Zhengming Chen, PhD, MPH, MS

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Professional Experience

May 2018 – Present	Assistant Professor, Division of Biostatistics and Epidemiology, Department of Public Health, Weill Cornell Medicine, New York, NY, USA
Aug. 2016 – May 2018	Instructor, Division of Biostatistics and Epidemiology, Department of Public Health, Weill Cornell Medicine, New York, NY, USA
Nov. 2014 – July 2016	Senior Research Biostatistician, Division of Biostatistics and Epidemiology, Department of Public Health, Weill Cornell Medicine, New York, NY, USA
Nov. 2011 – Nov.2014	Research Biostatistician, Division of Biostatistics and Epidemiology, Department of Public Health, Weill Cornell Medicine, New York, NY, USA
July 2010 – Nov. 2011	Research Assistant Professor, School of Medicine, Karmanos Cancer Institute, Wayne State University, Detroit, MI, USA
Nov. 2007 – July 2010	Research Associate, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL, USA
Apr. 2003 – Nov. 2007	Post-doc Fellow, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL, USA
Aug. 1999 – Apr. 2003	Senior Research Fellow, Institute of Molecular and Cell Biology, National University of Singapore, Singapore
July 1991 – July 1993	Instructor, Yichun Normal College, Yichun, Jiangxi Province, P.R.China

Education

M.P.H. (2010)
Biostatistics, College of Public Health, University of South Florida, Tampa, FL 33612

Ph.D. (1999)
Molecular Biology, Department of Biology, Xiamen University, Xiamen, Fujian 361005

M.S. (1996)
Microbiology, Department of Biology, Xiamen University, Xiamen, Fujian 361005

B.S. (1991)

Cell Biology, Department of Biology, Xiamen University, Xiamen, Fujian 361005

Training

- 2012 NHGRI Short Course on Next Generation Sequencing: Technology and Statistical Methods, University of Alabama at Birmingham;

Professional Membership

American Statistical Association (ASA)

American Association for Cancer Research (AACR)

Professional Certificates

Certified SAS9 programmer;

Certified in Public Health (CPH);

Teaching

- Course director: Statistical Programming with SAS (Biostatistics and Data Science Master program at Weill Cornell Graduate School)

Service and Activities

July 2017	Presentation: Biostatistician's role in Reproducible Research
Jan. 2017 – present	Member of advisory committee of NHLBI K23 grant (PI: Kucine)
June, 2015 – present	Member and statistician of Data Safety Monitoring Board (DSMB) at Weill Cornell Medicine
Jan., 2014 – present	Member of Clinical Research Evaluation Committee (CSEC) at Weill Cornell Medicine
Sept. 2016	*Ad hoc* reviewer for *PLoS One*
May, 2012	Organized and gave presentation to the biostatisticians within the department. *Title: SAS macro and dynamic reporting*
Dec., 2011 – May 2014	Primary statistical reviewer for the journal *The Laryngoscope*

Patent

Treatment of restenosis and stenosis with Dasatinib (Patent No.: US 8,815,260 B1)

Grants and Scholarship

1. Faculty Scholarship, SAS Global Forum 2018;
2. Co-director of the Bioinformatics and Biostatistics Core of The Leukemia & Lymphoma Society (LLS) Specialized Center of Research (SCOR) grant. Oct. 2016 -
3. Active on 4 NIH R01, 1 LLS grant as co-investigator, 1 NIH UL1 as biostatistician;
4. Completed 3 NIH R01, 2 NIH R21, 1 Starr grant, 2 LLS grant as primary statistician.

