



Qianjin Guo

Instructor, Medicine - Endocrinology, Gerontology, & Metabolism

Bio

ACADEMIC APPOINTMENTS

- Instructor, Medicine - Endocrinology, Gerontology, & Metabolism

Publications

PUBLICATIONS

- **Succinate Dehydrogenase-Deficient Cancer Cells Have Increased Susceptibility to Ym155-Induced DNA Damage.** *Endocrine-related cancer*
Guo, Q., Lee, S., Armstrong, N., Lim, B., Schugar, R. C., Tomz, D., Xu, H., Zhen, A., Needleman, L., Kebebew, E., Annes, J. P.
2026
- **Functional Characterization of SDHB Variants Clarifies Hereditary Pheochromocytoma and Paraganglioma Risk and Genotype-Phenotype Relationships.** *The Journal of clinical investigation*
Lee, S., Needleman, L., Park, J., Schugar, R. C., Guo, Q., Ford, J. M., Annes, J. P.
2025
- **Early-Stage Morphogenesis of T-Tubules in Rat Cardiomyocytes: The Role of pBIN1.** *Circulation research*
Guo, Q. J., Liang, J. H., Li, H. T., Li, L. L., Guo, Y., Wang, L. P., Ma, X. L., Xie, X. J., Hou, T., Wang, S. Q.
2025
- **Osteocyte connexin hemichannels and prostaglandin E2 release dictate bone marrow mesenchymal stromal cell commitment.** *Proceedings of the National Academy of Sciences of the United States of America*
Zhang, J., Acosta, F. M., Wang, X., Zhao, D., Zhang, L., Hua, R., Guo, Q., Zhong, L., Qin, L., Riquelme, M. A., Jiang, J. X.
2025; 122 (7): e2412144122
- **Calcium Homeostasis Modulator 2 Constitutes an ATP-regulation Pore in Mitochondria** *BioRxiv*
Guo, Q., et al
2024
- **TMEM127 suppresses tumor development by promoting RET ubiquitination, positioning, and degradation.** *Cell reports*
Guo, Q., Cheng, Z. M., Gonzalez-Cantú, H., Rotondi, M., Huelgas-Morales, G., Ethiraj, P., Qiu, Z., Lefkowitz, J., Song, W., Landry, B. N., Lopez, H., Estrada-Zuniga, C. M., Goyal, et al
2023; 42 (9): 113070
- **A membrane-associated MHC-I inhibitory axis for cancer immune evasion.** *Cell*
Chen, X., Lu, Q., Zhou, H., Liu, J., Nadorp, B., Lasry, A., Sun, Z., Lai, B., Rona, G., Zhang, J., Cammer, M., Wang, K., Al-Santli, et al
2023
- **Loss of Tumour Suppressor TMEM127 Drives RET-mediated Transformation Through Disrupted Membrane Dynamics.** *bioRxiv: the preprint server for biology*
Walker, T. J., Reyes-Alvarez, E., Hyndman, B. D., Sugiyama, M. G., Oliveira, L. C., Rekab, A. N., Crupi, M. J., Cabral-Dias, R., Guo, Q., Dahia, P. L., Richardson, D. S., Antonescu, C. N., Mulligan, et al

2023

- **A RET::GRB2 fusion in pheochromocytoma defies the classic paradigm of RET oncogenic fusions** *CELL REPORTS MEDICINE*
Estrada-Zuniga, C. M., Cheng, Z., Ethiraj, P., Guo, Q., Gonzalez-Cantu, H., Adderley, E., Lopez, H., Landry, B. N., Zainal, A., Aronin, N., Ding, Y., Wang, X., Aguiar, et al
2022; 3 (7): 100686

- **Imaging Sarcoplasmic Reticulum Ca²⁺ Signaling in Intact Cardiac Myocytes** *CIRCULATION*
Lu, F., Zhao, Y., Xie, W., Guo, Q., Wang, S., Wang, X., Cheng, H.
2020; 142 (15): 1503-1505

- **Nanobar Array Assay Revealed Complementary Roles of BIN1 Splice Isoforms in Cardiac T-Tubule Morphogenesis.** *Nano letters*
Li, L., Guo, Q., Lou, H., Liang, J., Yang, Y., Xing, X., Li, H., Han, J., Shen, S., Li, H., Ye, H., Di Wu, H., Cui, et al
2020