

Mechanism & Quality Insights for Complex Biologics

Building on 35 Years of Scientific Expertise and Innovation

Advanced Analytics & Multi-omics solutions for New Modalities

iBET provides deep mechanism and quality insights for complex biologics, ATMPs, and advanced delivery systems. We integrate proteomics, metabolomics/fluxomics, transcriptomics, high resolution mass spectrometry, biophysics, and ML pipelines into bespoke bioanalytical workflows, to provide actionable understanding of product quality, stability, MoA, immune response, and critical risks, from discovery to CMC ready development.



What We Offer

- > Integrated multi-omics, mass spectrometry and bioanalytics delivering mechanistic, quality, and developability insights.
- > Mapping CQAs with high granularity, understanding MoA, uncovering hidden liabilities, and de-risking biologics, ATMPs, ADCs, vectors, and novel delivery systems.



Why Work With Us?

- > Deep integration of omics, bioanalytics, biophysics & data science in one ecosystem.
- > High resolution MS, MAM, proteomics, metabolomics & transcriptomics for CQA level clarity.
- > Integrated biophysics suite – mass photometry, SPR/BLI kinetics, nanoparticle analytics, and high-content binding assays.
- > Mechanism reflective assays for potency, MoA, immunogenicity & cell based functional performance.
- > Proven experience supporting complex biologics, ADCs, ATMPs, and novel modality development.



Application for Pharma, Biotech & Analytical Developers

- > CQA & molecular fingerprint mapping for mAbs, bi- and multi-specifics Abs, ADCs, and recombinant biologics.
- > Mechanism of action & functional signatures powered by multi omics, across complex modalities.
- > Potency, immunogenicity & MoA reflective assays grounded in advanced cell and immune models to de risk biologics, vectors & cell based therapeutics.
- > Developability & aggregation risk profiling integrated with ML driven analytics to accelerate candidate selection and formulation.



What Makes iBET Different

- > Unique combination of Omics + UniMS + bioanalytics + biophysics + data science.
- > Ability to link mechanistic insights from advanced cell models directly to product performance.
- > MAM, advanced PTM/glyco profiling, stability pathways, impurity mapping & multi parameter risk evaluation.
- > Machine learning enabled interpretation and predictive quality modelling.
- > Long standing collaborations with pharma and biotech in biologics and analytical development.

How can we work together?

- > Mechanistic & omics based deep dive studies
- > CQA definition packages and analytical strategy design
- > Toxicity, potency, MoA & functional assay development
- > Developability and aggregation/self interaction screening



[Check our toolboxes for scientific insights and data](#)