Selected Publication

1. M. Teater, P. M. Dominguez, D. Redmond, Z. Chen, D. Ennishi, D. W. Scott, L. Cimmino, P. Ghione, J. Chaudhuri, R. D. Gascoyne, I. Aifantis, G. Inghirami, O. Elemento, A. Melnick, R. Shaknovich, AICDA drives epigenetic heterogeneity and accelerates germinal center-derived lymphomagenesis. *Nature communications* **9**, 222 (2018); published online EpubJan 15 (10.1038/s41467-017-02595-w).
2. X. Sun, Y. Ren, S. Gunawan, P. Teng, Z. Chen, H. R. Lawrence, J. Cai, N. J. Lawrence, J. Wu, Selective inhibition of leukemia-associated SHP2(E69K) mutant by the allosteric SHP2 inhibitor SHP099. *Leukemia* **32**, 1246-1249 (2018); published online EpubMay (10.1038/s41375-018-0020-5).
3. S. C. Rutherford, E. N. Stewart, Z. Chen, A. Chadburn, N. E. Wehrli, K. van Besien, P. Martin, R. R. Furman, J. P. Leonard, L. Cerchietti, The eIF4E inhibitor ribavirin as a potential antilymphoma therapeutic: early clinical data(). *Leukemia & lymphoma* **59**, 256-258 (2018); published online EpubJan (10.1080/10428194.2017.1323270).
4. H. Rennert, G. Ramrattan, Z. Chen, P. McIntire, A. Michaeel, A. Khazanova, S. G. Jenkins, J. Sipley, Evaluation of a human adenovirus viral load assay using the Altona RealStar(R) PCR test. *Diagnostic microbiology and infectious disease* **90**, 257-263 (2018); published online EpubApr (10.1016/j.diagmicrobio.2017.11.016).
5. Y. T. Chen, Z. Chen, Y. N. Du, Immunohistochemical analysis of RHAMM expression in normal and neoplastic human tissues: a cell cycle protein with distinctive expression in mitotic cells and testicular germ cells. *Oncotarget* **9**, 20941-20952 (2018); published online EpubApr 20 (10.18632/oncotarget.24939).
6. T. Zhang, J. K. Davidson-Moncada, P. Mukherjee, R. R. Furman, E. Bhavsar, Z. Chen, P. Hakimpour, N. Papavasiliou, W. Tam, MicroRNA-155 regulates casein kinase 1 gamma 2: a potential pathogenetic role in chronic lymphocytic leukemia. *Blood cancer journal* **7**, e606 (2017); published online EpubSep 8 (10.1038/bcj.2017.80).
7. T. Shen, Z. Chen, Z. J. Zhao, J. Wu, Genetic defects of the IRF1-mediated major histocompatibility complex class I antigen presentation pathway occur prevalently in the JAK2 gene in non-small cell lung cancer. *Oncotarget* **8**, 60975-60986 (2017); published online EpubSep 22 (10.18632/oncotarget.17689).
8. S. C. Rutherford, V. Li, P. Ghione, Z. Chen, P. Martin, J. P. Leonard, Bone marrow biopsies do not impact response assessment for follicular lymphoma patients treated on clinical trials. *British journal of haematology* **179**, 242-245 (2017); published online EpubOct (10.1111/bjh.14839).
9. P. Martin, Z. Chen, B. D. Cheson, K. S. Robinson, M. Williams, S. A. Rajguru, J. W. Friedberg, R. H. van der Jagt, A. S. LaCasce, R. Joyce, K. N. Ganjoo, N. L. Bartlett, B. Lemieux, A. VanderWalde, J. Herst, J. Szer, M. H. Bar, F. Cabanillas, A. J. Dodds, P. G. Montgomery, B. Pressnail, T. Ellis, M. R. Smith, J. P. Leonard, Long-term outcomes, secondary malignancies and stem cell collection following bendamustine in patients with previously treated non-Hodgkin lymphoma. *British journal of haematology* **178**, 250-256 (2017); published online EpubJul (10.1111/bjh.14667).

