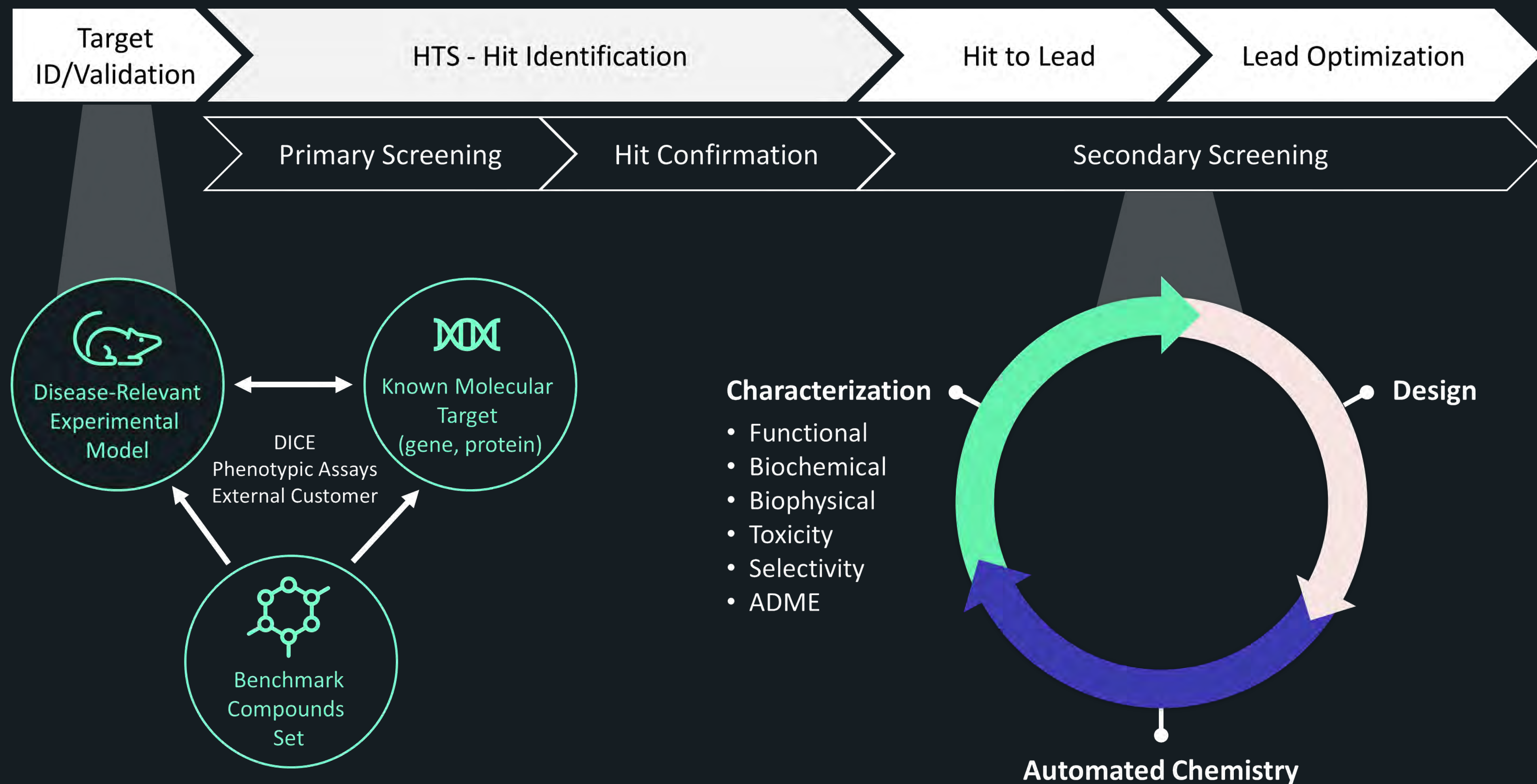




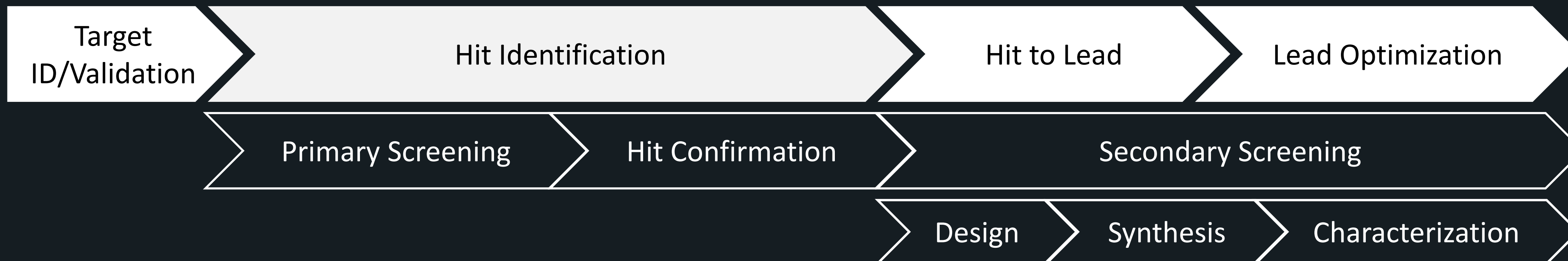
New HTS Products and Services



Small Molecule Drug Discovery Workflows



Workflow Flexibility- The Strateos Small Molecule Drug Discovery Catalog



HTS Development

- ☐ Biochemical
- ☐ Cell Based
- ☐ Phenotypic
- ☐ *Label Free*
- ☐ *AS-MS*
- ☐ *High Content Screening*

Confirmatory Development Services

- ☐ Dose response
- ☐ Counter Screen



Hit Identification

Screening

- ☐ Biochemical
- ☐ Cell Based
- ☐ Phenotypic
- ☐ *Label Free*
- ☐ *AS-MS*
- ☐ *High Content Screening*

Library

- ☐ BYOL
- ☐ Focused
- ☐ Diversity 50k
- ☐ Full Deck 500k
- ☐ Iterative
- ☐ *DEL*
- ☐ *Virtual Screening*

Hit Confirmation

- ☐ Dose response
- ☐ Counter Screen
- ☐ Reorder/Resynthesis

Data Analysis

- ☐ Raw data
- ☐ *Analysis package*



Hit to Lead and Lead Op.

- ☐ Dose Response (Potency)
- ☐ Secondary assay
- ☐ Design and Synthesis of compounds SAR/ Med Chem
- ☐ Order/Synthesis
- ☐ Toxicity
- ☐ Selectivity
- ☐ *Preliminary ADME (in vitro)*

