

Choose the Smarter Path to Real-Time Cell Analysis Insights

AI-powered label-free imaging analysis plus kinetic impedance data provide a more complete biological picture.



Manual image analysis can introduce subjective variability that builds across analysis steps, creating hidden workflow drift over time.

eSight AI helps reduce that variability by standardizing label-free imaging analysis and adding visual context to impedance biosensing data.

The Hidden Problem: Workflow Drift

In manual image analysis, workflow drift often starts with three sources of subjective variability:



Analyst-to-Analyst Variability

Different users make different manual setup and analysis decisions.



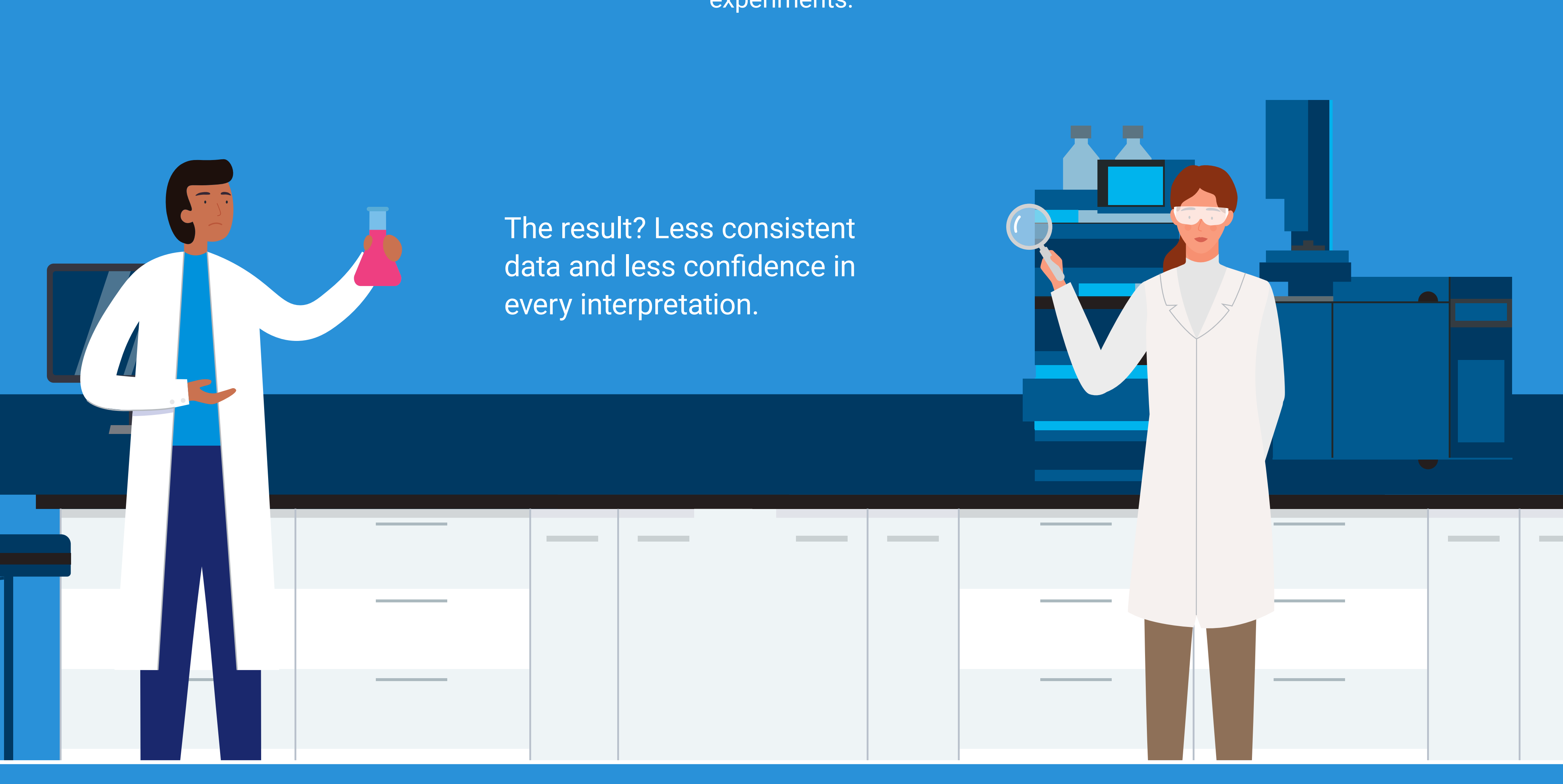
Experimental Variability

Image quality, cell behavior, and assay setup can shift across experiments.