10. L. Jia, F. Yan, W. Cao, Z. Chen, H. Zheng, H. Li, Y. Pan, N. Narula, X. Ren, H. Li, P. Zhou, Dysregulation of CUL4A and CUL4B Ubiquitin Ligases in Lung Cancer. *The Journal of biological chemistry* **292**, 2966-2978 (2017); published online EpubFeb 17 (10.1074/jbc.M116.765230).
11. L. Giulino-Roth, T. O'Donohue, Z. Chen, T. M. Trippett, E. Klein, N. A. Kernan, R. Kobos, S. E. Prockop, A. Scaradavou, N. Shukla, P. G. Steinherz, A. J. Moskowitz, C. H. Moskowitz, F. Boulad, Outcome of children and adolescents with relapsed Hodgkin lymphoma treated with high-dose therapy and autologous stem cell transplantation: the Memorial Sloan Kettering Cancer Center experience. *Leukemia & lymphoma*, 1-10 (2017); published online EpubNov 29 (10.1080/10428194.2017.1403601).
12. L. Giulino-Roth, T. O'Donohue, Z. Chen, N. L. Bartlett, A. LaCasce, W. Martin-Doyle, M. J. Barth, K. Davies, K. A. Blum, B. Christian, C. Casulo, S. M. Smith, J. Godfrey, A. Termuhlen, M. J. Oberley, S. Alexander, S. Weitzman, B. Appel, B. Mizukawa, J. Svoboda, Z. Afify, M. Pauly, H. Dave, R. Gardner, D. M. Stephens, W. A. Zeitler, C. Forlenza, J. Levine, M. E. Williams, J. L. Sima, C. M. Bollard, J. P. Leonard, Outcomes of adults and children with primary mediastinal B-cell lymphoma treated with dose-adjusted EPOCH-R. *British journal of haematology* **179**, 739-747 (2017); published online EpubDec (10.1111/bjh.14951).
13. P. S. Ginter, P. J. McIntire, X. Cui, L. Irshaid, Y. Liu, Z. Chen, S. J. Shin, Folate Receptor Alpha Expression Is Associated With Increased Risk of Recurrence in Triple-negative Breast Cancer. *Clinical breast cancer* **17**, 544-549 (2017); published online EpubNov (10.1016/j.clbc.2017.03.007).
14. P. Ghione, F. Cavallo, C. Visco, Z. Chen, A. Castellino, M. C. Tisi, I. Dogliotti, M. Nicolosi, M. Boccadoro, J. P. Leonard, U. Vitolo, P. Martin, A retrospective study of R-DHAP/Ox for early progressing follicular lymphoma. *British journal of haematology*, (2017); published online EpubDec 19 (10.1111/bjh.15057).
15. J. T. Geyer, W. Tam, Y. C. Liu, Z. Chen, S. A. Wang, C. Bueso-Ramos, J. Oak, D. A. Arber, E. Hsi, H. J. Rogers, K. Levinson, A. Bagg, D. C. Hassane, R. P. Hasserjian, A. Orazi, Oligomonocytic chronic myelomonocytic leukemia (chronic myelomonocytic leukemia without absolute monocytosis) displays a similar clinicopathologic and mutational profile to classical chronic myelomonocytic leukemia. *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc* **30**, 1213-1222 (2017); published online EpubSep (10.1038/modpathol.2017.45).
16. V. Anelli, J. A. Villefranc, S. Chhangawala, R. Martinez-McFaline, E. Riva, A. Nguyen, A. Verma, R. Bareja, Z. Chen, T. Scognamiglio, O. Elemento, Y. Houvras, Oncogenic BRAF disrupts thyroid morphogenesis and function via twist expression. *eLife* **6**, (2017); published online EpubMar 28 (10.7554/eLife.20728).
17. T. Tang, Z. Chen, P. Praditsuktavorn, L. P. Khoo, J. Ruan, S. T. Lim, D. Tan, C. Phipps, Y. S. Lee, Y. T. Goh, W. Hwang, M. Tao, R. Quek, M. Farid, R. R. Furman, J. P. Leonard, P. Martin, Role of Surveillance Imaging in Patients With Peripheral T-Cell Lymphoma. *Clinical lymphoma, myeloma & leukemia* **16**, 117-121 (2016); published online EpubMar (10.1016/j.clml.2015.12.006).
18. K. C. Piotti, R. K. Yantiss, Z. Chen, J. Jessurun, Serum amyloid A immunohistochemical staining patterns in hepatitis. *Histopathology* **69**, 937-942 (2016); published online EpubDec (10.1111/his.13016).
19. N. N. Naseri, J. Bonica, H. Xu, L. C. Park, J. Arjomand, Z. Chen, G. E. Gibson, Novel Metabolic Abnormalities in the Tricarboxylic Acid Cycle in Peripheral Cells From Huntington's Disease Patients. *PloS one* **11**, e0160384 (2016)10.1371/journal.pone.0160384).
20. P. Martin, K. Maddocks, J. P. Leonard, J. Ruan, A. Goy, N. Wagner-Johnston, S. Rule, R. Advani, D. Iberri, T. Phillips, S. Spurgeon, E. Kozin, K. Noto, Z. Chen, W. Jurczak, R. Auer, E. Chmielowska, S. Stilgenbauer, J. Bloehdorn, C. Portell, M. E. Williams, M. Dreyling, P. M. Barr, S. Chen-Kiang, M. DiLiberto, R. R. Furman, K. A. Blum, Postibrutinib outcomes in patients with mantle cell

