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EDUCATION

Ph.D., Statistics, University of Wisconsin-Madison, 2008
M.S., Statistics, University of Wisconsin-Madison, 2006
M.S., Statistics, National Chengchi University, Taipei, Taiwan, 1999
B.A., Business Mathematics, Soochow University, Taipei, Taiwan, 1997

EMPLOYMENT

Research Professor Department of Biostatistics, University of North Carolina at Chapel Hill	2022 - present
Research Associate Professor Department of Biostatistics, University of North Carolina at Chapel Hill	2017 - 2022
Research Assistant Professor Department of Biostatistics, University of North Carolina at Chapel Hill	2012 - 2017
Postdoctoral Research Associate NC TraCS Institute, Home of the UNC-CH Clinical and Translational Science Awards (CTSA), University of North Carolina at Chapel Hill	2009 - 2012
Postdoctoral Research Associate Dr. HuiChuan Lai's Lab, Department of Nutritional Sciences, University of Wisconsin-Madison	2008 - 2009
Research Assistant Dr. HuiChuan Lai's Lab, Department of Nutritional Sciences, University of Wisconsin-Madison	2008
Project Assistant General Clinical Research Center (GCRC), University of Wisconsin-Madison	2006 - 2007
Research Assistant Institute of Statistical Science, Academia Sinica, Taipei, Taiwan	2003 - 2004
Research Assistant Election Study Center, National Chengchi University, Taipei, Taiwan	1997 - 2001
Statistical Consultant Statistical Extension and Research Center, National Chengchi University, Taipei, Taiwan	1997 - 1998

PUBLICATIONS (PEER REVIEWED, JOURNAL)

1. Yue JC, Clayton MK, **Lin FC**. A nonparametric estimator of species overlap. *Biometrics*. 2001; 57(3):743-749. PMID: 11550923.
2. **Lin FC**, Fine JP. Pseudo martingale estimating equations for modulated renewal process models. *J. R. Statist. Soc. Ser. B*. 2009; 71(1):3-23.
3. **Lin FC**. A random effects epidemic-type aftershock sequence model. *Computational Statistics and Data Analysis*. 2011; 55(1):1610-1616. PMID: 24039322; PMCID: PMC3770286.
4. Machlus KR, **Lin FC**, Wolberg AS. Procoagulant activity induced by vascular injury determines contribution of elevated factor VIII to thrombosis and thrombus stability in mice. *Blood*. 2011; 118(14):3960-3968. PMID: 21828144; PMCID: PMC3193271.
5. Song MK, Gilet CA, **Lin FC**, MacHardy N, DeVito Dabbs AJ, Fine JP, Stalberg KD, Fuller E 3rd. Characterizing daily life experience of patients on maintenance dialysis. *Nephrology Dialysis Transplantation*. 2011; 26(11):3671-3677. PMID: 21382996; PMCID: PMC3247796.
6. Park JJ, Akazawa M, Ahn J, Beckman-Harned S, **Lin FC**, Lee K, Fine JP, Davis RT, Langevin H. Acupuncture sensation during ultrasound guided acupuncture needling. *Acupuncture in Medicine*. 2011; 29(4):257-265. PMID: 21642648; PMCID: PMC4196666.
7. **Lin FC**, Zhu J. Additive hazards regression and partial likelihood estimation for ecological monitoring data across space. *Statistics and its Interface*. 2012; 5(2):195-206. PMID: 24319528; PMCID: PMC3849836.
8. Elrefaei M, Boose K, McGee M, Tarrant TK, **Lin FC**, Fine JP, Schmitz JL. Second generation automated anti-CCP test better predicts the clinical diagnosis of rheumatoid arthritis. *Journal of Clinical Immunology*. 2012; 32(1):131-137. PMID: 22072115.
9. Lin JT, Juliano JJ, Kharabora O, Sem R, **Lin FC**, Muth S, Mnard D, Wongsrichanalai C, Rogers WO, Meshnick SR. Individual Plasmodium vivax msp1 variants within polyclonal P. vivax infections display different propensities for relapse. *Journal of Clinical Microbiology*. 2012; 50(4):1449-1451. PMID: 22205791; PMCID: PMC3318509.
10. Song MK, Ward SE, **Lin FC**. End-of-life decision-making confidence in surrogates of African-American dialysis patients is overly optimistic. *Journal of Palliative Medicine*. 2012; 15(4):412-417. PMID: 22468770; PMCID: PMC3322516.
11. **Lin FC**, Zhu J. Continuous-time proportional hazards regression for ecological monitoring data. *Journal of Agricultural, Biological, and Environmental Statistics*. 2012; 17(2):163-175. PMID: 24319326; PMCID: PMC3849820.
12. Viera AJ, **Lin FC**, Hinderliter AL, Shimbo D, Person SD, Pletcher MJ, Jacobs DR Jr. Nighttime blood pressure dipping in young adults and coronary artery calcium 10-15 years later: the Coronary Artery Risk Development in Young Adults Study. *Hypertension*. 2012; 59(6):1157-1163. PMID: 22547435; PMCID: PMC3369268.
13. Gross MT, Mercer VS, **Lin FC**. Effects of foot orthoses on balance in older adults. *Journal of Orthopaedic & Sports Physical Therapy*. 2012; 42(7):649-657. PMID: 22282317.
14. Song MK, Ward SE, Hanson LC, **Lin FC**, Hamilton JB, Hladik G, Fine JP, Bridgman JC, Sun SK, Miles MS. Psychological symptoms and end-of-life decision-making confidence in surrogate decision makers of dialysis patients. *Journal of Nephrology Social Work*. 2012; 37:24-30. PMID: 25242897; PMCID: PMC4169048.

