

## Lingfeng Luo

Instructor, Surgery - Vascular Surgery

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Surgery - Vascular Surgery

### Publications

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#### PUBLICATIONS

- **ATP-citrate lyase is a critical regulator of physiological and pathological angiogenesis.** *Angiogenesis*  
Xu, C., Lin, Y., Wang, Z., Feng, C., Luo, L., Guo, S., Zhang, H., Liu, L., Fan, A., Qi, P., Jiang, D., Xu, Y., Xu, et al  
2026; 29 (2)
- **Cancer Accelerates Atherosclerosis via a TNF-Driven Angiogenic Pathway**  
Luo, L., Fu, C., Wang, F., Baylis, R., Sun, G., Heemelaar, J., Scheidt, M., Krefting, J., Ramirez Santizo, D., Winter, H., Haas, A., Nead, K., Maegdefessel, et al  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **The atherosclerosis-cancer axis: the shared immunotherapeutic potential of CBL inhibition.** *European heart journal*  
Jarr, K. U., Luo, L., Leeper, N. J.  
2025
- **Cardiovascular Disease and Breast Cancer Stage at Diagnosis.** *JAMA network open*  
Angelov, I., Haas, A. M., Brock, E., Luo, L., Zhao, J., Smith, B. D., Giordano, S. H., Leeper, N. J., Nead, K. T.  
2025; 8 (1): e2452890
- **Protocol for tyramide signal amplification immunohistochemical detection of Notch1 signaling in the vascular system.** *STAR protocols*  
Lin, Y., Singh, S., Xu, C., Wang, Z., Feng, C., Jiang, D., Luo, L., Li, W., Che, W., Zhu, G.  
2024; 5 (4): 103519
- **TET2-mediated Clonal Hematopoiesis Exacerbates Foam Cell Generation**  
Adkar, S., Mitchell, S., Lotfi, M., Kojima, Y., Sorondo, S., Luo, L., Fu, C., Bell, C., Jaiswal, S., Klarin, D., Leeper, N.  
LIPPINCOTT WILLIAMS & WILKINS.2024
- **High throughput screen reveals that atypical antipsychotics promote continual efferocytosis by antagonizing dopamine signaling and promoting vitamin A-dependent Arginase1 upregulation**  
Kojima, Y., Ye, Z., Wang, F., Lotfi, M., Adkar, S., Bell, C., Luo, L., Fu, C., Leeper, N.  
LIPPINCOTT WILLIAMS & WILKINS.2024
- **Pro-efferocytic nanotherapies reduce vascular inflammation without inducing anemia in a large animal model of atherosclerosis.** *Nature communications*  
Bamezai, S., Zhang, Y., Kumari, M., Lotfi, M., Alsaigh, T., Luo, L., Kumar, G. S., Wang, F., Ye, J., Puri, M., Manchanda, R., Paluri, S., Adkar, et al  
2024; 15 (1): 8034
- **Cancer Incidence After Diagnosis of Abdominal Aortic Aneurysm.** *Arteriosclerosis, thrombosis, and vascular biology*  
Luo, L., Haas, A. M., Bell, C. F., Baylis, R. A., Adkar, S. S., Fu, C., Angelov, I., Giordano, S. H., Klarin, D., Leeper, N. J., Nead, K. T.  
2024
- **Prior Diagnosis Of An Abdominal Aortic Aneurysm Is Associated With An Elevated Risk Of Subsequent Cancer Diagnosis**

Luo, L., Haas, A., Bell, C., Baylis, R., Adkar, S., Fu, C., Angelov, I., Giordano, S., Klarin, D., Leeper, N. J., Nead, K.  
LIPPINCOTT WILLIAMS & WILKINS.2024