Decision Fatigue

Sustained data analysis can shift judgment over time.



The Smarter Path Forward: eSight Imaging AI

Consistent image analysis is the foundation of confident biological insight. Standardize image analysis before workflow drift builds.

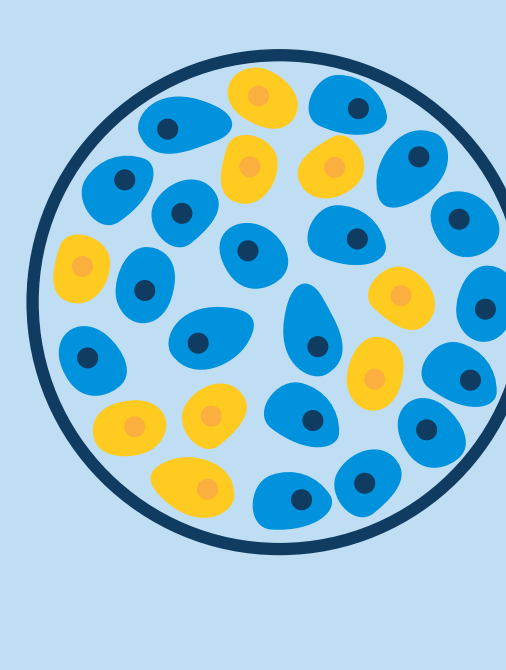


Simplified Imaging Analysis. Greater Confidence.

Simplified Label-Free Imaging Analysis

eSight AI simplifies brightfield image analysis by automatically identifying and segmenting cells without parameter tuning or manual thresholding.

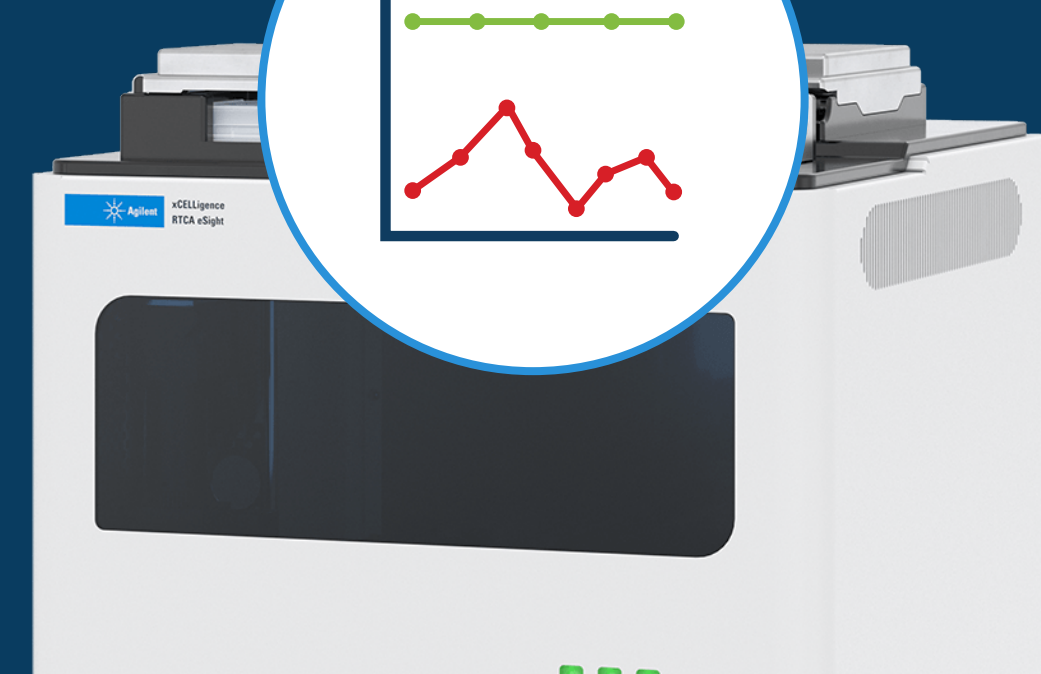
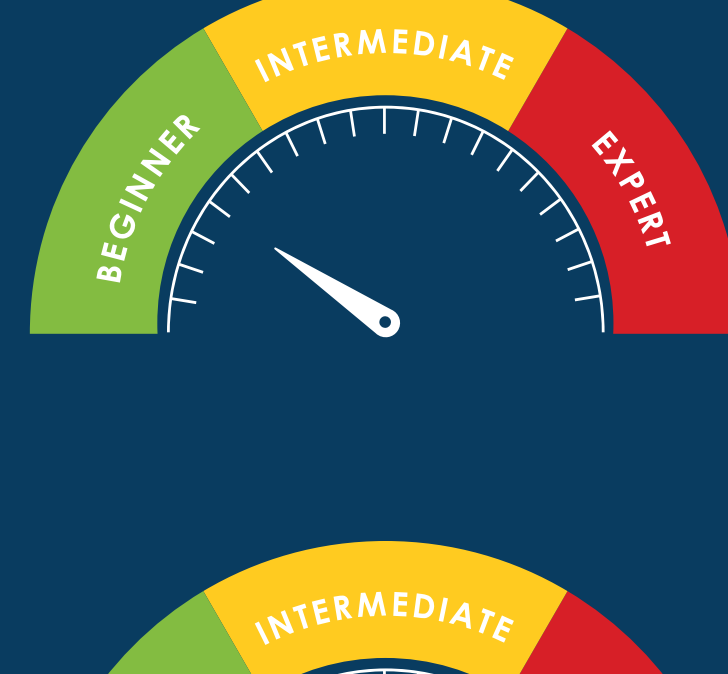
- Reduce time spent adjusting analysis settings
- Minimize user-dependent interpretation
- Preserve cell physiology with label-free analysis
- Spend more time interpreting results, not configuring workflows