15. Cene CW, Loehr L, **Lin FC**, Hammond WP, Foraker RE, Rose K, Mosley T, Corbie-Smith G. Social isolation, vital exhaustion, and incident heart failure: Findings from the Atherosclerosis Risk in Communities Study. *European Journal of Heart Failure*. 2012; 14(7):748-753. PMID: 22588323; PMCID: PMC3380545.
16. Marchi R, Walton BL, McGary CS, **Lin FC**, Ma AD, Pawlinski R, Mackman N, Campbell RA, Di Paola J, Wolberg AS. Dysregulated coagulation associated with hypofibrinogenemia and plasma hypercoagulability: Implications for identifying coagulopathic mechanisms in humans. *Thrombosis and Haemostasis*. 2012; 108(3):516-526. PMID: 22836883; PMCID: PMC3627352.
17. Chiu CK, Ferreira J, Luo TJM, Geng H, **Lin FC**, Ko CC. Direct scaffolding of biomimetic hydroxyapatite-gelatin nanocomposites using aminosilane cross-linker for bone regeneration. *Journal of Materials Science: Materials in Medicine* 2012; 23(9):2115-2126. PMID: 22669282; PMCID: PMC3509178.
18. Geller EJ, **Lin FC**, Matthews CA. Analysis of robotic performance times to improve operative efficiency. *Journal of Minimally Invasive Gynecology*. 2013; 20(1):43-48. PMID: 23141423.
19. **Lin FC**, Cai J, Fine JP, Lai HJ. Nonparametric estimation of the mean function for recurrent event data with missing event category. *Biometrika*. 2013; 100(3):727-740. PMID: 24415792; PMCID: PMC3887139.
20. Robinson BL, Matthews CA, Palsson OS, Geller E, Turner M, Parnell B, Crane A, Jannelli M, Wells E, Connolly A, **Lin FC**, Whitehead WE. Obstetric sphincter injury interacts with diarrhea and urgency to increase the risk of fecal incontinence in women with irritable bowel syndrome. *Female Pelvic Medicine & Reconstructive Surgery*. 2013; 19(1):40-45. PMID: 23321658; PMCID: PMC3920582.
21. Song MK, **Lin FC**, Ward SE, Fine JP. Composite variables: When and How. *Nursing Research*. 2013; 62(1):45-49. PMID: 23114795.
22. Snyder EA, Caprio AJ, Wessell K, **Lin FC**, Hanson LC. Impact of a decision aid on surrogate decision-makers' perceptions of feeding options for patients with dementia. *Journal of American Medical Directors Association*. 2013; 14(2):114-118. PMID: 23273855; PMCID: PMC3563876.
23. Cene CW, Haymore LB, Dolan-Soto D, **Lin FC**, Pignone M, Dewalt DA, Wu JR, Jones CD, Corbie-Smith G. Self-care confidence mediates the relationship between perceived social support and self-care maintenance in adults with heart failure. *Journal of Cardiac Failure*. 2013; 19(3):202-210. PMID: 23482082; PMCID: PMC3596888.
24. Esther CR, Olsen BM, **Lin FC**, Fine JP, Boucher RC. Exhaled breath condensate adenosine tracks lung function changes in cystic fibrosis. *American Journal of Physiology – Lung Cellular and Molecular Physiology*. 2013; 304(7):L504-509. PMID: 23355385; PMCID: PMC3627937.
25. Narkbunnam N, Sun J, Hu G, **Lin FC**, Mihara M, Monahan PE. IL-6 receptor antagonist as adjunctive therapy with clotting factor replacement to protect against bleeding-induced arthropathy in hemophilia. *Journal of Thrombosis and Haemostasis*. 2013; 11(5):881-893. PMID: 23413986; PMCID: PMC3656980.
26. Aragam NR, Thayer KM, Nge N, Hoffman I, Martinson F, Kamwendo D, **Lin FC**, Sutherland C, Bailey JA, Juliano JJ. Diversity of T cell epitopes in Plasmodium falciparum circumsporozoite protein likely due to protein-protein interactions. *PLoS ONE*. 2013; 8(5):e62427. PMID: 23667476; PMCID: PMC3646838.

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39. Ersek M, Sefcik JS, **Lin FC**, Lee TJ, Gilliam R, Hanson LC. Provider staffing effect on a decision aid intervention. *Clinical Nursing Research* 2014; 23(1):36-53. PMID: 23291316; PMCID: PMC4393653.

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41. Austin CA, Hanzaker C, Stafford R, Mayer C, Culp L, **Lin FC**, Chang L. Utilization of rapid response resources and outcomes in a comprehensive cancer center. *Critical Care Medicine*. 2014; 42(4):905-909. PMID: 24361969; PMCID: PMC7887929.
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46. Viera AJ, **Lin FC**, Tuttle LA, Olsson E, Stankevitz K, Girdler SS, Klein JL, Hinderliter AL. Reproducibility of masked hypertension among adults 30 years and older. *Blood Pressure Monitoring*. 2014; 19(4):208-215. PMID: 24842491; PMCID: PMC4625914.
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52. Cene CW, Haymore LB, **Lin FC**, Laux J, Jones CD, Wu JR, DeWalt D, Pignone M, Corbie-Smith G. Family member accompaniment to routine medical visits is associated with better self-care in heart failure patients. *Chronic Illness*. 2015; 11(1):21-32. PMID: 24740555; PMCID: PMC8099456.

