

## Xuan Yu

Instructor, Anesthesiology, Perioperative and Pain Medicine

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Anesthesiology, Perioperative and Pain Medicine

### Publications

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#### PUBLICATIONS

- **Estrogen Receptor-Phytoestrogen Interactions in Health and Aging: A Review on Estrogen Receptor Vascular Actions with Proof-of-Concept Data.** *Nutrients*  
Smith, B., Myers, K., Nigro, K., Bao, S., Yu, X., Han, G.  
2026; 18 (5)
- **Pesticides Inhibit ALDH2 Activity *In Vitro* and in Primary Culture Pulmonary Vascular Endothelial Cells**  
Rwere, F., Simon, D. J., Maehara, T., Hung, B., Yu, X., Gross, E.  
ELSEVIER.2025
- **Uncovering newly identified aldehyde dehydrogenase 2 genetic variants that lead to acetaldehyde accumulation after an alcohol challenge.** *Journal of translational medicine*  
Rwere, F., White, J. R., Hell, R. C., Yu, X., Zeng, X., McNeil, L., Zhou, K. N., Angst, M. S., Chen, C. H., Mochly-Rosen, D., Gross, E. R.  
2024; 22 (1): 697
- **Effects of Short-term Electronic(e)-Cigarette Aerosol Exposure in the Mouse Larynx.** *The Laryngoscope*  
Easwaran, M., Maria, C. S., Martinez, J. D., Hung, B., Yu, X., Soo, J., Kimura, A., Gross, E. R., Erickson-DiRenzo, E.  
2023
- **Characterization of novel genetic mutations in aldehyde dehydrogenase 2 that cause alcohol flushing in humans**  
Rwere, F., Hell, R. C. R., Yu, X., Gross, E. R.  
AMER SOC PHARMACOLOGY EXPERIMENTAL THERAPEUTICS.2023
- **Statins improve endothelial function via suppression of epigenetic-driven EndMT.** *Nature cardiovascular research*  
Liu, C., Shen, M., Tan, W. L., Chen, I. Y., Liu, Y., Yu, X., Yang, H., Zhang, A., Liu, Y., Zhao, M. T., Ameen, M., Zhang, M., Gross, et al  
2023; 2 (5): 467-485
- **SGLT2 inhibitor ameliorates endothelial dysfunction associated with the common ALDH2 alcohol flushing variant.** *Science translational medicine*  
Guo, H., Yu, X., Liu, Y., Paik, D. T., Justesen, J. M., Chandy, M., Jahng, J. W., Zhang, T., Wu, W., Rwere, F., Zhao, S. R., Pokhrel, S., Shivnaraine, et al  
2023; 15 (680): eabp9952
- **A human TRPV1 genetic variant within the channel gating domain regulates pain sensitivity in rodents.** *The Journal of clinical investigation*  
He, S., Zambelli, V. O., Sinharoy, P., Brabenc, L., Bian, Y., Rwere, F., Hell, R. C., Stein Neto, B., Hung, B., Yu, X., Zhao, M., Luo, Z., Wu, et al  
2022
- **E-cigarette aerosol exacerbates cardiovascular oxidative stress in mice with an inactive aldehyde dehydrogenase 2 enzyme.** *Redox biology*  
Yu, X., Zeng, X., Xiao, F., Chen, R., Sinharoy, P., Gross, E. R.  
2022; 54: 102369

- **Aldehydes, Aldehyde Metabolism, and the ALDH2 Consortium.** *Biomolecules*  
Rwere, F., Yu, X., Chen, C., Gross, E. R.  
2022; 12 (6)
- **E-cigarette Aerosol Elevates Cardiovascular Oxidative Stress in Mice With Aldehyde Dehydrogenase 2 Deficiency**  
Yu, X., Zeng, X., Chen, R., Sinharoy, P., Gross, E. R.  
LIPPINCOTT WILLIAMS & WILKINS.2020