring 2022
 - Advanced Theory of Biostatistics I: Fall 2005, Fall 2008, Fall 2013, Fall 2015, Fall 2016, Fall 2020
 - Advanced Theory of Biostatistics II: Spring 2006, Spring 2009, Spring 2014, Spring 2016, Spring 2017, Spring 2020, Spring 2021
 - 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”
- Yanping Chen (Ph.D. in Biostatistics), Spring 2020 (Co-advised with Dr. Shou-En Lu)
Thesis Title: “Two-stage Clinical Trial Designs with Survival Outcomes and Adjustment for Misclassification in Predictive Biomarkers”
- Jingyu Huang (Ph.D. in Biostatistics), Summer 2021 (Co-advised with Dr. Weichung Joe Shih)
Thesis Title: “Current Topics on Treatment Comparison for Survival Endpoints with Non-Proportional Hazard”
- Peng Zhang (Ph.D. in Biostatistics), Spring 2022 (Co-advised with Dr. Weichung Joe Shih)
Thesis Title: “Monitoring Ongoing Clinical Trials Under Fractional Brownian Motion With Drift”
- 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 ProscarTM 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”
 - Filippa Juul (Ph.D. student in Department of Public Health Nutrition, NYU College of Global Public Health), Summer 2020
- Thesis Title “Consumption of Processed Food and Its Associations with Diet Quality and Cardiovascular Disease in US Populations”
 - Wei Wang, (Ph.D. student in Biostatistics), Summer 2020
- Thesis Title “The Divide-and-Combine Approaches for Multivariate Survival Analysis and Multistate Survival Analysis in Big Data”
- Member of Thesis Committee of Graduated DrPH Student
 - Susan Huyck (DrPH in Biostatistics), Fall 2009
 - Thesis Title: “Modeling times of maximum biomarker excretion”
- Academic Advisor of Graduated Doctoral and MS Students
 - Rui Li; Shaocheng Peng; Shihui Qu; Manhubub Rabbani; Linda Ritchie; Wensheng Liu; Zhong Lai
- 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 States”
 - Xiaoqing Lin, graduated in Summer 2021
 - Paper title: “Impact of 2015 ATA guideline to Rate of Hemithyroidectomy”
 - Wenting Wei, graduated in Fall 2021
 - Paper title: “House Sale Prices Prediction by Advanced Regression Techniques”

- 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:
 - Bridge D. Murphy (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
- Summer 2022: Weiyi Xia, Chang Xu
- Member and Coordinator of Doctoral Preliminary Examination Committee:
 - Spring 2015: Jingyu Huang, Joshua Longcoy, Jian Wang, Heng Zou
 - Spring 2016: Rui Li

CLINICAL RESPONSIBILITIES: NA

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 5% Effort
Role : Biostatistician
2. Evolution and clinical impact of clonal hematopoiesis of indeterminate potential in breast tumor microenvironment
R01CA233662 Khiabanian (PI) 5/1/2019 – 4/30/2024
Total: \$642,911/year 5% Effort
Role: co-investigator
3. The role of glutaminolysis as a therapeutic target in T-ALL
R01CA236936 Herranz Benito (PI) 7/1/2019 – 6/30/2024
Total: \$363,713/year 5% Effort
Role: co-investigator
4. A Multi-Level Investigation of US Indoor Tanning Policy Enactment, Implementation, Compliance, Impact, and Economics
NIH/NCI R01 1R01CA244370 Heckman/Buller (PIs) 6/1/2020-5/31/2025
Total: \$519,672/ year 10% Effort
Role: Co-investigator
5. WRIISC as a Model of Care for Chronic Multi-symptom Illness.
Veterans Affairs Yong Lin (PI) 11/1/2020 – 10/31/2023
Role: Principal Investigator (10% Effort)
6. A novel strategy targeting TP63 for breast cancer prevention
NIH/NCI R03 CA259650-01A1 Nanjoo Suh (PI) 04/1/2022-03/31/2024
Total: \$157,000 3% Effort
Role: Co-investigator

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

- | | |
|----------------------------------|-------------------------|
| 7. NIH/NIMHD K99/R00 (NIH/NCI) | 08/14/2018 – 06/30/2023 |
| MD013300 (Bo Qin, PI) | In-kind |
| Total: \$945,509 | |
| Role: Mentor/Statistical support | |