53. Song MK, Ward SE, Fine JP, Hanson LC, **Lin FC**, Hladik GA, Hamilton JB, Bridgman JC. Advance care planning and end-of-life decision making in dialysis: A randomized controlled trial targeting patients and their surrogates. *American Journal of Kidney Diseases*. 2015; 66(5):813-822. PMID: 26141307; PMCID: PMC5972830.
54. Lawing CR, **Lin FC**, Dahners LE. Local injection of aminoglycosides for prophylaxis against infection in open fractures. *Journal of Bone and Joint Surgery*. 2015; 97(22):1844-1851. PMID: 26582614; PMCID: PMC4642229.
55. Ritchwood T, Roman M, Corbie-Smith G, Blumenthal C, Velloza J, Odulana A, **Lin FC**, Akers AY. Adolescents and parental caregivers as lay health advisers in a community-based risk reduction intervention for youth: baseline data from *Teach One, Reach One*. *AIDS Care*. 2016; 28(4):537-542. PMID: 26573538; PMCID: PMC4764414.
56. Kalich BA, Maguire JM, Campbell-Bright SL, Mehrotra A, Caffey T, Tulu Z, **Lin FC**, Carson SS. Impact of an antibiotic-specific sepsis bundle on appropriate and timely antibiotic administration for severe sepsis in the emergency department. *Journal of Emergency Medicine*. 2016; 50(1):79-88.e1. PMID: 26452597
57. Song MK, Ward SE, **Lin FC**, Hamilton JB, Hanson LC, Hladik G, Fine JP. Racial differences in outcomes of an advance care planning intervention for dialysis patients and their surrogates. *Journal of Palliative Medicine*. 2016; 19(2):134-142. PMID: 26840848; PMCID: PMC4753624.
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65. Wu CY, Chiou TJ, Liu CY, **Lin FC**, Lin JS, Hung MH, Hsiao LT, Yen CC, Gau JP, Yen HJ, Hung GY, Hsu HC, Tzeng CH, Liu JH, Yu YB. Decision-tree algorithm for optimized hematopoietic progenitor cell-based predictions in peripheral blood stem cell mobilization. *Transfusion*. 2016; 56(8):2042-2051. PMID: 27232662.

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183. Dobson DA, Holle LA, **Lin FC**, Huffman JE, Luyendyk JP, Flick MJ, Smith NL, de Vries PS, Morrison AC, Wolberg AS. Functional characterization of loci associated with circulating fibrinogen levels. 2022; revision submitted on 10/6.
184. Feinstein SD, Pallitto PM, Draeger RW, Van Buren ED, **Lin FC**, Patterson JM, Chen AT, Gomez VG, Amendola AN, Kamath GV. Defining general orthopedics in the setting of increased subspecialization throughout orthopedic surgery. 2022; in revision, updated on 9/15.
185. Barber AT, Shapiro AJ, Davis SD, Ferkol TW, Atkinson JJ, Sagel SD, Dell SD, Olivier KN, Milla CE, Rosenfeld M, Li L, **Lin FC**, Sullivan KM, Capps NA, Zariwala MA, Knowles MR, Leigh MW, Genetic Disorders of Mucociliary Clearance Consortium (GDMCC). Laterality defects in primary ciliary dyskinesia: Relationship to ultrastructural defect or genotype. 2022; in revision, updated on 9/26.
186. Ostrum RF, Ritter V, **Lin FC**, Miller A. Fixation of humerus shaft fractures in polytrauma patients does not improve short-term outcomes. 2022; in revision, updated on 10/16.
187. Lalli TAJ, **Lin FC**, Zhang J. The triplanar hallux abducto valgus classification system: Is it valid? 2022; submitted on 6/30.
188. Sefton C, Keen S, Tybout C, **Lin FC**, Jiang H, Joodi G, Williams J, Simpson RJ. Characteristics of sudden death by clinical criteria. 2022; submitted on 7/26.
189. Kappelman MD, Lewis JD, Zhang X, **Lin FC**, Weisbein L, Chen W, Burris J, Dorand JE, Parlett LE, Haynes K, Nair V, Kaul A, Dobes A, Long MD. A comparison of patient reported outcomes among anti-TNF experienced patients with Crohn's disease initiating Vedolizumab versus Ustekinumab. 2022; submitted on 7/27.
190. De Vuyst R, Jalazo E, Tsujimoto THM, **Lin FC**, Muenzer J, Muhlebach MS. Airway findings in patients with Hunter syndrome treated with intravenous idursulfase: A retrospective analysis of airway evaluations over 10 years. 2022; submitted on 7/29.
191. Wendlandt B, Poncgracz L, **Lin FC**, Toles M, Gaynes BN, Hanson L, Carson S. PTSD symptom trajectories in family caregivers of patients with acute cardiorespiratory failure: A prospective cohort study. 2022; submitted on 8/30.
192. Zehden JA, Ghosh A, Soundararajan S, Tsujimoto THM, **Lin FC**, Blahnik T, Fleischman D, Zhang AY. The effect of a brief, unplanned treatment delay on neovascular age-related macular degeneration patients: A retrospective cohort study. 2022; submitted on 9/4.
193. Wikstrom, EA, Cain MS, Song K, Pietrosimone BG, Blackburn JT, Franz JR, Migel K, Jang J, **Lin FC**. Plantar massage but not ankle mobilization reduces visual reliance in those with chronic ankle instability: A randomized controlled trial. 2022; submitted on 9/7.