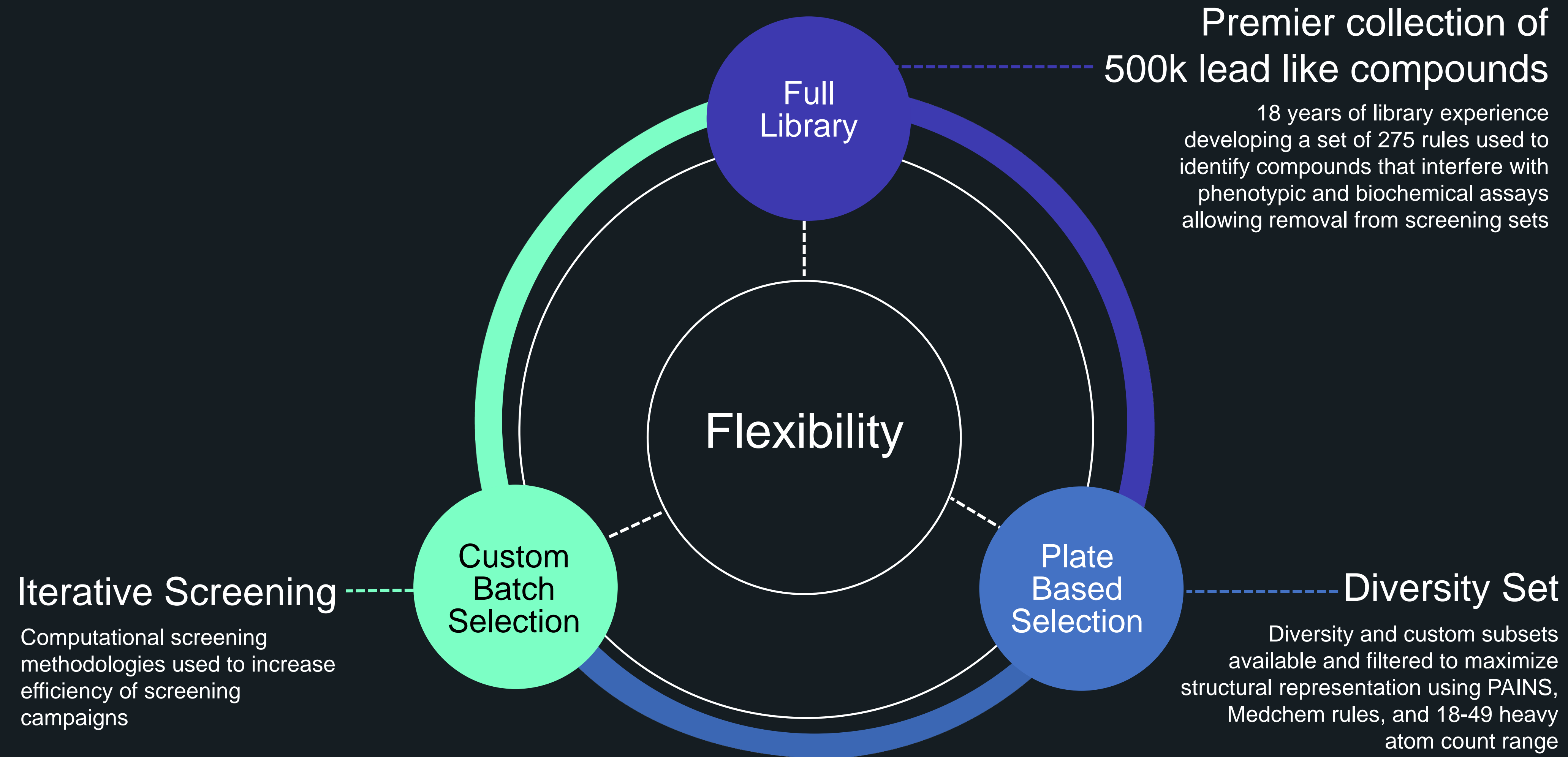


New Chemical Libraries

Small Molecule Chemical Collections

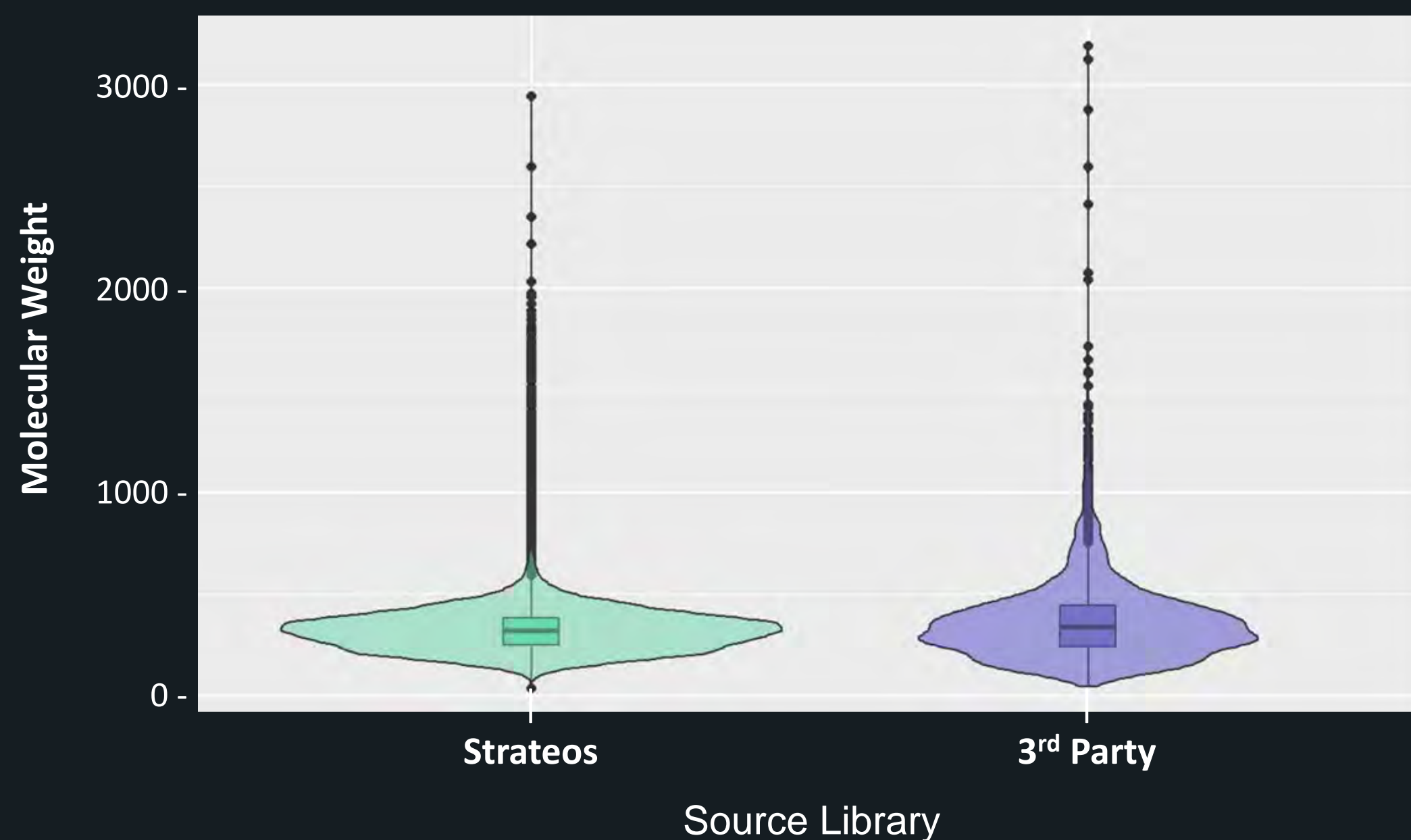
- Chemical libraries for drug discovery, drug target identification, and pharmaceutical-related applications
- 500K compounds found in a publicly available structure databases
- Multiple diversity subsets and formats available
- Many compounds are FDA-approved and validated by literature, preclinical and clinical research
- Solubilized in DMSO at 10 mM

