

## MICROARRAYS AND SOMATIC MOSAICISM

or: How software can revolutionize old microarrays data.

Deep genome sequencing remains the gold standard for detecting somatic clonal mosaicism, but its cost keeps it out of routine use. C. Terau has found a way to extract this information from standard DNA microarrays that already exist by the millions (1). The key is MoChA (Mosaic Chromosomal Alterations), a specialized software tool that detects mosaic mutations, the subtle changes occurring in only a fraction of cells as we age, which are linked to future risks of blood cancers and cardiovascular disease. This new "digital lens" can re-analyze the vast archive of microarray data already in existence. A compelling example of how smart bioinformatics can transform routine diagnostic tools into powerful research instruments, without generating a single new sample.

1. <https://www.nature.com/articles/s41576-026-00948-0>