Stanford

Maximilian Sabayev

Ph.D. Student in Computational and Mathematical Engineering, admitted Spring 2024

Publications

PUBLICATIONS

- **Immune Modulation by Personalized vs Standard Prehabilitation Before Major Surgery: A Randomized Clinical Trial.** *JAMA surgery*
  Cambriel, A., Tsai, A., Choisy, B., Sabayev, M., Hedou, J., Shelton, E., Singh, K., Amar, J., Badea, V., Bruckman, S., Ganio, E., Einhaus, J., Feyaerts, et al
  2025

- **Single-cell-level digital twins for preterm birth prevention strategies.** *bioRxiv : the preprint server for biology*
  Einhaus, J., Neidlinger, P., Fondeur, O., Sato, M., Anronikov, A., Miyazaki, K., Amar, J. N., Ando, K., Badea, V., Gaudilliere, D. K., Sabayev, M., Feyaerts, D., Diop, et al
  2025

- **Systemic Immune Dysregulation Induced by Preeclampsia Persists Years After Delivery**
  Sabayev, M., Feyaerts, D., Edward, G. A., Ina, S., Sato, M., Cambriel, A., Bonham, T., Mihalic, Z. N., Diop, M., Iyer, P., Sedan, O., Aghaeepour, N., Angst, et al
  SPRINGER HEIDELBERG.2025: 98A-99A

- **Infusion of young donor plasma components in older patients modifies the immune and inflammatory response to surgical tissue injury: a randomized clinical trial.** *Journal of translational medicine*
  Gaudilliere, B., Xue, L., Tsai, A. S., Gao, X., McAllister, T. N., Tingle, M., Porras, G., Feinstein, I., Feyaerts, D., Verdonk, F., Sabayev, M., Hedou, J., Ganio, et al
  2025; 23 (1): 183

- **An immune signature of postoperative cognitive decline: A prospective cohort study.** *International journal of surgery (London, England)*
  Verdonk, F., Cambriel, A., Hedou, J., Ganio, E., Bellan, G., Gaudilliere, D., Einhaus, J., Sabayev, M., Stelzer, I. A., Feyaerts, D., Bonham, A. T., Ando, K., Choisy, et al
  2024

- **Discovery of sparse, reliable omic biomarkers with Stabl.** *Nature biotechnology*
  Hédou, J., Marić, I., Bellan, G., Einhaus, J., Gaudillière, D. K., Ladant, F. X., Verdonk, F., Stelzer, I. A., Feyaerts, D., Tsai, A. S., Ganio, E. A., Sabayev, M., Gillard, et al
  2024

- **Spatial subsetting enables integrative modeling of oral squamous cell carcinoma multiplex imaging data.** *iScience*
  Einhaus, J., Gaudilliere, D. K., Hedou, J., Feyaerts, D., Ozawa, M. G., Sato, M., Ganio, E. A., Tsai, A. S., Stelzer, I. A., Bruckman, K. C., Amar, J. N., Sabayev, M., Bonham, et al
  2023; 26 (12): 108486