Small Molecule Chemical Libraries

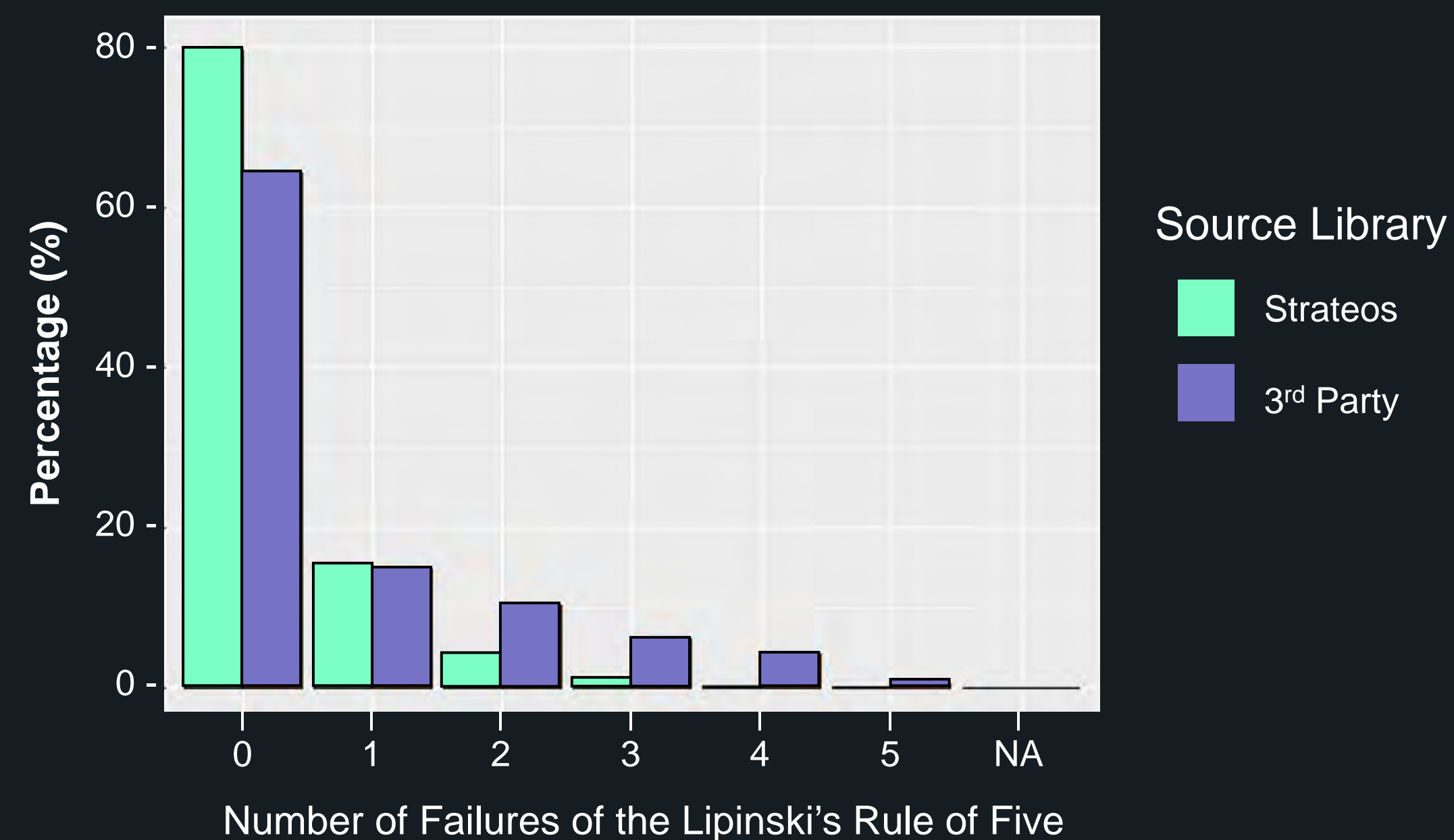


Greater Coverage of Chemical Space- Meaningful Hits, Faster Development

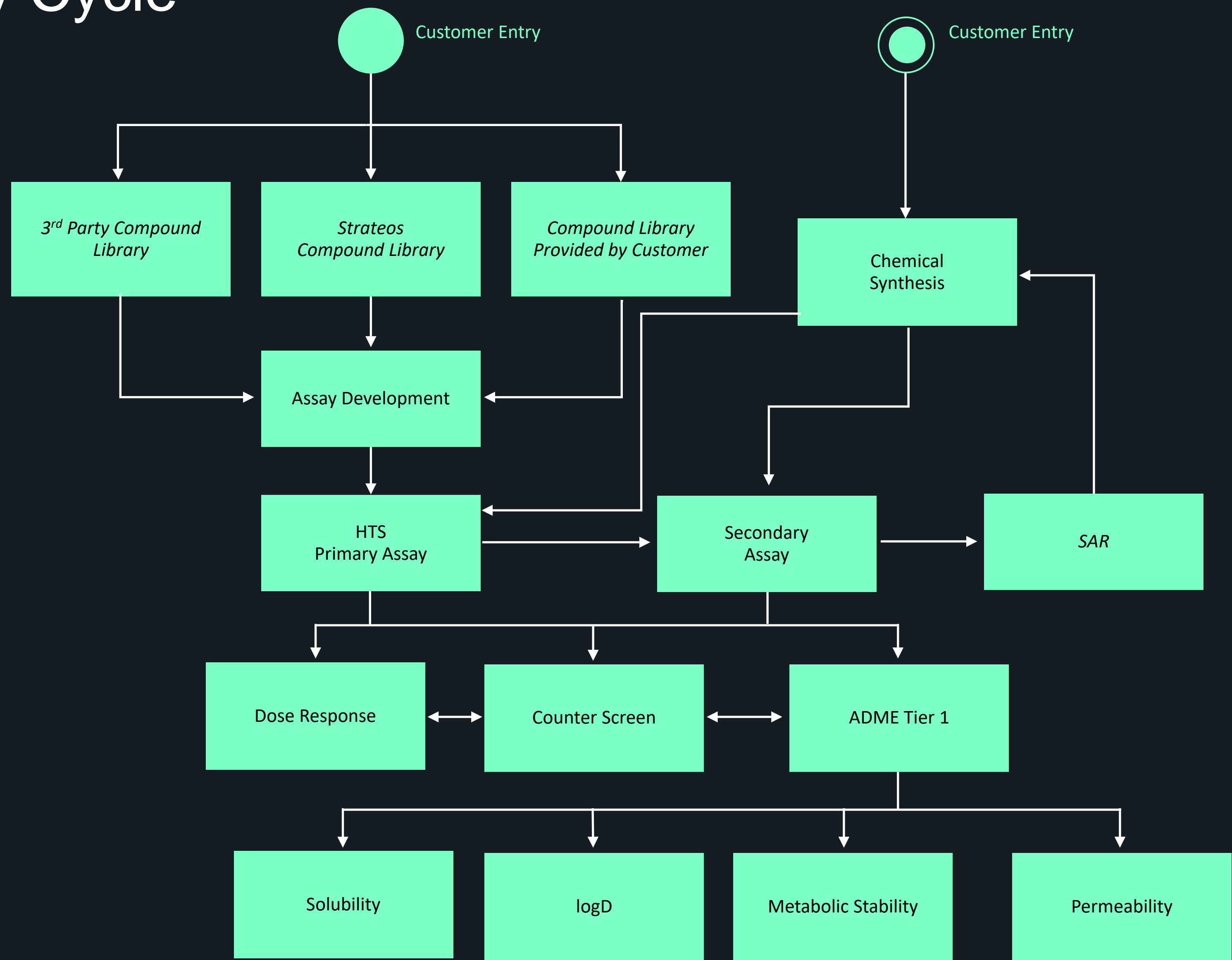
Distribution of Molecular Weight



Distribution of Number of Failures of the Lipinski's Rule of Five



Drug Discovery Cycle





The Facilities

TST1

Biochemical Assay Module, available today

- *-glo, HTRF, Alpha, FI, LANCE
- Assays performed at ambient temperature
- SAR/MTS hub
- Fully automated under Strateos Common Lab Environment (SCLE)
- Equipment:
 - Formulatrix Tempest and BioTek Multiflo dispensers
 - Pherastar FSX multimode plate reader
 - Echo 655T acoustic dispenser
 - BioNex HiG centrifuge
 - Wasp sealer and Brooks peeler



TST2

Analytical Testing Module

- Tier 1 ADME assays
 - Kinetic solubility
 - LogD
- Sample preparation for affinity selection mass spectrometry (ASMS)



TST3

Cell Based and Biochemical Assay Module

- Equipment (in addition to what is found on TST1):
 - Liconic automated incubators for 37°C and ambient incubation
 - HRB Lid Valets
 - Hamilton Nimbus
 - BSL2 compliant
- Capable of cell based and biochemical assays
- Primarily built for 96 and 384 well assays
- Will be used for weekly SAR
- Capable of MTS



