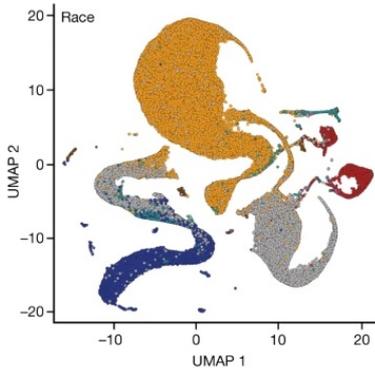


GENETICS

GENETIC DRIVERS OF HETEROGENEITY

26.02.2024



“Genetic drivers of heterogeneity” is the new description for the failed genetic concept of “reverse genetic engineering” – where we see now only sand running through the fingers.

The genetic cause of type II diabetes explodes now into fragments. There are now 1,289 “association signals” [in a new study](#) while in another study published back to back in Nature [1 billion new genetic variants](#) are being described that have not been included in the 1289 or 08-15 analysis.

What is the purpose of counting grains of sand?

And why introducing a new concept of race as noted also [by others](#)?

27 Feb 2024

Another reaction by [Michael Eisen](#) and Ewan Birney

The problem, critics said, is that UMAP creates blobs that look distinct while masking the inherent messiness in the data. “The fact that they are distinct is an artefact/feature of UMAP,” Ewan Birney, director of the European Bioinformatics Institute, wrote in a long thread

and by [Lior Pachter](#) who has an analysis way beyond the outrage

We begin with the figure legend, which lists Race, Ethnicity and Ancestry. Race and Ethnicity refer to the self identified race choices for participants (based on the OMB categories). Ancestry refers to the genetic ancestry groups discussed above. While these three concepts are distinct, the Ancestry colors are the same as some of the Race and Ethnicity colors: This is problematic because the coloring suggests a 1-1 identification between certain races and ethnicities, and genetic ancestry groups.

where we indeed arrive now at [scientific racism](#).

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