PyxisLabs

You mapped the genome. Now see what it's doing.

Pyxis measures the small molecules, lipids and peptides that carry out biology, with calibrated concentrations from instruments you already run.

95%

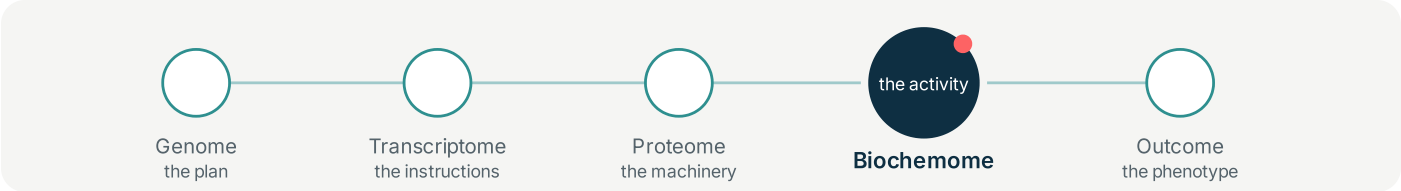
of drugs, diagnostics and programs fail

Biology is still run by trial and error

Teams can't see the biology they are changing, so they test, wait and try again. Genomics shows what a cell could do, but not what it is doing.

The missing layer is the biochemome

Every upstream omic ends in chemistry: the metabolites, lipids and peptides a drug can actually act on. Most of that signal has sat unidentified, as biochemical dark matter.



Pyxis measures it

- Small molecules, lipids and peptides in one run
- Identification beyond the reference library, from the Large Spectral Model
- Calibrated concentrations, no physical standards or kits
- Results that compare across runs and studies
- Runs on Thermo, SCIEX, Bruker and Waters instruments
- Biological interpretation with every result

Standard methods can get the biology wrong. In our published qFBA study, relative signal led to biologically incorrect results. Pyxis concentrations corrected them.

89.2%	Recall on NIST SRM 1950
100K+	Published benchmarks
11x	Lower cost than conventional

From guessing to seeing, and then predicting

With measurements that hold from study to study, teams can explain mechanism, compare cohorts and predict outcomes before committing to the next experiment.

Send us samples

Our lab returns identifications, concentrations and interpretation in days.

Run Pyxis in your lab

License Pyxis for your own instruments. Methods and calibrants included.

Our business is making the biology visible. Your programs, your molecules, your IP.

What question are you trying to answer?

Tell us about your study and we'll suggest where to start.

pyxislabs.bio/contact