***Curriculum Vitae***

|  |  |
| --- | --- |
| **Date Prepared:**  02/02/2025 |  |
| **Name:**  Yuqiu Yang |  |
| **Office Address:**  Peter O’Donnell Jr. School of Public Health  University of Texas Southwestern Medical Center  5323 Harry Hines Blvd., Dallas, TX  Dallas, TX 75390 |  |
| **Work Phone:**  (281)536-2999 |  |
| Work E-Mail:  Yuqiu.Yang@UTSouthwestern.edu |  |
|  |  |

**Education**

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Degree  (Honors) | Field of Study  (Thesis advisor for PhDs) | Institution |
| 2024 | Doctor of Philosophy | Biostatistics (Xinlei Wang, Tao Wang) | Southern Methodist University |
| 2017 | Master in Statistics | Statistics | Rice University |
| 2015 | Bachelor of Economics | Financial Engineering | Shanghai University of Finance and Economics |

**Faculty Academic Appointments**

|  |  |  |  |
| --- | --- | --- | --- |
| Year(s) | Academic Title | Department | Academic Institution |
| 2024 | Assistant Instructor | Peter O’Donnell Jr. School of Public Health | UT Southwestern Medical Center |

**Other Professional Positions**

|  |  |  |
| --- | --- | --- |
| Year(s) | Position Title | Institution |
| 2022-2024 | Research Assistant | UT Southwestern Medical Center |
| 2017-2020 | Research Analyst | IPT Global |
| 2017 | Project Intern | Baylor College of Medicine |
| 2015 | Intern | PuDong Center for Disease Control and Prevention |

**Honors and Awards**

|  |  |  |
| --- | --- | --- |
| Year | Name of Honor/Award | Awarding Organization |
| 2022 | Walsh Award | Southern Methodist University |
| 2021 | Paul Minton Award | Southern Methodist University |

**Professional Societies**

|  |  |
| --- | --- |
| Dates | Society Name, member |
| 2022 | American Statistical Association |

**Educational Activities**

1. Direct Teaching

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Course Name, Rotation or Session Topic | Role | Number of Instruction hours | Primary Learner Audience (number) | Department or Organization |
| Medical and Graduate School (UME) Course Instruction, Small Group Instruction, Clinical Supervision | | | | | |
| 2024 | BME 5317 | Lecturer | 1.5 | 11 | UT Southwestern Medical Center |

**Technological and Other Scientific Innovations** [*Patent, if any, pending or awarded /If described in print/on web, provide citation*]

|  |
| --- |
| Co-Inventor of HYBRID SEQUENCE-STRUCTURE DEEP LEARNING SYSTEM FOR PREDICTING THE T CELL RECEPTOR BINDING SPECIFICITY OF T CELL ANTIGENS; U.S. Patent Application No. 18/650,820; Pending |

**Bibliography**

**Peer-Reviewed Publications** [*List in chronological order with complete pagination. Authors should be listed in the same order as they appear in the published article.*]

