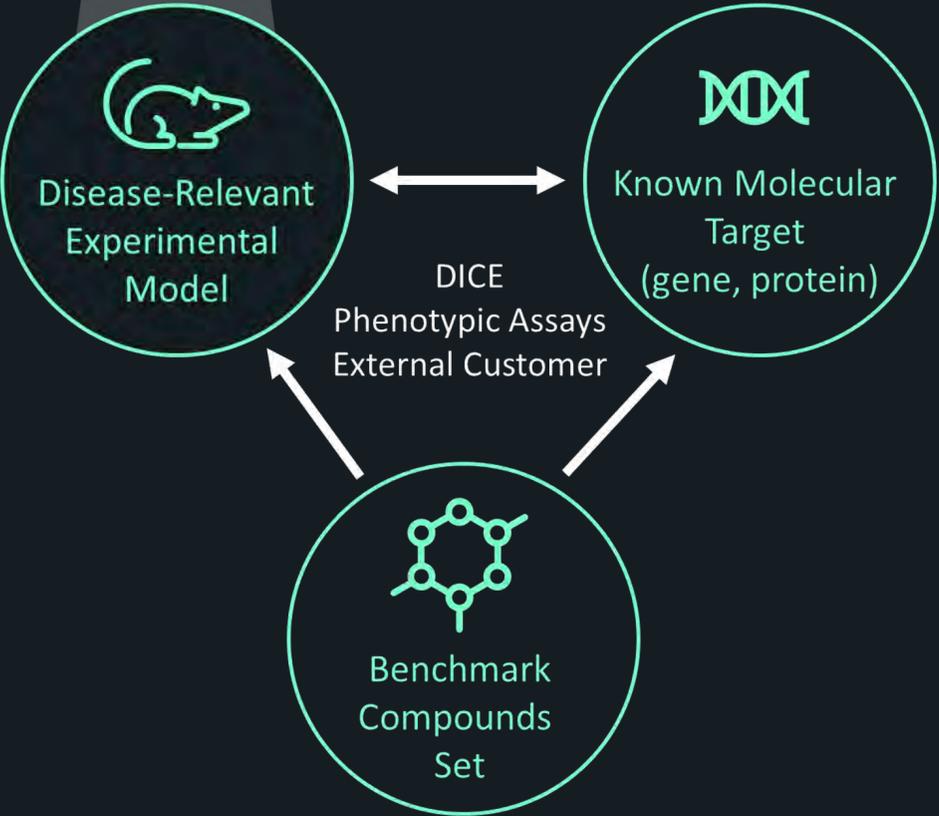
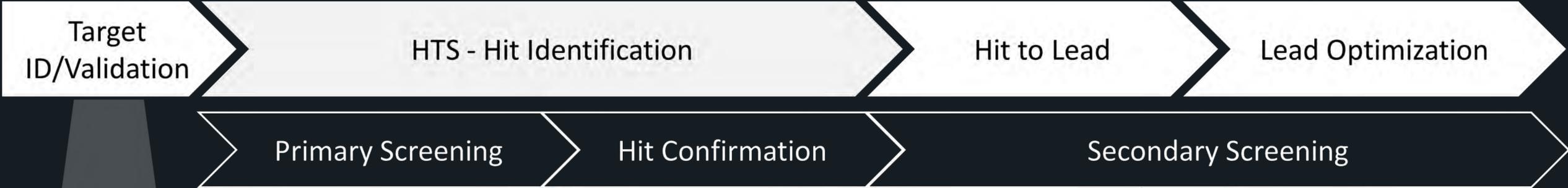




