

Stanford



Michael Wosczyzna

Instructor, Neurology & Neurological Sciences

Bio

ACADEMIC APPOINTMENTS

- Instructor, Neurology & Neurological Sciences

HONORS AND AWARDS

- K99 Pathway to Independence, NIA/NIH
- T32 Training Grant, NIA/NIH/Buck Institute

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Stem cell fate determination and microenvironment dynamics

Publications

PUBLICATIONS

- **Mesenchymal Stromal Cells Are Required for Regeneration and Homeostatic Maintenance of Skeletal Muscle** *CELL REPORTS*
Wosczyzna, M. N., Konishi, C. T., Carbajal, E., Wang, T. T., Walsh, R. A., Gan, Q., Wagner, M. W., Rando, T. A.
2019; 27 (7): 2029-+
- **Mesenchymal Stromal Cells Are Required for Regeneration and Homeostatic Maintenance of Skeletal Muscle.** *Cell reports*
Wosczyzna, M. N., Konishi, C. T., Perez Carbajal, E. E., Wang, T. T., Walsh, R. A., Gan, Q., Wagner, M. W., Rando, T. A.
2019; 27 (7): 2029–35.e5
- **A Muscle Stem Cell Support Group: Coordinated Cellular Responses in Muscle Regeneration.** *Developmental cell*
Wosczyzna, M. N., Rando, T. A.
2018; 46 (2): 135–43
- **Bioengineered Viral Platform for Intramuscular Passive Vaccine Delivery to Human Skeletal Muscle.** *Molecular therapy. Methods & clinical development*
Paulk, N. K., Pekrun, K., Charville, G. W., Maguire-Nguyen, K., Wosczyzna, M. N., Xu, J., Zhang, Y., Lisowski, L., Yoo, B., Vilches-Moure, J. G., Lee, G. K., Shrager, J. B., Rando, et al
2018; 10: 144–55
- **Single-cell transcriptomics of 20 mouse organs creates a Tabula Muris.** *Nature*
2018; 562 (7727): 367–72
- **Macrophage-released ADAMTS1 promotes muscle stem cell activation.** *Nature communications*
Du, H., Shih, C. H., Wosczyzna, M. N., Mueller, A. A., Cho, J., Aggarwal, A., Rando, T. A., Feldman, B. J.
2017; 8 (1): 669

- **Multipotent progenitors resident in the skeletal muscle interstitium exhibit robust BMP-dependent osteogenic activity and mediate heterotopic ossification** *JOURNAL OF BONE AND MINERAL RESEARCH*
Wosczyzna, M. N., Biswas, A. A., Cogswell, C. A., Goldhamer, D. J.
2012; 27 (5): 1004-1017
- **Identification of progenitor cells that contribute to heterotopic skeletogenesis.** *journal of bone and joint surgery. American volume*
Lounev, V. Y., Ramachandran, R., Wosczyzna, M. N., Yamamoto, M., Maidment, A. D., Shore, E. M., Glaser, D. L., Goldhamer, D. J., Kaplan, F. S.
2009; 91 (3): 652-663
- **A Multifunctional Reporter Mouse Line for Cre- and FLP-Dependent Lineage Analysis** *GENESIS*
Yamamoto, M., Shook, N. A., Kanisicak, O., Yamamoto, S., Wosczyzna, M. N., Camp, J. R., Goldhamer, D. J.
2009; 47 (2): 107-114