

## Songnan Wang

MD Student, expected graduation Spring 2026

### Publications

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#### PUBLICATIONS

- **ENPP1 inhibitor with ultralong drug-target residence time as an innate immune checkpoint blockade cancer therapy.** *Cell reports. Medicine*  
Wang, S., Johnson, R. M., Carozza, J. A., Fernandez, D., Scicinski, J., Verity, N. A., Mardjuki, R., Cao, X., Guo, Y., Papkoff, J., Ray, N., Li, L.  
2025: 102336
- **A 17-Year Experience of Valvular Heart Surgery in Rwanda.** *The Annals of thoracic surgery*  
Musoni, M., Wang, S., Schulick, N., Kabano, B., Mukeshimana, G., Mucumbitsi, J., Rusingiza, E., Worrall, N., Goldberg, H., Stewart, K., Nicholson, I., Patton-Bolman, C., Bolman, et al  
2025
- **Cost-Effectiveness Analysis of Surgical Strategies Versus Medical Management for Rheumatic Heart Disease in Rwanda.** *Journal of the American Heart Association*  
Mlambo, V., Wang, S., Musoni, M., Rando, H., Ingabire, L., Patton-Bolman, C., Mukeshimana, G., Ntaganda, E., Bolman, R., Bendavid, E., Lin, Y.  
2025: e038365
- **ENPP1 inhibitor with ultralong drug-target residence time as an innate immune checkpoint blockade cancer therapy.** *bioRxiv : the preprint server for biology*  
Johnson, R. M., Wang, S., Carozza, J. A., Fernandez, D., Scicinski, J., Verity, N. A., Mardjuki, R., Cao, X., Papkoff, J., Ray, N., Li, L.  
2025
- **2-5A is an immunotransmitter that fuels RNase L immunity.** *Immunity*  
Wang, S., Li, L.  
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- **Pilot Implementation of a Simulation-Based Surgical Curriculum for Rwandan Medical Interns.** *Journal of surgical education*  
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- **Cost-effectiveness analysis of valvular surgery in high- and low- to middle-income countries: A scoping review.** *World journal of surgery*  
Mlambo, V., Hyles, K., Wang, S., Lin, Y.  
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- **Identification of the extracellular membrane protein ENPP3 as a major cGAMP hydrolase and innate immune checkpoint.** *Cell reports*  
Mardjuki, R., Wang, S., Carozza, J., Zirak, B., Subramanyam, V., Abhiraman, G., Lyu, X., Goodarzi, H., Li, L.  
2024: 114209
- **ENPP1 is an innate immune checkpoint of the anticancer cGAMP-STING pathway in breast cancer.** *Proceedings of the National Academy of Sciences of the United States of America*  
Wang, S., Böhnert, V., Joseph, A. J., Sudaryo, V., Skariah, G., Swinderman, J. T., Yu, F. B., Subramanyam, V., Wolf, D. M., Lyu, X., Gilbert, L. A., Van't Veer, L. J., Goodarzi, et al  
2023; 120 (52): e2313693120
- **ENPP1 is an innate immune checkpoint of the anticancer cGAMP-STING pathway.** *bioRxiv : the preprint server for biology*  
Wang, S., Böhnert, V., Joseph, A. J., Sudaryo, V., Swinderman, J., Yu, F. B., Lyu, X., Skariah, G., Subramanyam, V., Gilbert, L. A., Goodarzi, H., Lingyin, L.  
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- **Critical Roles of Translation Initiation and RNA Uridylation in Endogenous Retroviral Expression and Neural Differentiation in Pluripotent Stem Cells.** *Cell reports*  
Takahashi, K., Jeong, D., Wang, S., Narita, M., Jin, X., Iwasaki, M., Perli, S. D., Conklin, B. R., Yamanaka, S.  
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- **Hypoxia and matrix viscoelasticity sequentially regulate endothelial progenitor cluster-based vasculogenesis.** *Science advances*  
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- **Modulator Effects on the Water-Based Synthesis of Zr/Hf Metal-Organic Frameworks: Quantitative Relationship Studies between Modulator, Synthetic Condition, and Performance** *CRYSTAL GROWTH & DESIGN*  
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- **Transcriptional Landscape of Cardiomyocyte Maturation.** *Cell reports*  
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- **Combination of Optimization and Metalated-Ligand Exchange: An Effective Approach to Functionalize UiO-66(Zr) MOFs for CO<sub>2</sub> Separation.** *Chemistry (Weinheim an der Bergstrasse, Germany)*  
Hu, Z., Faucher, S., Zhuo, Y., Sun, Y., Wang, S., Zhao, D.  
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