TST4

TC and Cell Based Assay Module

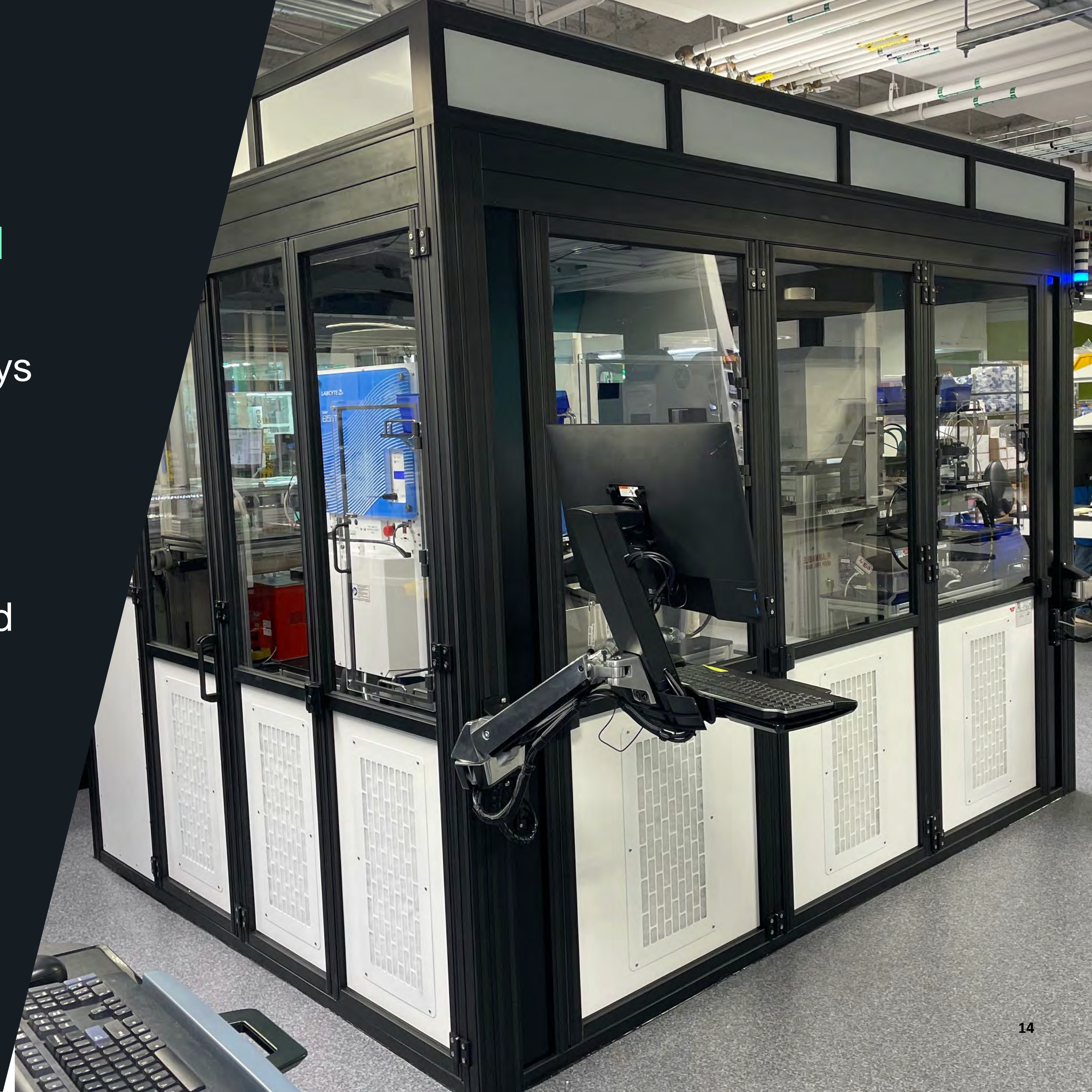
- Equipment:
 - Liconic automated incubators for 37°C
 - Hamilton Star
 - BioTek Neo 2 plate reader
 - BSL2 compliant
- Capable of tissue culture, cell based and biochemical assays
- Primarily built for 96 and 384 well assays
- Low throughput, prolonged kinetic assays



TST5

1536 HTS Cell Based and Biochemical Assay Module

- Primarily built for 1536 and 384 well assays
- Focus for HTS and MTS in 1536
- Capable of cell based and biochemical assays
- Expansion to high content assays planned
- Equipment
(in addition or similar to what is found on TST3):
 - 2 GNF Washer Dispenser II
 - Weigh station
 - BSL2 compliant





Our mission is to turn biology and chemistry into knowledge driven by data, computation, automation and high-throughput robotics with the goal of fundamentally advancing drug discovery and the greater life science industries

Thank You!
See us at Booth 44

strateos.com