194. Furdock RJ, Benedick AJ, **Lin FC**, Hao Y, Sanders JO, Cooperman DR, Liu RW. Evaluation of calibration methods for development of skeletal maturity systems. 2022; submitted on 9/19.
195. Murphy JD, Epplein M, **Lin FC**, Troester M, Nichols HB, Butt J, Pan K, You W, Olshan A. Discrimination between precancerous gastric lesions and gastritis using a gastric cancer risk stratification model. 2022; submitted on 10/6.
196. Waltz M, Yan H, Cadigan RJ, Canter C, Bensen JT, Conway C, Englert-Haldeman C, Farnan L, Foreman AKM, Grant TL, Leach B, **Lin FC**, Mahla M, O'Daniel JM, O'Neill SC, Smith G, Powell BC, Berg JS, Rini C. Question prompt lists and parental question asking in pediatric specialty appointments: A randomized control trial. 2022; submitted on 10/7.
197. Orr CJ, Bility M, Ritter VS, Flower KB, Perrin EM, Yin HS, Sanders LM, Rothman RL, Delamater AM, **Lin FC**, Schilling S. Daily tummy time at 2- and 4-months and healthy BMI at 24 months. 2022; submitted on 10/8.
198. Sainathan S, Said S, Tsujimoto THM, **Lin FC**, Mullinari L, Sharma M. Impact of occurrence of cardiac arrest in the donor on long-term outcomes of pediatric heart transplantation. 2022; submitted on 10/12.
199. Higgins S, Cowley ES, Paterson C, Hanson ED, Dave GJ, Meyer ML, **Lin FC**, Gibbs BB, Vu M, Stoner L. Protocol for a study on sitting with interruption and whole-body cardiovascular health (SWITCH) in middle-aged adults. 2022; submitted on 10/13.
200. Paterno AV, Nash A, Lachiewicz A, Zhang J, **Lin FC**, Ostrum R. A comparison of Piperacillin-Tazobactam to conventional antibiotics for prophylaxis in Type III open fractures. 2022; submitted on 10/17.

PUBLICATIONS (NON-PEER REVIEWED LETTERS, ABSTRACTS, EDITORIALS, and COMMENTARY)

1. Wang HC, Doong HS, **Lin FC**. Determinants of e-government service adoption: An innovation diffusion perspective. *2007 International Conference on Wireless Communications, Networking and Mobile Computing, WiCOM 2007*; 2007: 3453-3456.
2. Viera AJ, **Lin FC**, Shimbo D, Jacobs DR Jr. Response to is the atherosclerotic risk of extreme dipping in youth partly explained by exaggerated morning surge? *Hypertension* 2012; 60: e20-e21.
3. Berne MLZ, **Lin FC**, Wu TH, Li Y, Chien E, Ko CC. Machine learning in Orthodontics: A new approach to the extraction decision. *Machine Learning in Dentistry*. 2021; 79-90. https://doi.org/10.1007/978-3-030-71881-7_7.
4. Palsson OS, Tack JF, Simren M, Le Nevé B, Quinquis L, Ruddy J, Schmulson Wasserman MJ, Bangdiwala SI, Morris CB, **Lin FC**, Drossman DA. Prevalence and associated factors of bloating and distention symptoms in the general population: findings of a survey in three countries. *Gastroenterology*. 2022; 162(7):S-924-S-925. [https://doi.org/10.1016/S0016-5085\(22\)62196-6](https://doi.org/10.1016/S0016-5085(22)62196-6).

PUBLICATIONS (IN PREPARATION)

1. Lee MH, **Lin FC**, Shih YS. Survival trees for discrete-time data. 2022; in preparation.
2. **Lin FC**, Li Y, Thota S, Mirzaei M, Joodi G, Simpson RJ. Identification of sudden unexpected deaths using death certificate data. 2022; in preparation.

3. Keen S, Shartle K, Thota S, **Lin FC**, Simpson RJ. Sex differences in cardiovascular risk and guideline-based preventive medication use among sudden death victims. 2022; in preparation.
4. Griffin AC, Mentch L, **Lin FC**, Chung AE. Precision VISSTA study: mHealth physical activity clusters and patient-reported outcomes in patients with inflammatory bowel diseases. 2022; in preparation, updated on 10/4.
5. Dave G, Brooks JL, Ajazi L, Hoover S, Wolfe M, Frerichs L, Villa-Torres L, **Lin FC**, Hamilton M, Jessup H, Bess K, Wynn M, McFarlin S, Giscombe C, McFarlin S, Corbie-Smith G. Cardiovascular outcomes of an adapted evidence-based intervention for rural African Americans: A cluster randomized trial. 2022; in preparation, updated on 10/5.
6. Swartzwelder RA, Zarnick S, Tsujimoto THM, **Lin FC**, Horne T, Edwards J, Amos E, Alexander J, Thorp J, Jones HE, Knittel AK. Neonatal outcomes following medications for opioid use disorder during pregnancy in a state women's prison facility, 2016-2019. 2022; in preparation, updated on 9/29.
7. Kennedy S, Carmack S, Li L, **Lin FC**, Hatch JE, Noah TL. A pilot study of integrating personal coaching for wellbeing into a faculty mentoring program. 2022; in preparation, updated on 10/4.
8. Allison BA, Flower KB, Ritter VS, **Lin FC**, Perry MF. Trends in adolescent initiation and continuation of long-acting reversible contraception. 2022; in preparation, updated on 10/4.
9. Allison BA, Ritter VS, **Lin FC**, Flower KB, Perry MF. Effects of a 2014 AAP policy statement on the initiation of long-acting reversible contraception. 2022; in preparation, updated on 10/4.
10. Angelino AC, Bell R, Qiu H, **Lin FC**, Perry M. Cultural connection and mental health for American Indian adolescents. 2022; in preparation, updated on 9/28.
11. Kaspy KR, Dell SDM, Davis SD, Ferkol TW, Rosenfeld M, Sagel S, Milla C, Olivier KN, **Lin FC**, Lang L, Rampakakis E, Zariwala MA, Knowles M, Leigh M, Shapiro AJ. Situs ambiguus is associated with adverse clinical outcomes in children with primary ciliary dyskinesia 2022; in preparation, updated on 8/5.
12. Stoll KE, Narayanan AS, Pratson LK, **Lin FC**, Spang JT, Creighton RA, Kamath GM. Patient grit correlates with postoperative functional and pain scores following rotator cuff repair. 2022; in preparation, updated on 6/6.
13. Balkam C, Jeffs A, Paterno A, **Lin FC**, Hao Y, Esther R. The words we use: Letters of recommendation written for male and female applicants to orthopedic surgery residency do not explain the paucity of women in orthopedic surgery. 2022; in preparation.
14. Paranjape C, Zhang J, **Lin FC**, Lalli TAJ, Tennant J. Cost, radiographic, and patient-reported outcomes of modified lapidus technique with crossed lag screws. 2022; in preparation, updated on 9/6.
15. Golden ML, Barnes RH, Visco ZR, Hu D, **Lin FC**, Creighton RA, Spang JT, Ganesh VK. The impact of insurance status on pediatric access to care with ACL tears. 2022; in preparation, updated on 6/9.
16. Rapp T, Amagai K, Sinai C, Ngalasa S, Basham C, Said H, Muller MS, Chhetri SB, Francois R, Odas M, Juliano JJ, Loya M, **Lin FC**, Ngalasa B, Lin JT. The submicroscopic malaria reservoir in coastal Tanzania. 2022; in preparation.