lymphoma. *Blood* **127**, 1559-1563 (2016); published online EpubMar 24 (10.1182/blood-2015-10-673145).
21. P. S. Ginter, S. J. Shin, Y. Liu, Z. Chen, T. M. D'Alfonso, Phosphohistone H3 expression correlates with manual mitotic counts and aids in identification of "hot spots" in fibroepithelial tumors of the breast. *Human pathology* **49**, 90-98 (2016); published online EpubMar (10.1016/j.humpath.2015.10.012).
22. S. Choi, Z. Chen, L. H. Tang, Y. Fang, S. J. Shin, N. C. Panarelli, Y. T. Chen, Y. Li, X. Jiang, Y. C. Du, Bcl-xL promotes metastasis independent of its anti-apoptotic activity. *Nature communications* **7**, 10384 (2016); published online EpubJan 20 (10.1038/ncomms10384).
23. J. Yun, E. Mullarky, C. Lu, K. N. Bosch, A. Kavalier, K. Rivera, J. Roper, Chio, II, E. G. Giannopoulou, C. Rago, A. Muley, J. M. Asara, J. Paik, O. Elemento, Z. Chen, D. J. Pappin, L. E. Dow, N. Papadopoulos, S. S. Gross, L. C. Cantley, Vitamin C selectively kills KRAS and BRAF mutant colorectal cancer cells by targeting GAPDH. *Science* **350**, 1391-1396 (2015); published online EpubDec 11 (10.1126/science.aaa5004).
24. J. M. Wells, P. S. Ginter, Y. Liu, Z. Chen, N. Narula, S. J. Shin, Evaluating the utility of trefoil factor 1 as a mammary-specific immunostain compared and in conjunction with GATA-3 and mammaglobin in the distinction between carcinoma of breast and lung. *American journal of clinical pathology* **144**, 444-451 (2015); published online EpubSep (10.1309/AJCPC7FA3IHYPEPF).
25. H. Beltran, K. Eng, J. M. Mosquera, A. Sigaras, A. Romanel, H. Rennert, M. Kossai, C. Pauli, B. Faltas, J. Fontugne, K. Park, J. Banfelder, D. Prandi, N. Madhukar, T. Zhang, J. Padilla, N. Greco, T. J. McNary, E. Herrscher, D. Wilkes, T. Y. MacDonald, H. Xue, V. Vacic, A. K. Emde, D. Oschwald, A. Y. Tan, Z. Chen, C. Collins, M. E. Gleave, Y. Wang, D. Chakravarty, M. Schiffman, R. Kim, F. Campagne, B. D. Robinson, D. M. Nanus, S. T. Tagawa, J. Z. Xiang, A. Smogorzewska, F. Demichelis, D. S. Rickman, A. Sboner, O. Elemento, M. A. Rubin, Whole-Exome Sequencing of Metastatic Cancer and Biomarkers of Treatment Response. *JAMA oncology* **1**, 466-474 (2015); published online EpubJul (10.1001/jamaoncol.2015.1313).
26. X. Zheng, B. Zhai, P. Koivunen, S. J. Shin, G. Lu, J. Liu, C. Geisen, A. A. Chakraborty, J. J. Moslehi, D. M. Smalley, X. Wei, X. Chen, Z. Chen, J. M. Beres, J. Zhang, J. L. Tsao, M. C. Brenner, Y. Zhang, C. Fan, R. A. DePinho, J. Paik, S. P. Gygi, W. G. Kaelin, Jr., Q. Zhang, Prolyl hydroxylation by EglN2 destabilizes FOXO3a by blocking its interaction with the USP9x deubiquitinase. *Genes & development* **28**, 1429-1444 (2014); published online EpubJul 1 (10.1101/gad.242131.114).
27. Y. Zhang, X. Li, Z. Chen, G. Bepler, Ubiquitination and degradation of ribonucleotide reductase M1 by the polycomb group proteins RNF2 and Bmi1 and cellular response to gemcitabine. *PloS one* **9**, e91186 (2014)10.1371/journal.pone.0091186).
28. A. Pollock, S. Bian, C. Zhang, Z. Chen, T. Sun, Growth of the developing cerebral cortex is controlled by microRNA-7 through the p53 pathway. *Cell reports* **7**, 1184-1196 (2014); published online EpubMay 22 (10.1016/j.celrep.2014.04.003).
29. K. Park, Z. Chen, T. Y. MacDonald, J. Siddiqui, H. Ye, A. Erbersdobler, M. M. Shevchuk, B. D. Robinson, M. G. Sanda, A. M. Chinnaiyan, H. Beltran, M. A. Rubin, J. M. Mosquera, Prostate cancer with Paneth cell-like neuroendocrine differentiation has recognizable histomorphology and harbors AURKA gene amplification. *Human pathology* **45**, 2136-2143 (2014); published online EpubOct (10.1016/j.humpath.2014.06.008).
30. M. T. Nguyen, A. Stessin, H. Nagar, T. M. D'Alfonso, Z. Chen, T. Cigler, M. K. Hayes, S. J. Shin, Impact of oncotype DX recurrence score in the management of breast cancer cases. *Clinical breast cancer* **14**, 182-190 (2014); published online EpubJun (10.1016/j.clbc.2013.12.002).
31. S. B. Koslow, R. E. Eisenberg, Q. Qiu, Z. Chen, A. Swistel, S. J. Shin, Sentinel lymph node biopsy is a reliable method for lymph node evaluation in neoadjuvant chemotherapy-treated patients with breast cancer. *The American surgeon* **80**, 171-177 (2014); published online EpubFeb (

