

BIOGRAPHICAL SKETCH

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NAME: Jie Yang

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POSITION TITLE: Associate Professor of Family, Population and Preventive Medicine

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Science and Technology of China, Hefei, Anhui province, China	BE	06/2001	Computer Science
University of Florida, Gainesville, FL, USA	PhD	08/2006	Statistics
University of Florida, Gainesville, FL, USA	Postdoctoral	06/2008	Statistics

A. Personal Statement

I am a tenured associate professor in the division of Epidemiology and Biostatistics, Department of Family, Population and Preventive Medicine. I currently direct the Biostatistical Consulting Core (BCC) at Stony Brook University's School of Medicine and the Biostatistics Shared Resource in Stony Brook Cancer Center. I enjoy the development and application of statistical models to address biomedical research questions. After completing my doctoral degree from the Department of Statistics at the University of Florida, I collaborated directly with clinicians and basic scientists at St. Jude's Children's Research Hospital and this experience further broadened my knowledge in a wide range of statistical methodologies and deepened my understanding of clinical trials/experimental designs relevant to cancer research. I started to direct the BCC at Stony Brook University in 2011 in addition to teaching graduate courses in Statistics and advising PhD students in Statistics. To date, I have published over 150 peer-review papers in both statistical and biomedical journals as a result of my collaborations with scientists from a wide range of biomedical fields and using a broad range of statistical methods. In my current role at Stony Brook, I am responsible for ensuring that the Biostatistical Consulting Core provides biostatistical consultation, collaboration, education and support for all aspects of research endeavors in addition to directing the Biostatistics Shared Resource at Stony Brook Cancer Center. I am a co-investigator on grants from NIH, NCI and other industrial/internal grants and the lead study statistician on several clinical trials. I am well qualified as a statistician in the LINCATS UM1.

B. Positions, Scientific Appointments and Honors**Positions and Scientific Appointments**

11/2016-present	Associate Professor (tenured), Department of Family, Population and Preventive Medicine Director, Biostatistical Consulting Core, Stony Brook University, Stony Brook, NY Director, Biostatistics Shared Resource, Stony Brook Cancer Center, Stony Brook, NY
11/2016-present	Affiliated Associate Professor, Department of Applied Mathematics and Statistics, Stony Brook University, Stony Brook, NY
9/2011-11/2016	Assistant Professor, Department of Family, Population and Preventive Medicine,

3/2012-11/2016 Director, Biostatistical Consulting Core, Stony Brook University, Stony Brook, NY
 Affiliated Assistant Professor, Department of Applied Mathematics and Statistics,
 Stony Brook University, Stony Brook, NY

6/2008-8/2011 Assistant Member, St. Jude Children's Research Hospital, Memphis, TN

8/2006-6/2008 Post Doctoral Associate, University of Florida, Gainesville, FL

5/2004-8/2004 Summer Intern, Merck Research Laboratories, Rahway, NJ

Other Experience and Professional Memberships

2022 Ad hoc study reviewer, NIDDK ZDK1GRB-S (M3) Special emphasis review panel (RC2) Special Emphasis Panel, NIH ROA OTA 21-015E " Research on Pathobiological Mechanisms Underpinning the Clinical Phenotypes, Symptomatic Manifestations, and Multi-tissue/organ Pathology of Post-Acute Sequelae of SARS-CoV-2 Infection.

2021 Special Emphasis Panel, NIDDK RFA-DK-19-004: Silvio O. Conte Digestive Diseases Research Core Centers (P30 Clinical Trial Optional);
 Special Emphasis Panel, NIH ROA OTA 21-015B (Cohort applications) "Post-Acute Sequelae of SARS-CoV-2 Infection (PASC)".

2020 Special Emphasis Panel, NIDDK RFA-DK-19-004: Silvio O. Conte Digestive Diseases Research Core Centers (P30 Clinical Trial Optional);
 Special Emphasis Panel, NIDDK PAR-18-423 "NIDDK Multi-Center Clinical Study Implementation Planning Cooperative Agreement (U34)"
 Ad hoc study reviewer, NIDDK PAR19-202 " High Impact, Interdisciplinary Science in NIDDK Research Areas (RC2 Clinical Trial Optional)".

2020- NIDDK DSMB Member for the PALF IRN: Pediatric Acute Liver Failure Immune Response Network study

2019 Ad hoc study reviewer, NIDDK ZDK1 GRB-J(M3)R review panel (R01) and NIDDK ZDK1 GRB-7(M5)1 review panel (U34)

2018 Ad hoc study reviewer, NIDDK ZDK1 GRB-7(O6)1 review panel (U01)

2017- NIDDK OSMB Member for the Alliance of Randomized Trials of Medicine vs Metabolic Surgery in Type 2 Diabetes (ARMMS-2D)

2016 Ad hoc study reviewer, NIDDK ZDK1 GRB-7 and GRB-S (J4) 1 review panel (U01s)

2016 Expert Evaluation Committee, NIDDK (U01)

2015-2018 Ad hoc study reviewer, NIDDK ZDK1 GRB-3(M3) review panel (U34)