Consistent Analysis Across Complex Datasets

eSight AI applies learned segmentation criteria across diverse brightfield datasets, helping reduce variability as experimental conditions change.

- Account for changing image quality and cellular behavior
- Reduce subjective review
- Compare results with greater confidence
- Keep analysis consistent as complexity increases



Consistent Analysis at Scale

Scale imaging studies without increasing analytical complexity. eSight AI maintains consistent image analysis as throughput and dataset size grow.

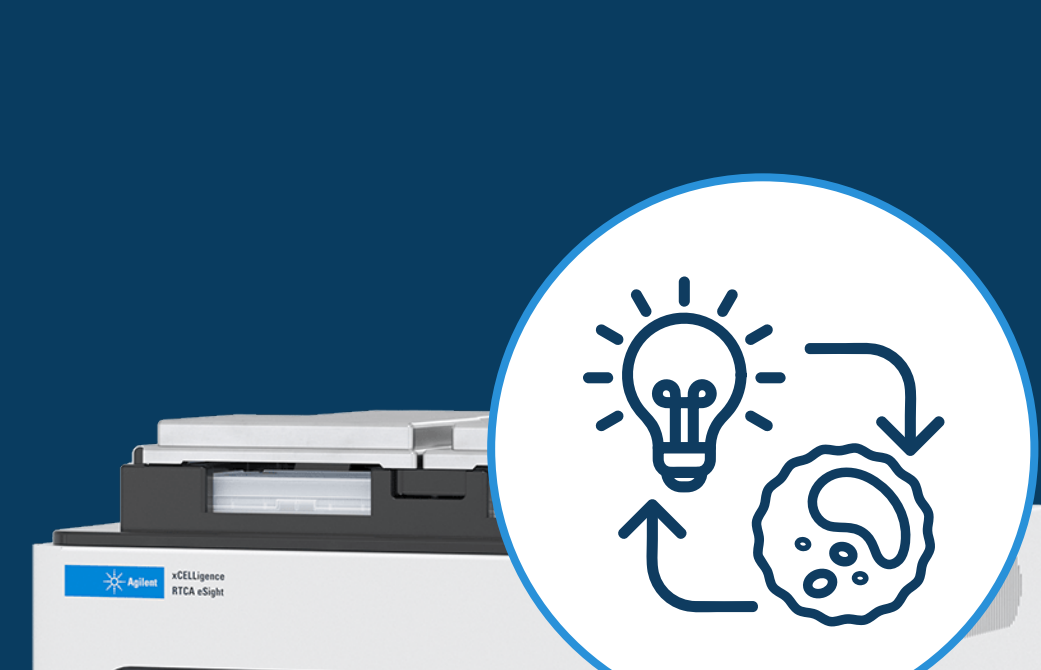
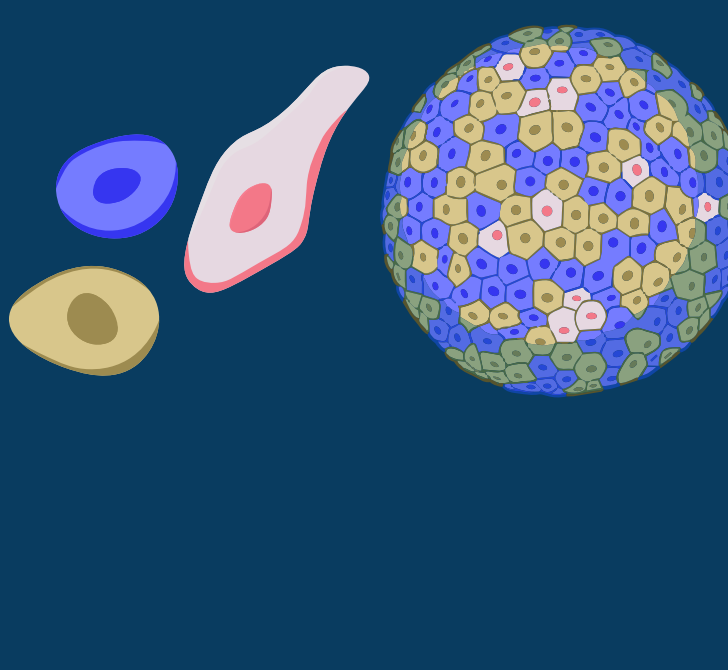
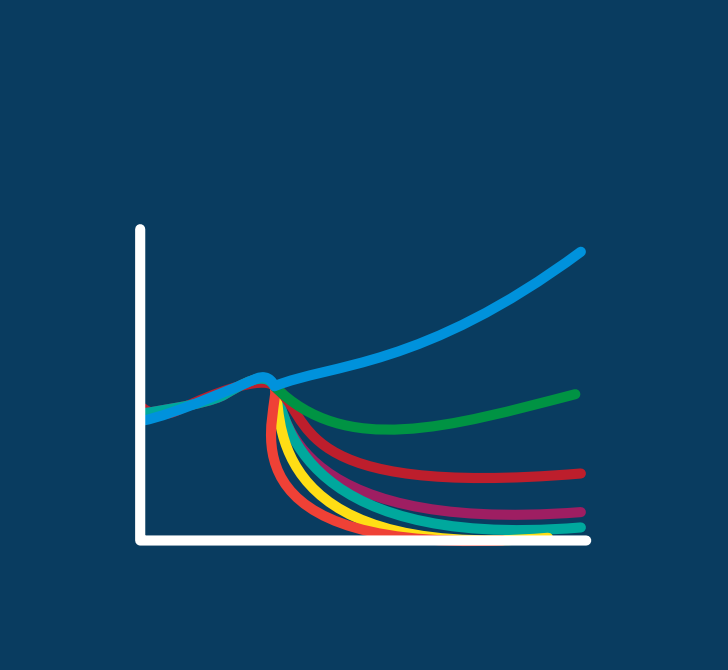
- Image up to five 96-well plates in one workflow
- Scale studies without slowing analysis
- Maintain consistent analysis as studies expand
- Analyze more images with confidence



Integrated Cellular Insights

Connect AI-powered response imaging analysis with kinetic cellular response data to better understand what cells are doing – and why.

- Add visual context to dynamic real-time cellular behavior
- Track morphological and kinetic changes as they unfold
- Reduce ambiguity in complex cellular responses
- Move from data collection to confident interpretation



Smarter Cell Analysis Tools



[Explore AI-powered imaging analysis with eSight](#)