Original Research Articles

|  |  |
| --- | --- |
|  | Xu, Y., **Yang, Y.,** Wang, Z., Sjostrom, M., Jiang, Y., Tang, Y., Cheng, S., Deng, S., Wang, C., Gonzalez, J., Johnson, N. A., Li, X., Li, X., Metang, L. A., Mukherji, A., Xu, Q., Tirado, C. R., Wainwright, G., Yu, X., Barnes, S., Hofstad, M., Chen, Y., Zhu, H., Hanker, A., Raj, G., He, H. H., Wang, Z., Arteaga, C., Liang, H., Feng, F., Wang, Y., Wang, T., & Mu, P. (2024). ZNF397 Deficiency Triggers TET2-Driven Lineage Plasticity and AR-Targeted Therapy Resistance in Prostate Cancer. *Cancer Discovery*. <https://doi.org/10.1158/2159-8290.CD-23-0539> |
|  | Barth, J., **Yang, Y.,** Xiao, G., & Wang, X. (2024). MetaNorm: Incorporating meta-analytic priors into normalization of NanoString nCounter data. *Bioinformatics.* **40**(1), btae024. <https://doi.org/10.1093/bioinformatics/btae024> |
|  | Mitchell, I., **Yang, Y.,** Wang, Y., Hsiehchen, D., Sheffield, T. Y., Fattah, F., Popat, V., Ahmed, M., Homsi, J., Dowell, J. E., Rashdan, S., Lohrey, J., Hammers, H. J., Hughes, R. S., Wang, T., Xie, Y.,& Gerber, D. E. (2024). Highly variable timing renders immunotherapy efficacy and toxicity impractical biomarkers of one another in clinical practice. *Frontiers in Immunology.* 15:1351739. <https://doi.org/10.3389/fimmu.2024.1351739> |
|  | **Yang, Y.,** Wang, K., Lu, Z., Wang, T., & Wang, X. (2023). Cytomulate: Accurate and efficient simulation of cytof data. *Genome Biology.* **24**(1). <https://doi.org/10.1186/s13059-023-03099-1> |
|  | Wang, K., **Yang, Y.,** Wu, F., Song, B., Wang, X., & Wang, T. (2023). Comparative analysis of dimension reduction methods for cytometry by time-of-flight data. *Nature Communications.* **14**(1). <https://doi.org/10.1038/s41467-023-37478-w> |
|  | Rodriguez Tirado, C., Wang, C., Li, X., Deng, S., Gonzalez, J., Johnson, N. A., Xu, Y., Metang, L. A., Sundar Rajan, M., **Yang, Y.,** Yin, Y., Hofstad, M., Raj, G. V., Zhang, S., Lemoff, A., He, W., Fan, J., Wang, Y., Wang, T., & Mu, P. (2023). Ube2j1 is the e2 ubiquitin-conjugating enzyme regulating androgen receptor degradation and antiandrogen resistance. *Oncogene.* <https://doi.org/10.1038/s41388-023-02890-5> |
|  | Li, X., Wang, Y., Deng, S., Zhu, G., Wang, C., Johnson, N., Zhang, Z., Tirado, C. R., Xu, Y., Metang, L., Gonzalez, J., Mukherji, A., Ye, J., **Yang, Y.,** Peng, W., Tang, Y., Hofstad, M., Xie, Z., Yoon, H., Chen, L., Liu, X., Chen, S., Zhu, H., Strand, D., Liang, H., Raj, G., He, H. H., Mendell, J., Li, B., Wang, T., & Mu, P. (2023). Loss of SYNCRIP Unleashes APOBEC-driven Mutagenesis, Tumor Heterogeneity and AR-targeted Therapy Resistance in Prostate Cancer. *Cancer Cell.* <https://doi.org/10.1016/j.ccell.2023.06.010> |
|  | Mundra, V.\*, **Yang, Y.\*,** von Itzstein, M. S., Fattah, F., Gonugunta, A. S., Hannan, R., Pop, L. M., Zhang, Y., Wang, Y., Sheffield, T., Xie, Y., Dowell, J. E., Homsi, J., Rashdan, S., Park, J., Li, Q.-Z., Wakeland, E. K., & Gerber, D. E. (2023). Systemic immune parameters after prior radiation therapy in patients receiving immune checkpoint inhibitors. *Translational Oncology.* 34, 101689. <https://doi.org/10.1016/j.tranon.2023.101689> |
|  | Zhang, Z., Chang, W., Wang, K., **Yang, Y.,** Wang, X., Yao, C., Wu, T., Wang, L., & Wang, T. (2022). Interpreting the B-cell receptor repertoire with single-cell gene expression using Benisse. *Nature Machine Intelligence.* **4**(6), 596–604. <https://doi.org/10.1038/s42256-022-00492->6 |