

## Brooks Benard

Computational Biologist 3, Pathology Sponsored Projects

### Publications

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#### PUBLICATIONS

- **Mutation order in acute myeloid leukemia identifies uncommon patterns of evolution and illuminates phenotypic heterogeneity.** *Leukemia*  
Schwede, M., Jahn, K., Kuipers, J., Miles, L. A., Bowman, R. L., Robinson, T., Furudate, K., Uryu, H., Tanaka, T., Sasaki, Y., Ediriwickrema, A., Benard, B., Gentles, et al  
2024
- **Distinct assemblies of heterodimeric cytokine receptors govern stemness programs in leukemia.** *Cancer discovery*  
Kan, W. L., Dhagat, U., Kaufmann, K. B., Hercus, T. R., Nero, T. L., Zeng, A. G., Toubia, J., Barry, E. F., Broughton, S. E., Gomez, G. A., Benard, B. A., Dottore, M., Cheung Tung Shing, et al  
2023
- **Germline mutations in mitochondrial complex I reveal genetic and targetable vulnerability in IDH1-mutant acute myeloid leukaemia.** *Nature communications*  
Bassal, M. A., Samaraweera, S. E., Lim, K., Bernard, B. A., Bailey, S., Kaur, S., Leo, P., Toubia, J., Thompson-Peach, C., Nguyen, T., Maung, K. Z., Casolari, D. A., Iarossi, et al  
2022; 13 (1): 2614
- **Clonal architecture predicts clinical outcomes and drug sensitivity in acute myeloid leukemia.** *Nature communications*  
Benard, B. A., Leak, L. B., Azizi, A., Thomas, D., Gentles, A. J., Majeti, R.  
1800; 12 (1): 7244
- **IL-6 blockade reverses bone marrow failure induced by human acute myeloid leukemia.** *Science translational medicine*  
Zhang, T. Y., Dutta, R., Benard, B., Zhao, F., Yin, R., Majeti, R.  
2020; 12 (538)
- **Data mining for mutation-specific targets in acute myeloid leukemia.** *Leukemia*  
Benard, B., Gentles, A. J., Kohnke, T., Majeti, R., Thomas, D.  
2019
- **Predicting response to new drugs in AML from simulation modelling: Value of the BEAT AML project as a validation resource.** *Leukemia research*  
Benard, B. n., Thomas, D. n.  
2019