17. Rubinstein B, Mei W, Cassidy C, Streeter G, Basham C, Cerami C, **Lin FC**, Lin J, Mollan K. Transmission prevention behaviors in US households with SARS-CoV-2 cases in the first year of the COVID pandemic. 2022; in preparation.

INVITED TALKS AND LECTURES

1. “Classification of disease progression via recurrent biomarkers using EM algorithm”:
 - Computational and Methodological Statistics (CMStatistics), Virtual Conference, December 19-21, 2020. (Presented by Huijun Jiang)
2. “Analysis of cyclic recurrent event data with multiple event types”:
 - Computational and Methodological Statistics (CMStatistics), Senate House University of London, United Kingdom, December 14-16, 2019.
3. “Classification of competing risk outcomes via transition likelihoods”:
 - Computational and Methodological Statistics (CMStatistics), University of Pisa, Italy, December 14-16, 2018.
 - Computational and Methodological Statistics (CMStatistics), Virtual Conference, December 19-21, 2020. (Presented by Yutong Liu)
4. “Classification of uncertain binary outcomes using biomarker information”:
 - Department of Mathematics, National Chung Cheng University, Minghsiung, Chiayi, Taiwan, May 26, 2015.
 - Division of Biostatistics and Bioinformatics, National Health Research Institutes, Zhunan, Miaoli, Taiwan, June 15, 2015.
 - Division of Biostatistics, College of Public Health, The Ohio State University, Columbus, Ohio, October 9, 2020.
5. “Semiparametric estimation of modulated renewal process models and its applications”:
 - Department of Statistics, National Chengchi University, Taipei, Taiwan, September 23, 2013.
 - Institute of Statistical Science, Academia Sinica, Taipei, Taiwan, June 8, 2015.
 - Department of Statistics, Kansas State University, Manhattan, Kansas, September 24, 2015.
6. “Robust analysis of semiparametric renewal process models”:
 - American Mathematical Society (AMS) Fall Southeastern Sectional Meeting, University of Louisville, Louisville, Kentucky, October 5, 2013.
7. “An introduction to multistate models and disease history processes”:
 - North Carolina Translational & Clinical Sciences Institute, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, February 17, 2012.
 - North Carolina Translational & Clinical Sciences Institute, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, October 23, 2015.
 - North Carolina Translational & Clinical Sciences Institute, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, October 25, 2019.
8. “Nonparametric/semiparametric estimation of the mean function for recurrent event data with missing event category”:

- Department of Biostatistics, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, July 14, 2011.
- Division of Biostatistics and Bioinformatics, National Health Research Institutes, Zhunan, Miaoli, Taiwan, September 16, 2013.
- Department of Mathematics, National Chung Cheng University, Minghsiang, Chiayi, Taiwan, September 17, 2013.
- Institute of Statistics, National Tsing Hua University, Hsinchu, Taiwan, September 18, 2013.
- Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison, Madison, Wisconsin, January 17, 2014.
- Department of Applied Mathematics, National Chung Hsing University, Taichung, Taiwan, June 4, 2015.
- Department of Statistics, National Taipei University, New Taipei City, Taiwan, June 17, 2015.

9. “Additive hazards regression and partial likelihood estimation for ecological monitoring data”:

- Third North American Regional Meeting, The International Environmetrics Society (TIES) 2011, La Crosse, WI, July 20, 2011 (presented by Jun Zhu).
- International Chinese Statistical Association (ICSA) 2011 Applied Statistics Symposium, New York City, NY, June 28, 2011.
- Department of Applied Mathematics, National Chung Hsing University, Taichung, Taiwan, December 23, 2011.
- Department of Mathematics, National Chung Cheng University, Minghsiang, Chiayi, Taiwan, December 28, 2011.

10. “Regression modeling of modulated renewal processes”:

- Biostatistics Research Branch (BRB), National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Bethesda, MD, April 2, 2009.
- Department of Statistics and Actuarial Science, University of Waterloo, Waterloo, Ontario, Canada, March 24, 2009.
- Department of Preventive Medicine, Northwestern University, Chicago, IL, March 20, 2009.
- Department of Biostatistics and Informatics, University of Colorado, Denver, CO, March 9, 2009.
- Joint Meeting of the 2011 Taipei International Statistical Symposium and 7th Conference of the Asian Regional Section of the IASC, Taipei, Taiwan, December 18, 2011.
- 14th Meeting of New Researchers in Statistics and Probability (15 minutes short talk), La Jolla, California, USA, July 26 - July 28, 2012.