32. F. Khani, J. M. Mosquera, K. Park, M. Blattner, C. O'Reilly, T. Y. MacDonald, Z. Chen, A. Srivastava, A. K. Tewari, C. E. Barbieri, M. A. Rubin, B. D. Robinson, Evidence for molecular differences in prostate cancer between African American and Caucasian men. *Clinical cancer research : an official journal of the American Association for Cancer Research* **20**, 4925-4934 (2014); published online EpubSep 15 (10.1158/1078-0432.CCR-13-2265).
33. K. R. Kawaguchi, F. I. Lu, R. Kaplan, Y. F. Liu, P. Chadwick, Z. Chen, E. Brogi, S. J. Shin, In search of the ideal immunopanel to distinguish metastatic mammary carcinoma from primary lung carcinoma: a tissue microarray study of 207 cases. *Applied immunohistochemistry & molecular morphology : AIMM* **22**, 266-274 (2014); published online EpubApr (10.1097/PAI.0b013e318297cc0b).
34. T. M. D'Alfonso, J. Hannah, Z. Chen, Y. Liu, P. Zhou, S. J. Shin, Axl receptor tyrosine kinase expression in breast cancer. *Journal of clinical pathology* **67**, 690-696 (2014); published online EpubAug (10.1136/jclinpath-2013-202161).
35. D. Chakravarty, A. Sboner, S. S. Nair, E. Giannopoulou, R. Li, S. Hennig, J. M. Mosquera, J. Pauwels, K. Park, M. Kossai, T. Y. MacDonald, J. Fontugne, N. Erho, I. A. Vergara, M. Ghadessi, E. Davicioni, R. B. Jenkins, N. Palanisamy, Z. Chen, S. Nakagawa, T. Hirose, N. H. Bander, H. Beltran, A. H. Fox, O. Elemento, M. A. Rubin, The oestrogen receptor alpha-regulated lncRNA NEAT1 is a critical modulator of prostate cancer. *Nature communications* **5**, 5383 (2014); published online EpubNov 21 (10.1038/ncomms6383).
36. J. Zhou, Z. Chen, A. Malysa, X. Li, P. Oliveira, Y. Zhang, G. Bepler, A kinome screen identifies checkpoint kinase 1 (CHK1) as a sensitizer for RRM1-dependent gemcitabine efficacy. *PloS one* **8**, e58091 (2013)10.1371/journal.pone.0058091).
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Journal of biological chemistry **282**, 36463-36473 (2007); published online EpubDec 14 (10.1074/jbc.M705789200).
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