Previous:

- | | |
|---|---------------------|
| 1. Inhibition of Carcinogenesis by Tea and Tea Constituents (NCI) | 09/17/01 - 08/31/06 |
| 1P01CA088961-01A1 (C.S. Yang, PI) | |
| Total: \$1,097,872 | 25% Effort |
| Role: Biostatistician | |
| 2. Functional Studies of the Top 1-Binding Protein Topors (NCI) | 08/01/03-07/31/08 |
| R1CA99951B (Eric Rubin, PI) | |
| Total: \$1,307,803 | 5% Effort |
| Role: Co-Investigator | |
| 3. Cancer Center Support Grant (NIH/NCI) | 03/01/00 – 2/28/05 |
| P30CA072720C (Williams Hait, PI) | |
| Total : \$16,109,040 | 50% Effort |
| Role: Biostatistician | |
| 4. Research Center in Environmental Health Sciences (NIH/NIEHS) | 04/01/03-04/01/08 |
| ES005022 (Michael, Gallo, PI) | |
| Total: \$6,999,342 | 10% Effort |
| Role: Co-Investigator | |
| 5. Metabolic Syndrome & Cancer Mortality (NCI) | 09/24/07-08/31/09 |
| PCA132127A (Grace Lu-Yao, PI) | |
| Total: \$156,000 | 3% Effort |
| Role: Co-Investigator | |
| 6. Effect of Caffeine on UVB-induced Skin Cancer (NCI) | 07/01/06-05/31/11 |
| R01CA114442 (Allan Conney, PI) | |
| Total: \$1,014,150 | 10% Effort |
| Role: Co-Investigator | |
| 7. Conservation of Meiotic Recombination Sites in the Human Genome (GM/NIH) | 04/01/08-02/28/12 |
| R01GM081878 (Honghua Li, PI) | |
| Total: \$800,000 | 5% Effort |
| Role: Co-Investigator | |
| 8. Validation of Grm1 as a Therapeutic Target in Melanoma (NCI) | 07/10/07-05/31/12 |
| RCA124975A (James Goydos, PI) | |

- 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) 04/01/2011-03/31/2016
 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
20. Wisconsin and New Jersey alliance in precision experimental therapeutics (NIH/NCI) 3/19/2014 -2/29/2020
5UM1CA186716-05 (Janice Mehnert, PI) 5% Effort
Total (Year 2019): \$966,949
Role: co-investigator
21. FILIP1L inhibits ovarian cancer metastasis through inhibition of WNT signaling
DOD W81XWH-15-1-0369 (Steven Libutti, PI) 09/01/15-09/30/19
Total: \$757,477 5% Effort
Role: co-investigator
22. NCI-Career Development Award K07 (NIH/NCI) 08/01/2015 – 07/31/2020
CA190541 (Xianglin Tan, PI) In-kind
Total: \$852,703
Role: Mentor
23. 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
24. Biobehavioral Effects of Tai Chi Qigong for Prostate Cancer Survivors with Fatigue (NCI)
R01 CA203930 (Anita Kinney, PI) 12/1/2018 – 11/20/2021
Total: \$609,765 (for 2020) 7% Effort
Role: Co-Investigator
25. Genetic Risk Assessment for Cancer Education and Empowerment (GRACE) (NCI)
R01 CA211625 (Anita Kinney, PI) 12/1/2018 – 11/20/2021
Total: \$617,348 (for 2020) 10% Effort
Role: Co-Investigator

26. Modifying Young Adult Skin Cancer Risk and Protective Behaviors (UV4.me2): A Hybrid Type Dissemination/Effectiveness Trial
 NIH/NCI R01 CA204271-01A1 Heckman/Buller (PIs) 12/2016-11/2021
 Total: 2.5% Effort
 Role: Co-investigator

PUBLICATIONS:

Peer-reviewed Papers:

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. 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.
5. **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.
6. 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.
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.
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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.
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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
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21. Two-stage enrichment clinical trial design with adjustment for misclassification in predictive biomarkers, 2018 Joint Statistical Meetings in Vancouver, BC, Canada
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24. Two-Stage Design for Single-arm Phase II Cancer Clinical Trials with Two Alternative Primary Endpoints, 2020 Joint Statistical Meetings (virtual).
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