11. Lectures to non-statisticians

- Department of Global Politics and Economics, Tamkang University, Jiaoxi, Yilan, Taiwan, June 5, 2015
Title: “Selection bias, missing data, and prediction models”
- Division of Hematology and Oncology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan, June 16, 2015
Title: “Working as a biostatistician: Life beyond t-tests”

- Center for Health Equity Research (CHER), UNC Chapel Hill, June 6, 2018
Unit 1: “Working as a biostatistician: Life beyond t-tests”
Unit 2: “Selection bias, missing data, and imputations”
- Department of Biostatistics, University of North Carolina, Chapel Hill, North Carolina, April 16, 2020
Title: “Working as a biostatistician: My life in the North Carolina Translational and Clinical Science Institute (NC TraCS)”

CONTRIBUTED PRESENTATIONS

1. Li LA, **Lin FC**, Tseng GC. A criterion to find the optimal size in tight clustering. Joint Statistical Meetings, Minneapolis, Minnesota, USA, 2005.
2. **Lin FC**, Lai HJ. Persistent versus worsening malnutrition during age 6 to 10 years and lung disease outcomes in children with CF (poster). The 22nd Annual North American Cystic Fibrosis Conference, Orlando, Florida, USA, 2008.
3. **Lin FC**. A random effect Epidemic-Type Aftershock Sequence (ETAS) model. Joint Statistical Meetings, Washington, DC, USA, 2009.
4. **Lin FC**, Cai J, Fine JP, Lai HJ. Nonparametric estimation of the mean function for recurrent event data with missing event category. ENAR Spring Meeting, Washington, DC, USA, 2012.
5. **Lin FC**. A semiparametric epidemic-type aftershock sequence model and its efficiency bounds. Joint Statistical Meetings, San Diego, California, USA, 2012.
6. **Lin FC**, Truong Y, Fine JP. Robust analysis of semiparametric renewal process models. Joint Statistical Meetings, Boston, MA, USA, 2014.
7. **Lin FC**, Quefeng Li. Classification of uncertain binary outcomes using biomarker information. Joint Statistical Meetings, Chicago, IL, USA, 2016.
8. **Lin FC**, Li Y, Thota S, Mirzaei M, Joodi G, Simpson RJ Jr. Identification of sudden death from death certificates using machine learning algorithms. American Public Health Association (APHA) 2020 Annual Meeting and Expo, Virtual Conference, Oct. 24-28.

GRANT AND OTHER RESEARCH SUPPORT (ONGOING)

1. R01 AI137395 (Lin) 06/2018–05/2023
National Institute of Allergy and Infectious Diseases
Determinants of Malaria Transmission by Submicroscopic Gametocytemia
2. U48 DP006400 (Ammerman) 09/2019–09/2024
Centers for Disease Control
Center for Health Promotion and Disease Prevention
3. R01 HL142879 (Taylor) 12/2019–11/2023
National Heart, Lung and Blood Institute
Molecular Control of Cardiomyocyte Mitophagy by the RhoGAP GRAF1
4. R01 HL150909 (Corbie-Smith) 01/2020–12/2024
National Heart, Lung and Blood Institute
Implementation of EMR-Integrated Referrals to Link Clinical and Community Services to Reduce Health Inequity

5. K08 AI148607 (Thompson) 06/2020–05/2025
National Institute of Allergy and Infectious Diseases
Characterizing Hepatitis B Transmission in Congolese Children
6. R01 HL126974 (Wolberg) 07/2020–06/2024
National Institutes of Health
Fibrinogen and Factor XIII in Venous Thrombosis
7. R01 AG065394 (Hanson) 07/2020–06/2025
National Institute on Aging
Palliative Care for Persons with Late-stage Alzheimer’s and Related Dementias and their Caregivers: a Randomized Clinical Trial
8. U01 AI162457 (Duncan) 07/2021–04/2026
National Institute of Allergy and Infectious Diseases
Planning the Utilization of Human Challenge with Neisseria Gonorrhoeae for Vaccine Testing
9. R01 HL160046 (Flick) 09/2021–07/2025
National Heart, Lung and Blood Institute
Mechanisms Linking the Plasminogen/fibrinogen Axis to the Pathogenesis of COVID-19
10. Not Assigned (Lin) 08/2021–07/2023
Rome Foundation
Rome Foundation Research Institute: Biometry Core Research Agreement
11. R01 ES032544 (Moran) 12/2021–11/2026
National Institute of Allergy and Infectious Diseases
Role of the Indoor Exposome in Peanut Allergy Development
12. R01 HL157187 (Stoner) 03/2022–02/2026
National Heart, Lung and Blood Institute
Sitting Interruption and Whole-body Cardiovascular Health: Linking Physiological Responses to Risk Behaviors
13. Not Assigned (Wikstrom) 05/2022–05/2023
Academy of Orthopaedic Physical Therapy
The Impact of Real-World Vibration Gait Retraining on Gait Biomechanics in People with Chronic Ankle Instability
14. R01 HL162805 (Stoner) 06/2022–05/2026
National Heart, Lung and Blood Institute
Cardiometabolic Disease Prevention in College-based Young Adults: Mapping a Contextual Sedentary Behavior Intervention
15. Not Assigned (Thompson) 07/2022–06/2025
Doris Duke Charitable Foundation
Simplifying Hepatitis B Care in Pregnancy by Combining Birth-dose Vaccine and Tenofovir: The COMBAT HBV Feasibility Trial
16. R01 AI169602 (Dennis) 07/2022–06/2027
National Institute of Allergy and Infectious Diseases
Planning the Utilization of Human Challenge with Neisseria Gonorrhoeae for Vaccine Testing
17. R01 AI165537 (Juliano) 07/2022–06/2027
National Institute of Allergy and Infectious Diseases
Relapsing Malaria in Africa: Mechanisms for Persistence amid Falciparum Decline

18. UL1 TR002489 (Buse) 03/2018–02/2023
National Center for Advancing Translational Sciences
North Carolina Translational and Clinical Science Institute (NC TraCS) - Biostatistics, Epidemiology, and Research Design (BERD)
19. U54 HL096458 (Davis) 08/2019–07/2024
National Heart, Lung and Blood Institute
Genetic Disorders of Mucociliary Clearance
20. U24 HL151308 (Stevens) 09/2020–08/2027
National Heart, Lung and Blood Institute
Coordinating Center for the DECIPHeR Network

GRANT AND OTHER RESEARCH SUPPORT (COMPLETE IN RECENT 3 YEARS)

