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Bio

EDUCATION AND CERTIFICATIONS

- BSc, University of Ottawa , Biochemistry (2019)
- BAsC, University of Ottawa , Chemical Engineering (2019)

Publications

PUBLICATIONS

- **Forward genetic screening in engineered colorectal cancer organoids identifies regulators of metastasis.** *Proceedings of the National Academy of Sciences of the United States of America*
Wang, X., Cramer, Z., Leu, N. A., Monaghan, K., Durning, K., Adams-Tzivelekidis, S., Rhoades, J. H., Heintz, J., Tian, Y., Rico, J., Mendez, D., Petroni, R., King, et al
2025; 122 (46): e2510910122
- **Editing stem cell genomes at scale to measure variant effects in diverse cell and genetic contexts.** *medRxiv : the preprint server for health sciences*
Fayer, S., Garge, R. K., Hopkins, M., Friedman, C. E., McGee, A. V., Rico, J., Powell, R. L., McDermot, E., Smith, N. T., Pendyala, S., Richardson, M. E., Smith, E. D., Bowen, et al
2025
- **Combinatorial inhibition of LSD1 and Menin induces therapeutic differentiation in AML.** *bioRxiv : the preprint server for biology*
Rodríguez, M. F., Rico, J., Vijayaraghavan, M., Yan, F., King, A., Petroni, R., Leu, N. A., Goodrow, H., Bernt, K., McGeehan, G., Blanco, M. A.
2025
- **Deep learning the dynamic regulatory sequence code of cardiac organoid differentiation.** *bioRxiv : the preprint server for biology*
Metzl-Raz, E., Zhao, R., Deshpande, S., Powell, J., Porter, E. G., Zouaghi, Y., Liu, B. B., Kim, S. H., Abdi, I., Evergreen, I., Agarwal, M., Sheth, M. U., Rico, et al
2025
- **ΔNp63 regulates MDSC survival and metabolism in triple-negative breast cancer.** *iScience*
Kim, U., Debnath, R., Maiz, J. E., Rico, J., Sinha, S., Blanco, M. A., Chakrabarti, R.
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- **KAT6A and ENL Form an Epigenetic Transcriptional Control Module to Drive Critical Leukemogenic Gene-Expression Programs** *CANCER DISCOVERY*
Yan, F., Li, J., Milosevic, J., Petroni, R., Liu, S., Shi, Z., Yuan, S., Reynaga, J. M., Qi, Y., Rico, J., Yu, S., Liu, Y., Rokudai, et al
2022; 12 (3): 792-811
- **Chromatin-state barriers enforce an irreversible mammalian cell fate decision** *CELL REPORTS*
Blanco, M., Sykes, D. B., Gu, L., Wu, M., Petroni, R., Karnik, R., Wawer, M., Rico, J., Li, H., Jacobus, W. D., Jambhekar, A., Cheloufi, S., Meissner, et al
2021; 37 (6): 109967

● **Kinetic Model of Metabolism of Monoclonal Antibody Producing CHO Cells** *CURRENT METABOLOMICS*

Rico, J., Nantel, A., Phuong Lan Pham, Voyer, R., Durocher, Y., Penny, S., Surendra, A., Pinto, D., Sasseville, M., Culf, E., Leclerc, S., van het Hoog, M., Cuperlovic-Culf, M.
2018; 6 (3): 207-217