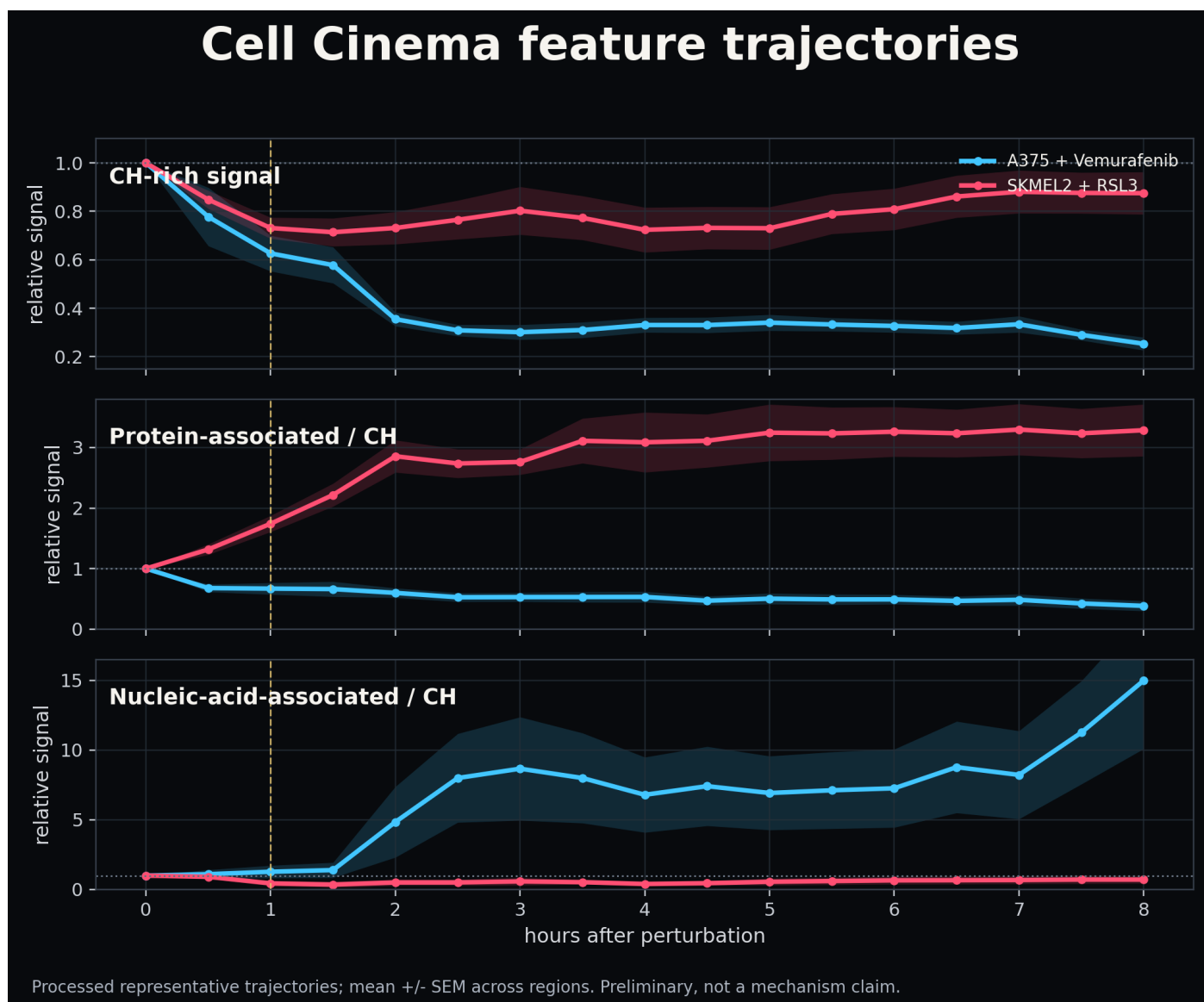


LIVE-CELL DATA FOR VIRTUAL CELL AI

Different response paths. Distinct late feature profiles.

Cell Cinema follows chemical and spatial features in living cells over time.¹ The published processed examples below show how two cell-model/treatment contexts separate across eight hours - in the direction, timing, and persistence of their feature changes.²



Published processed feature trajectories, 0-8 h. Blue: A375 + vemurafenib. Pink: SK-MEL-2 + RSL3. Shading is labeled mean $\pm$ SEM across regions in the source; this does not establish replication across independent cells. The examples differ in both cell model and treatment.

[Open the source figure and trajectory discussion](#)

READING THE TRAJECTORIES

What separates the paths?

The trajectory adds the sequence of change: an early decrease, a sustained shift, a partial rebound, or a further late rise. Here is what is visible in the published profiles.²

0-2 h	Early separation CH-rich signal falls in both examples, more strongly in A375. The protein-associated/CH ratio rises in SK-MEL-2 while falling in A375.
2-6 h	Different paths persist A375 maintains a low CH-rich signal and a high nucleic-acid-associated/CH ratio. SK-MEL-2 maintains an elevated protein-associated/CH ratio.
6-8 h	Distinct late behavior A375 shows a further late rise in nucleic-acid-associated/CH. SK-MEL-2 shows a partial CH-rich rebound while its protein-associated/CH ratio remains elevated.

WHERE THE PUBLISHED PROFILES END: 8 h

Qualitative reading of the figure

Processed feature	A375 + vemurafenib	SK-MEL-2 + RSL3
CH-rich signal	Remains low	Partial return toward start
Protein-associated / CH	Below starting level	Sustained elevation
Nucleic-acid-associated / CH	Elevated, with late rise	Below starting level

FROM LATE FEATURE STATES TO BIOLOGICAL OUTCOMES

These examples show distinct processed paths and late feature states. A rising ratio can reflect a falling CH denominator; it does not establish more DNA or protein. Linking these states to recovery, persistence, or death requires matched fate assays, controls, and independent biological replicates.³

Evaluate a defined response question

Pair live trajectories with independent outcome measurements.

Contact Precigenetics

1 Measurement record / 2 Published trajectories / 3 Evaluation criteria
Precigenetics public technical preview - www.preci.ai/cellcinema