Switzerland Omics quantifies genomic variant evidence and applies rigorous statistical modelling to deliver calibrated, evidence-based interpretations, integrating priors and unobserved events for precise, probabilistic conclusions.

Technically sound,
Incredibly simple.

The missing element

Genomic data is everywhere. But clear, calibrated interpretation is not. Variant evidence is scattered. Uncertainty is ignored. Decisions are made without probability.

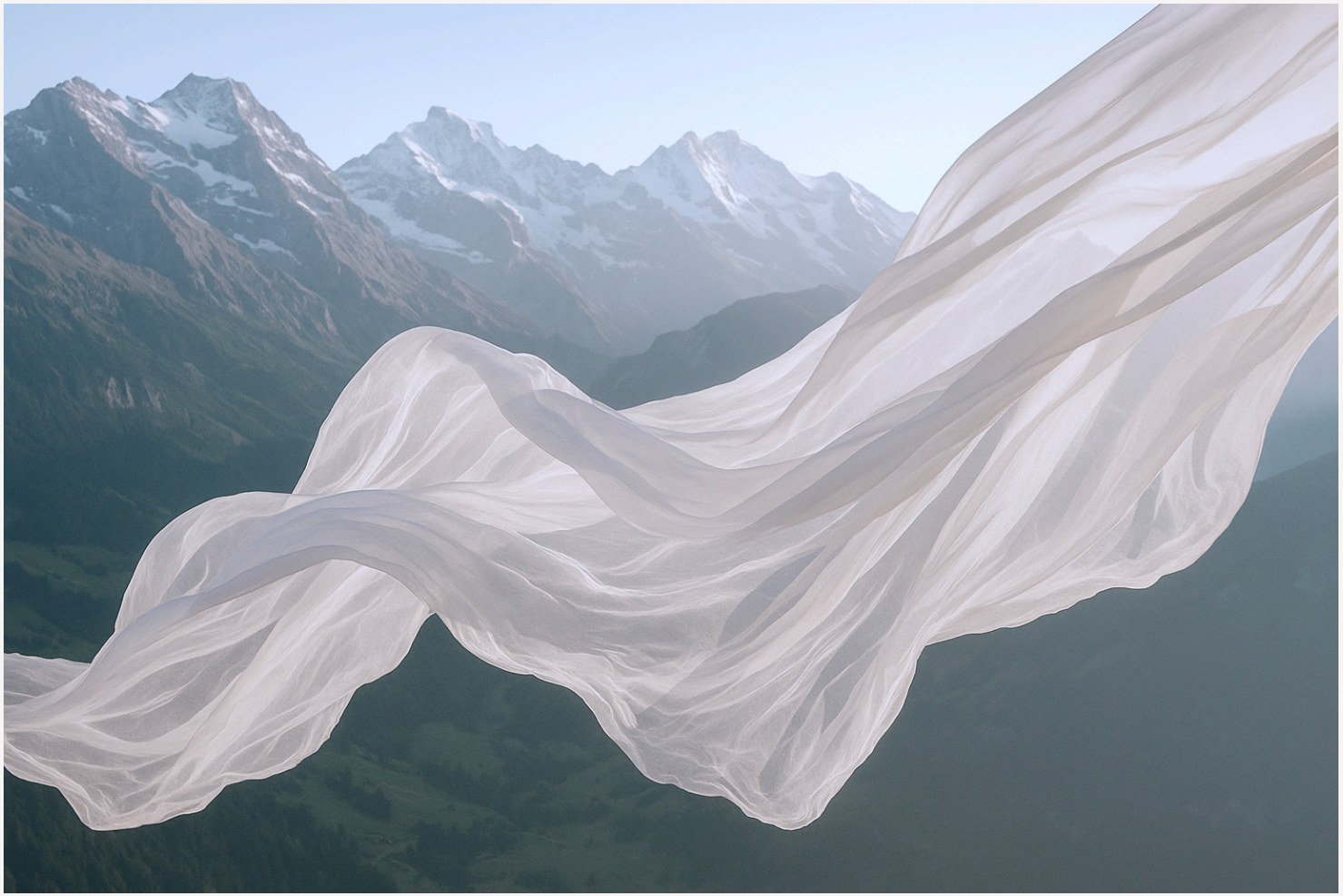
A new foundation

We started with a simple principle: evidence must be quantified. All of it. From the strongest known mutations to the faintest statistical signals.

Mathematics first

We built a formal framework. Grounded in probability theory, population genetics, and Bayesian inference. Designed to handle not only what’s observed, but what’s missing.

From ambiguity to precision



Genetic results should not be vague, binary, or left open to guesswork. Our models identify the most likely interpretation based on all available evidence. Every answer is quantified. Every ambiguity resolved. Not yes-or-no — but a definitive answer, with measured confidence.