- **Role of vascular smooth muscle cell clonality in atherosclerosis.** *Frontiers in cardiovascular medicine*  
Luo, L., Fu, C., Bell, C. F., Wang, Y., Leeper, N. J.  
2023; 10: 1273596
- **Role of cAMP in Cardiomyocyte Viability: Beneficial or Detrimental?** *Circulation research*  
Zhang, Y., Chen, S., Luo, L., Greenly, S., Shi, H., Jiayuan Xu, J., Yan, C.  
2023
- **Identifying shared transcriptional risk patterns between atherosclerosis and cancer.** *iScience*  
Baylis, R. A., Gao, H., Wang, F., Bell, C. F., Luo, L., Björkegren, J. L., Leeper, N. J.  
2023; 26 (9): 107513
- **Spatial Metabolomics and the Vulnerable Atherosclerotic Plaque.** *Arteriosclerosis, thrombosis, and vascular biology*  
Luo, L., Leeper, N. J.  
2023
- **Risk of Cancer After Diagnosis of Cardiovascular Disease.** *JACC. CardioOncology*  
Bell, C. F., Lei, X., Haas, A., Baylis, R. A., Gao, H., Luo, L., Giordano, S. H., Wehner, M. R., Nead, K. T., Leeper, N. J.  
2023; 5 (4): 431-440
- **Safety And Efficacy Of Pro-efferoctytic Nanoparticles To Treat Atherosclerosis In A Porcine Model**  
Bamezai, S., Alsaigh, T., Lofti, M., Zhang, Y., Kumar, G. S., Wang, F., Ye, J., Luo, L., Kojima, Y., Bell, C., Smith, B. R., Leeper, N. J.  
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Plasticity Of The Tumor Vasculature Is Induced By Tumor Cells Via Cell Surface Receptor Tetherin**  
Bell, C., Bamezais, S., Ma, W., Lopez, N., Baylis, R., Luo, L., Miller, C. L., Leeper, N.  
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Identifying Novel Drug Candidates To Improve Efferocytosis In Atherosclerosis**  
Luo, L., Kojima, Y., Ye, Z., Leeper, N. J.  
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Cancer and Atherosclerosis Share Numerous Pathogenic Drivers Representing Novel Translational Targets for Mutual Benefit**  
Baylis, R., Gao, H., Wang, F., Bell, C., Luo, L., Erdmann, J., Björkegren, J., Klarin, D., Leeper, N. J.  
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Clustering cancers by shared transcriptional risk reveals novel targets for cancer therapy.** *Molecular cancer*  
Gao, H., Baylis, R. A., Luo, L., Kojima, Y., Bell, C. F., Ross, E. G., Wang, F., Leeper, N. J.  
2022; 21 (1): 116
- **The pleiotropic benefits of statins include the ability to reduce CD47 and amplify the effect of pro-efferoctytic therapies in atherosclerosis.** *Nature cardiovascular research*  
Jarr, K., Ye, J., Kojima, Y., Ye, Z., Gao, H., Schmid, S., Luo, L., Baylis, R. A., Lotfi, M., Lopez, N., Eberhard, A. V., Smith, B. R., Weissman, et al  
2022; 1 (3): 253-262
- **Dynamic changes in chromatin accessibility are associated with the atherogenic transitioning of vascular smooth muscle cells.** *Cardiovascular research*  
Wang, Y., Gao, H., Wang, F., Ye, Z., Mokry, M., Turner, A. W., Ye, J., Koplev, S., Luo, L., Alsaigh, T., Adkar, S. S., Elishaev, M., Gao, et al  
2021
- **Efficient suppression of vascular smooth muscle cell proliferation and intimal hyperplasia by targeting phosphodiesterase 10A**  
Luo, L., Zhang, Y., Hsu, C., Korshunov, V., Long, X., Knight, P., Berk, B., Yan, C.  
SAGE PUBLICATIONS LTD.2021: NP4-NP5
- **Role of PDE10A in vascular smooth muscle cell hyperplasia and pathological vascular remodeling** *Cardiovascular Research*  
Luo, L., Cai, Y., Zhang, Y., Hsu, C. G., Korshunov, V. A., Long, X., Knight, P. A., Berk, B. C., Yan, C.  
2021

- **The Protective Role of Natriuretic Peptide Receptor 2 against High Salt Injury in the Renal Papilla.** *The American journal of pathology*  
Dugbartey, G. J., Quinn, B., Luo, L., Mickelsen, D. M., Ture, S. K., Morrell, C. N., Czyzyk, J., Doyley, M. M., Yan, C., Berk, B. C., Korshunov, V. A.  
2019; 189 (9): 1721-1731
- **SIRT6 Is Responsible for More Efficient DNA Double-Strand Break Repair in Long-Lived Species.** *Cell*  
Tian, X., Firsanov, D., Zhang, Z., Cheng, Y., Luo, L., Tomblin, G., Tan, R., Simon, M., Henderson, S., Steffan, J., Goldfarb, A., Tam, J., Zheng, et al  
2019; 177 (3): 622-638.e22
- **Small non-coding RNAs and their associated proteins in spermatogenesis.** *Gene*  
Luo, L. F., Hou, C. C., Yang, W. X.  
2016; 578 (2): 141-57
- **Endometrial stromal cells and decidualized stromal cells: origins, transformation and functions.** *Gene*  
Zhu, H., Hou, C. C., Luo, L. F., Hu, Y. J., Yang, W. X.  
2014; 551 (1): 1-14
- **Nuclear factors: roles related to mitochondrial deafness.** *Gene*  
Luo, L. F., Hou, C. C., Yang, W. X.  
2013; 520 (2): 79-89