2015-2016 Ad hoc study reviewer, NIDDK Special Emphasis Panel (R01)

2013 Ad hoc study reviewer, NIDCR clinical trial or biomarker clinical evaluation study (R34 and U01)

2012- Member, Society for Clinical Trials

2011 Ad hoc study reviewer, Pilot Funding for New Research (PFund) Program, LA EPSCoR

2008- Member, International Chinese Statistical Association (ICSA)

2003- Member, International Biometrics Society's Eastern North American Region (ENAR)

2002 Mu Sigma Rho (National Statistics Honor Society)

2001- Member, Institute of Mathematical Statistics (IMS)

2001- Member, American Statistical Association (ASA)

C. Contributions to Science

1. The beauty of Statistics is that it can be applied in any quantitative field. I have a productive collaboration research with a focus on biomedical applications, which has led to over 125 published papers in peer reviewed biomedical journals. I have established in-depth collaborations with investigators from a wide spectrum of clinical and basic sciences fields. I am currently a co-investigator on multiple grants from NIH, DoD, NMSS and other internal grants. I am involved in all phases of a study: analyzing historical data, refining research hypothesis, designing a new prospective study or biological experiment, calculating sample size needed or power, performing interim data analysis and final data analysis, interpreting the analysis results and preparing the manuscripts for result dissemination.

- a. Inaba H, **Yang J**, Kaste S, Hartford CM, Motosue M, Chemaitilly W, Triplett BM, Shook D, Pui C-H and Leung W. Longitudinal changes in Body Mass and Composition in Survivors of Childhood Hematological Malignancies after Allogeneic Hematopoietic Stem Cell Transplantation". *Journal of Clinical Oncology*, 2012, 30(32):3991-7. PMID: PMC3675688
- b. **Yang J**, Ma D, Fesler A, Zhai H, Leamniramit A, Li W, Wu S, Ju J. "Expression Analysis of microRNA as Prognostic Biomarkers in Colorectal Cancer". *Oncotarget* 2016 Dec 26; 8(32):52403-52412. PMID: PMC5581037
- c. Telem D, **Yang J**, Altieri M, Patterson W, Peoples B, Chen H, Talamini M, Pryor AD. "Rates and risk factors for unplanned emergency department utilization and hospital Readmission following bariatric surgery". *Annals of Surgery*. 2016. 263(5):956-60.
- d. Spaniolas K, **Yang J**, Crowley S, Yin D, Docimo S, Bates T, Pryor AD. "Association of Long-term Anastomotic Ulceration After Roux-en-Y Gastric Bypass with Tobacco Smoking." *JAMA Surgery*. 2018. Jun 20. doi: 10.1001/jamasurg.2018.1616. [Epub ahead of print] PMID: PMC6583878

2. In addition to collaboration research as an applied statistician, I am also active in statistical methodology research. I have proposed novel statistical methods addressing several significant topics and problems, which mainly focuses on statistical genetics/genomics. My paper about a nonparametric functional mapping framework to map quantitative trait loci was chosen as one of the "Breakthroughs in Bioinformatics and Statistical Genetics" in 2010 to be presented in the Joint Statistical Meetings, which is the largest annual international statistical conference. I advise Ph.D. students in Statistics with their PhD dissertation research. Motivated by issues met during practice, I have also published on adaptive clinical trial designs, geo-statistics related to environmental health, statistical learning methods.

- a. **Yang J**, Lu K, Chen P. Adaptive Design for Censored Survival Data Controlled for Covariates. *Sequential Analysis*. 2007; 26(1):89-97.
- b. **Yang J**, Wu RL, Casella G. Nonparametric Functional Mapping of Quantitative Trait Loci Underlying the Character Process, *Biometrics*, 63:30-39, 2009.
- c. Lee S, **Yang J**, Huang J, Chen H, Hou W and Wu S. "Multi-marker Linkage Disequilibrium Mapping of Quantitative Trait Loci". *Briefings in Bioinformatics*, 2016, 1-10.
- d. **Yang J**, Zhang M, Ahn H, Zhang Q, Jin TB, Li IA, Nemesure M, Joshi N, Jiang H, Miller JM, Ogden RT, Petkova E, Milak MS, Sublette ME, Sullivan GM, Trivedi MH, Weissman M, McGrath PJ, Fava M, Kurian BT, Pizzagalli DA, Cooper CM, McInnis M, Oquendo MA, Mann JJ, Parsey RV, DeLorenzo C. "Development and evaluation of a multimodal marker of major depressive disorder." *Human Brain Mapping*. 2018 Aug 16. doi: 10.1002/hbm.24282. [Epub ahead of print] PMID: PMC6815672
- e.

Complete List of Published Work in MyBibliography:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1PEsdgnTnnbQZ/bibliography/47331984/public/?sort=date&direction=ascending>