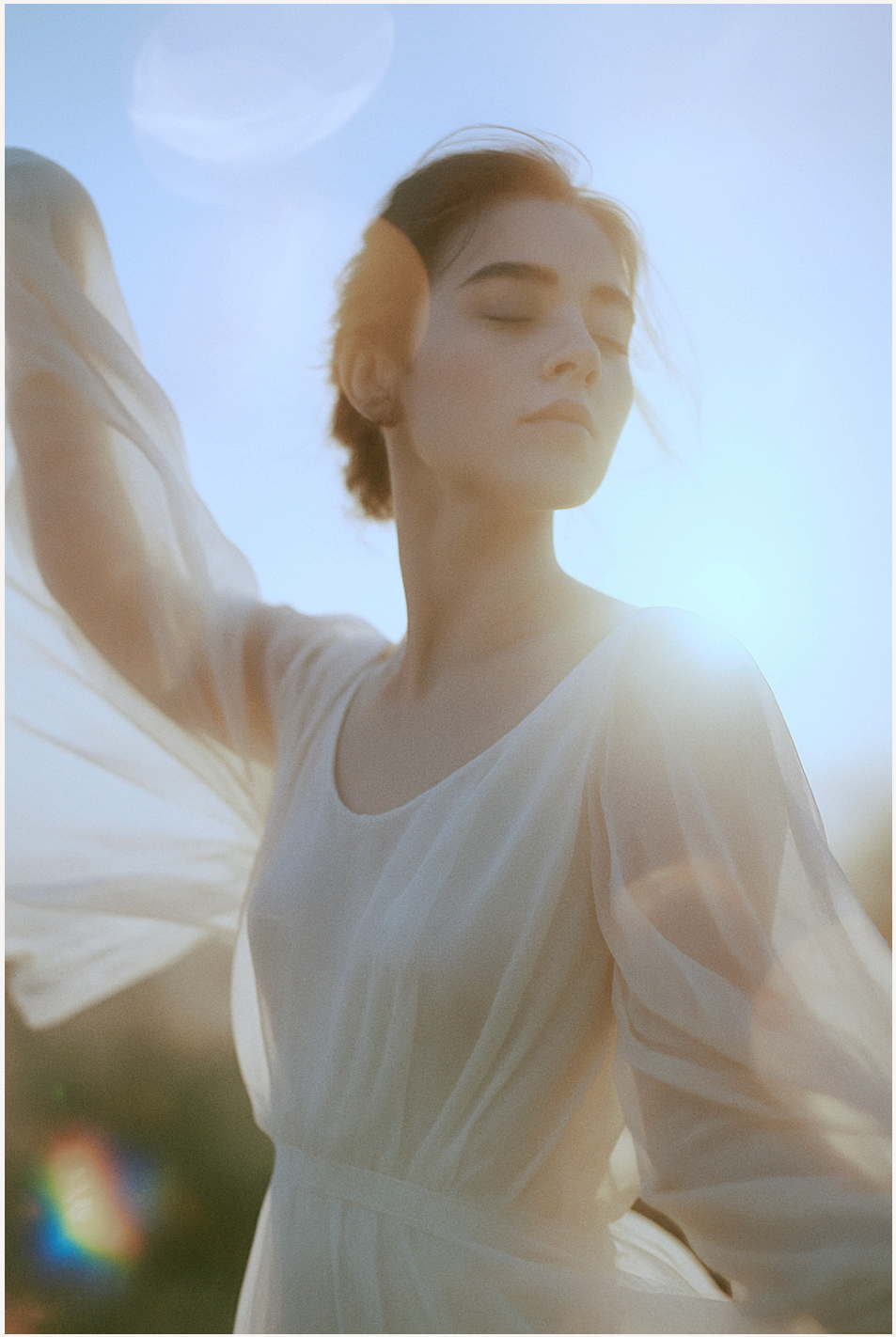
The tools we needed

To make it work, we designed our own tools. Variant scoring. Panel curation. Probabilistic simulation. Evidence-aware summaries. All reproducible. All auditable.

Clinically ready

From single-patient analysis to nationwide studies, our methods scale. Every result is transparent. Every number has a reason. No more guesswork.

Design matters



Precision deserves elegance. Our interfaces are clear. Our outputs are human-readable. Our language is statistical, not sensational.

The future is calculated

AI in genomics will only be as good as the priors it learns from. We’re building and testing that layer. Quantified, structured, and ready for integration.

Zürich

47° 22′ 28″ N

08° 32′ 28″ E

Founded in Zürich.
Built on rigour.
Calibrated for trust.

switzerlandomics.ch

Technically sound,
Incredibly simple.

“Ethereal Precision” stands at the intersection of science and landscape, presence and absence. It is an exploration of scale and the tension between permanence and impermanence.

In these images, the Swiss Alps are not backdrop but collaborator; the figure is not subject but participant. Each composition is a deliberate act of reduction: fewer lines, fewer colours, more meaning. Motion blur and soft focus are not flaws but intentional choices, reminding us that certainty is never absolute, only ever approached.

Like the scientific frameworks we build, these photographs distil complexity into structure, and structure into clarity. They invite the viewer to recognise that true understanding lies not in control, but in attention, whether of a genome or a horizon.

“In the vast, indifferent landscape, structure reveals itself slowly. My work seeks not to impose order on nature, but to recognise the precision already within it - fleeting, uncertain, and real.”

Ethereal Precision, by E. B. Laurent, Zurich, 2025.