1. U01 HG006487 (Berg) 8/1/17–5/31/22
National Human Genome Research Institute
North Carolina Clinical Genomic Evaluation by Next-gen Exome Sequencing 2
2. K08 ES029118 (Moran) 5/15/19–4/30/22
National Institute of Environmental Health Sciences
The Role of Neuropilin-2 in Regulating Environmental Airways Injury
3. 2020-207-038 (Carson) 1/14/20–1/13/22
Society of Critical Care Medicine PTSD Trajectories in ICU Family Caregivers: A Pilot Study
4. R34 AI148072 (Duncan) 8/5/20–7/31/21
National Institute of Allergy and Infectious Diseases
Planning the Utilization of Human Challenge with Neisseria Gonorrhoeae for Vaccine Testing
5. R21 AT009704 (Hanson) 3/1/18–1/31/21
National Center for Complementary & Integrative Health
Neuromuscular Mechanisms of Manual Therapies in Chronic Ankle Instability Patients
6. K24 HL105493 (Viera) 7/1/15–12/31/20
National Heart, Lung and Blood Institute
Mentoring in Community-Engaged Approaches to Address CVD Disparities
7. R01 HL120690 (Corbie-Smith) 3/15/14–11/30/20
National Heart, Lung and Blood Institute
Reducing Risk of Cardiovascular Disease Risk Factors in Rural Communities in NC
8. R01 HL126974 (Wolberg) 1/15/16–6/30/20
National Heart, Lung and Blood Institute
Fibrinogen and Factor XIII in Venous Thrombosis
9. R01 AI107949 (Meshnick) 4/1/14–3/31/20
National Institute of Allergy and Infectious Diseases
Epidemiological and Spatial Models of Malaria Transmission
10. R01 DE022816 (Ko) 3/14/2014–2/29/20
National Institute of Dental & Craniofacial Research
Engineering Novel Bio-Inspired Materials for Stem-Cell Mediated Bone Regeneration

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|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 11. Not assigned (Speizer)
Susan Thompson Buffett Foundation
Identifying an Optimal Method of Postpartum IUD Insertion | 10/1/19–2/14/20 |
| 12. R01 HL130367 (Taylor)
National Heart, Lung and Blood Institute
Role of the Rho-GAP GRAF3 in the pathogenesis of human hypertension | 1/1/16–12/31/19 |

TEACHING

1. Instructor

- BIOS 680 Introductory Survivorship Analysis
Department of Biostatistics, University of North Carolina at Chapel Hill
Spring 2022
- BIOS 661/673/740 Probability and Statistical Inference II
Department of Biostatistics, University of North Carolina at Chapel Hill
Spring 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2023
- BIOS 842 Practice in Statistical Consulting
Department of Biostatistics, University of North Carolina at Chapel Hill
Fall 2019, 2020
Spring 2021
Summer 2018, 2019, 2020
- BIOS 693H/694H Honors Research in Biostatistics
Department of Biostatistics, University of North Carolina at Chapel Hill
Fall 2018
Spring 2019

2. Guest Lecturer

- BIOS 841 Statistical Consulting
Department of Biostatistics, University of North Carolina at Chapel Hill
March 25, 2014

3. Teaching Assistant

- Introduction to Biostatistical Methods for Public Health
Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison
Fall 2005
- Simulation Method
Department of Statistics, National Chengchi University, Taipei, Taiwan
Fall 1998
- Advanced Statistics
Department of Business Administration, National Chengchi University, Taipei, Taiwan
Spring 1998

GRADUATE COMMITTEE ACTIVITY

1. PhD Committee, Chair

- Department of Biostatistics, University of North Carolina at Chapel Hill
Huijun (Jean) Jiang 2020–present

2. PhD/DrPh Committee, Member

- Department of Biostatistics, University of North Carolina at Chapel Hill
 - Siyeon Kim 2022–present
 - Kushal Shah 2022–present
 - Ying Zhang 2021–present
 - Tamy Moraes Tsujimoto 2022
 - Gilson Honvoh 2022
 - Yutong Liu 2022
 - Victor Ritter 2021
 - Busola Sanusi 2021
 - Arkopal Choudhury 2020
 - Reuben Adatorwovor 2020
 - Crystal Thuy-Tien Nguyen 2019
 - Jung In Kim 2017
 - Natalia Gouskova 2014
- Department of Epidemiology, University of North Carolina at Chapel Hill
 - Jack Murphy 2021
 - Meagan Vaughn 2013
- Carolina Health Informatics Program, University of North Carolina at Chapel Hill
 - Ashley Griffin 2021

3. Master, Advisor

- Department of Biostatistics, University of North Carolina at Chapel Hill
 - Haoming Zhang 2021
 - Yajing Hao 2021
 - Jingru (Jessie) Zhang 2021
 - Yi Tang Chen 2020
 - Huijun (Jean) Jiang 2020
 - David Bang 2020
 - Paridhi Ranadive 2020
 - Jeremy Saxe 2019
 - Gloria Kim 2019
 - Yi Li 2018
 - Jimin Kim 2018
 - Nicholas Perrone 2018
 - Junheng Gao 2017
 - Rongrong Qu 2016
 - Eunyoung Angela Lee 2016
 - Derek Marsh 2016

4. Master Committee, Member/Reader

- Department of Biostatistics, University of North Carolina at Chapel Hill

Liyuan Zhou	2021
Qianhui Yang	2021
Yueting Wang	2020
Crystal Thuy-Tien Nguyen	2017
- Department of Orthodontics, University of North Carolina at Chapel Hill

Phil Hamilton	2020
Matthew Pastewait	2020
Catherine Campbell	2020
Christian Piers	2019
Laura Jacox	2019
Mary Zaytoun	2019
Brian Bragassa	2018
Bryan Whitecotton	2017
Chris Gibson	2016
Camille Guez	2015
Hsin Chen	2014

