

Andreas Gschwind

Basic Life Science Research Scientist, Genetics

Publications

PUBLICATIONS

- **Genome-scale mapping of variant, enhancer and gene function in primary human CD4+ T cells.** *bioRxiv : the preprint server for biology*
Moonen, D. P., Claringbould, A., Gschwind, A. R., Schrod, S., Braunger, J., Feng, C., Rauscher, B., Yi, J., Bi, S. Z., Matthes, Y., Kaulich, M., Acob, R. A., Ayer, et al
2026
- **Enhancer-targeting CRISPR screens at coronary artery disease loci suggest shared mechanisms of disease risk.** *medRxiv : the preprint server for health sciences*
Ramste, M., Weldy, C., Kundu, S., Zhao, Q., Li, D., Brand, K., Sharma, D., Ramste, A., Jagoda, E., Ray, J., Caceres, R. D., Galante, J., Gschwind, et al
2025
- **Deciphering the impact of genomic variation on function.** *Nature*
2024; 633 (8028): 47-57
- **An encyclopedia of enhancer-gene regulatory interactions in the human genome.** *bioRxiv : the preprint server for biology*
Gschwind, A. R., Mualim, K. S., Karbalayghareh, A., Sheth, M. U., Dey, K. K., Jagoda, E., Nurtdinov, R. N., Xi, W., Tan, A. S., Jones, H., Ma, X. R., Yao, D., Nasser, et al
2023
- **Single-cell analyses reveal SARS-CoV-2 interference with intrinsic immune response in the human gut.** *Molecular systems biology*
Triana, S., Metz-Zumaran, C., Ramirez, C., Kee, C., Doldan, P., Shahraz, M., Schraivogel, D., Gschwind, A. R., Sharma, A. K., Steinmetz, L. M., Herrmann, C., Alexandrov, T., Boulant, et al
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- **Combined transient ablation and single cell RNA sequencing reveals the development of medullary thymic epithelial cells.** *eLife*
Wells, K. L., Miller, C. N., Gschwind, A. R., Wei, W., Phipps, J. D., Anderson, M. S., Steinmetz, L. M.
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- **Targeted Perturb-seq enables genome-scale genetic screens in single cells.** *Nature methods*
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2020
- **Population Variation and Genetic Control of Modular Chromatin Architecture in Humans** *CELL*
Waszak, S. M., Delaneau, O., Gschwind, A. R., Kilpinen, H., Raghav, S. K., Witwicki, R. M., Orioli, A., Wiederkehr, M., Panousis, N. I., Yurovsky, A., Romano-Palumbo, L., Planchon, A., Bielser, et al
2015; 162 (5): 1039-1050
- **Coordinated Effects of Sequence Variation on DNA Binding, Chromatin Structure, and Transcription** *SCIENCE*
Kilpinen, H., Waszak, S. M., Gschwind, A. R., Raghav, S. K., Witwicki, R. M., Orioli, A., Migliavacca, E., Wiederkehr, M., Gutierrez-Arcelus, M., Panousis, N. I., Yurovsky, A., Lappalainen, T., Romano-Palumbo, et al
2013; 342 (6159): 744-747