5. BSPH Committee, Chair

- Department of Biostatistics, University of North Carolina at Chapel Hill

Skyler Noble	2022–present
Yunhan Wu (Highest Honor)	2019

STUDENTS/POSTDOCS SUPERVISED IN COLLABORATIONS**1. Postdoctoral Research Associate**

- NC Translational and Clinical Sciences (TraCS) Institute, University of North Carolina at Chapel Hill

Jeff Laux	2013–2015
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2. Graduate Students

- Department of Biostatistics, University of North Carolina at Chapel Hill

Kevin Wang	2022–present
Yumei Yang	2022–present
Di Hu	2021–present
Lang Li	2020–present
Huijun (Jean) Jiang	2019–present
Huaying Qiu	2021–2022
Tamy Moraes Tsujimoto	2020–2022
Yajing Hao	2020–2022
Haoming Zhang	2021

Jingru (Jessie) Zhang	2020–2021
Victor Ritter	2020–2021
Jace Albert	2020
Yi Tang Chen	2019–2020
Eric van Buren	2016–2020
Jeremy Saxe	2018–2019
Jimin Kim	2017–2018
Hun Yong Cho	2017
Wansuk Choi	2016–2017
Taofik Olatunji Oyekunle	2015–2016
Wenxiao Wu	2015–2016
Jung In Kim	2014–2015
Andy Ni	2013

UNDERGRADUATE/HIGH SCHOOL STUDENTS/INTERN SUPERVISED

1. Undergraduate Students

- University of North Carolina at Chapel Hill

Valen Zhang (Biostatistics)	2022-present
Bella Qian (Biostatistics)	2021-2022
Liam Pongracz (Biostatistics)	2021-2022
Jason Zhang (Biostatistics)	2020-2022
Jackson Davis (Statistics and Operational Research)	2020
Yunhan Wu (Biostatistics)	2017–2019
Jeremy Chao (Statistics and Operational Research)	2017

2. High School Students

- Roman Liu (Union High School, Camas, WA) 2019
- Brian Liu (Green Hope High School, Cary, NC) 2017

DEPARTMENTAL SERVICE

- UNC Scientific Review Committee (Member) 2021-present
- Master Exam Committee (Chair), Department of Biostatistics, University of North Carolina at Chapel Hill 2019-present
- Awards Committee (Member), Department of Biostatistics, University of North Carolina at Chapel Hill 2015-present
- Interim Deputy Director, Biostatistics, Epidemiology and Research Design (BERD), NC Translational and Clinical Sciences (TraCS) Institute August 2019-December 2019
- Faculty Search Committee (Chair), Department of Orthodontics/Biomedical Research Imaging Center (BRIC), University of North Carolina at Chapel Hill 2018

- Department Seminar Committee (Co-Chair), Department of Biostatistics, University of North Carolina at Chapel Hill 2014-2015
- Comprehensive Exam Applied Subcommittee (Member), Department of Biostatistics, University of North Carolina at Chapel Hill 2013-2014
- Master Exam Committee (Member), Department of Biostatistics, University of North Carolina at Chapel Hill 2014-2018

PROFESSIONAL SERVICE

- Statistics Editor: *Genetics in Medicine* (2012 - 2018)
- Conference section organizer:
 - Computational and Methodological Statistics (CMStatistics), Virtual Conference, December 19-21, 2020
 - Computational and Methodological Statistics (CMStatistics), Senate House University of London, United Kingdom, December 14-16, 2019
- Referee service (Statistics): *Annals of Statistics*, *Journal of the American Statistical Association (JASA)*, *Journal of the Royal Statistical Society, Series B (JRSSB)*, *Biometrics*, *Statistics in Medicine*, *Journal of Multivariate Analysis*, *Lifetime Data Analysis*, *Computational Statistics and Data Analysis*, *Environmental and Ecological Statistics*, *Mathematics and Computers in Simulation*, *Communications in Statistics - Case Studies & Data Analysis*
- Referee service (Medicine): *American Journal of Chinese Medicine*, *BMC Medical Research Methodology*, *Circulation: Cardiovascular Quality and Outcomes*, *Complementary Therapies in Medicine*, *PLoS One*, *Trial*, *Frontier in Pediatrics*
- Convener: North Carolina-Taiwan Professional and Scholar Society (NCT-PASS), 2021

PROFESSIONAL SOCIETY MEMBERSHIP

- American Statistical Association (ASA), 2009 – present
- America Public Health Association (APHA), 2020 – 2022
- International Biometric Society - Eastern North American Region (ENAR), 2012
- International Chinese Statistical Association (ICSA), 2011

ACADEMIC HONORS AND AWARDS

- Delta Omega, Honorary Society in Public Health, 2019
- Departmental Teaching Innovation Award, UNC Gillings School of Public Health, 2019
- Finalist, Milton W. Hamolsky Awards, The Society of General Internal Medicine (SGIM) 33rd Annual Meeting, Minneapolis, Minnesota, USA, 2010, abstract and oral presentation by Gene CW, **Lin FC**, Loehr L, Powell-Hammond W, Foraker R, Rose K, Mosley T, Corbie-Smith G.
- Study Abroad Scholarship, Ministry of Education, Taiwan, 2005-2006

COMMUNITY SERVICE

- Board of Directors, North Carolina Raleigh Chinese Language School, 2013-2015, 2021-2023
- Vice principal, North Carolina Raleigh Chinese Language School, 2012-2013, 2015-2016
- Principal, North Carolina Raleigh Chinese Language School, 2011-2012

North Carolina Raleigh Chinese Language School (NCRCLS) is a registered non-profit organization founded in 1977. It specialized in teaching Mandarin and traditional Chinese characters. The school now offers 20 language classes and 12 culture classes for 200 students.

Visit us at <https://sites.google.com/ncrcls.education/webdir/home>