# New HTS Products and Services

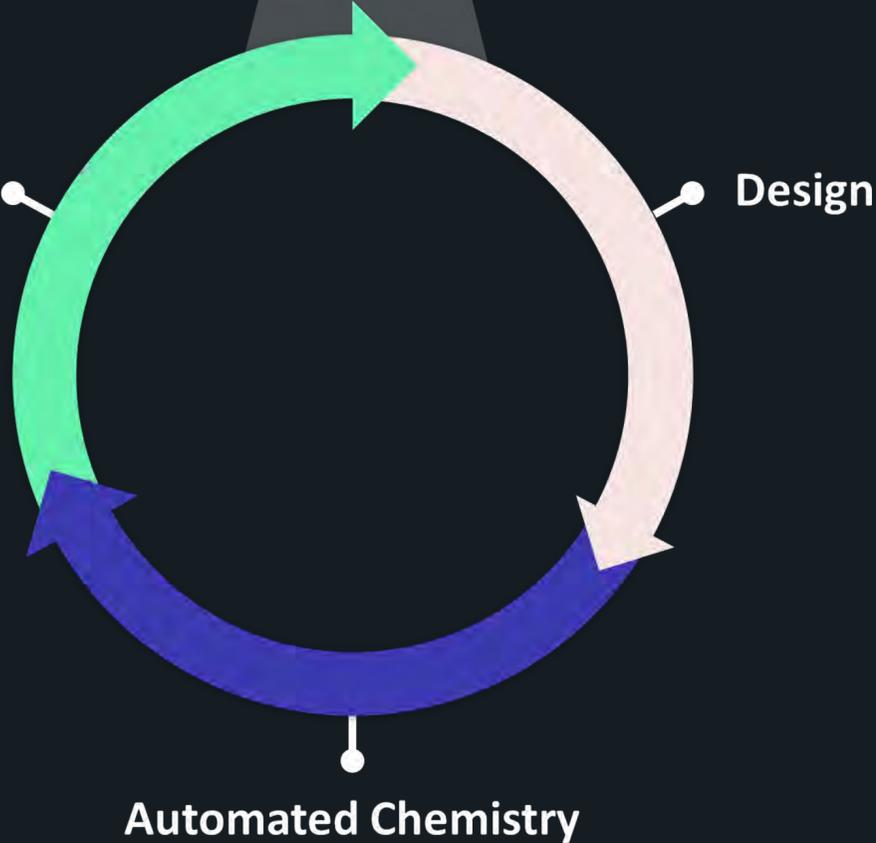


# Small Molecule Drug Discovery Workflows

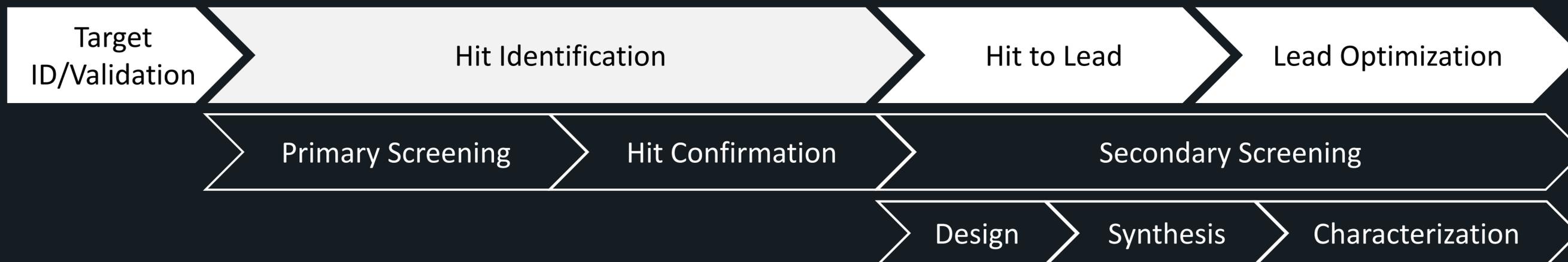


### Characterization

- Functional
- Biochemical
- Biophysical
- Toxicity
- Selectivity
- ADME



# 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)*

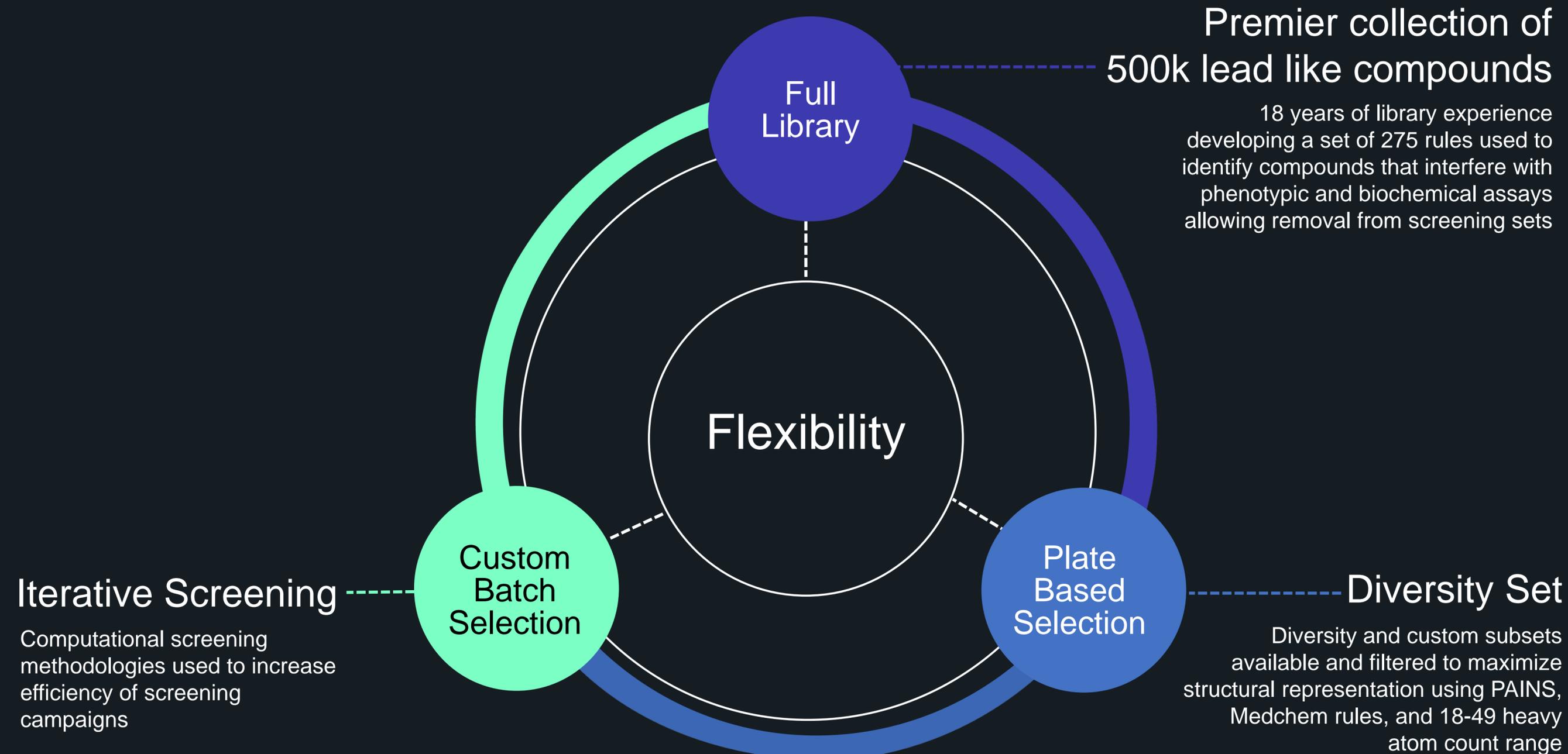
# New Chemical Libraries

A futuristic laboratory setting featuring a robotic arm in the foreground, illuminated by vibrant blue and red light tubes. The background shows a complex network of pipes and machinery, creating a high-tech, industrial atmosphere.

# Small Molecule Chemical Collections

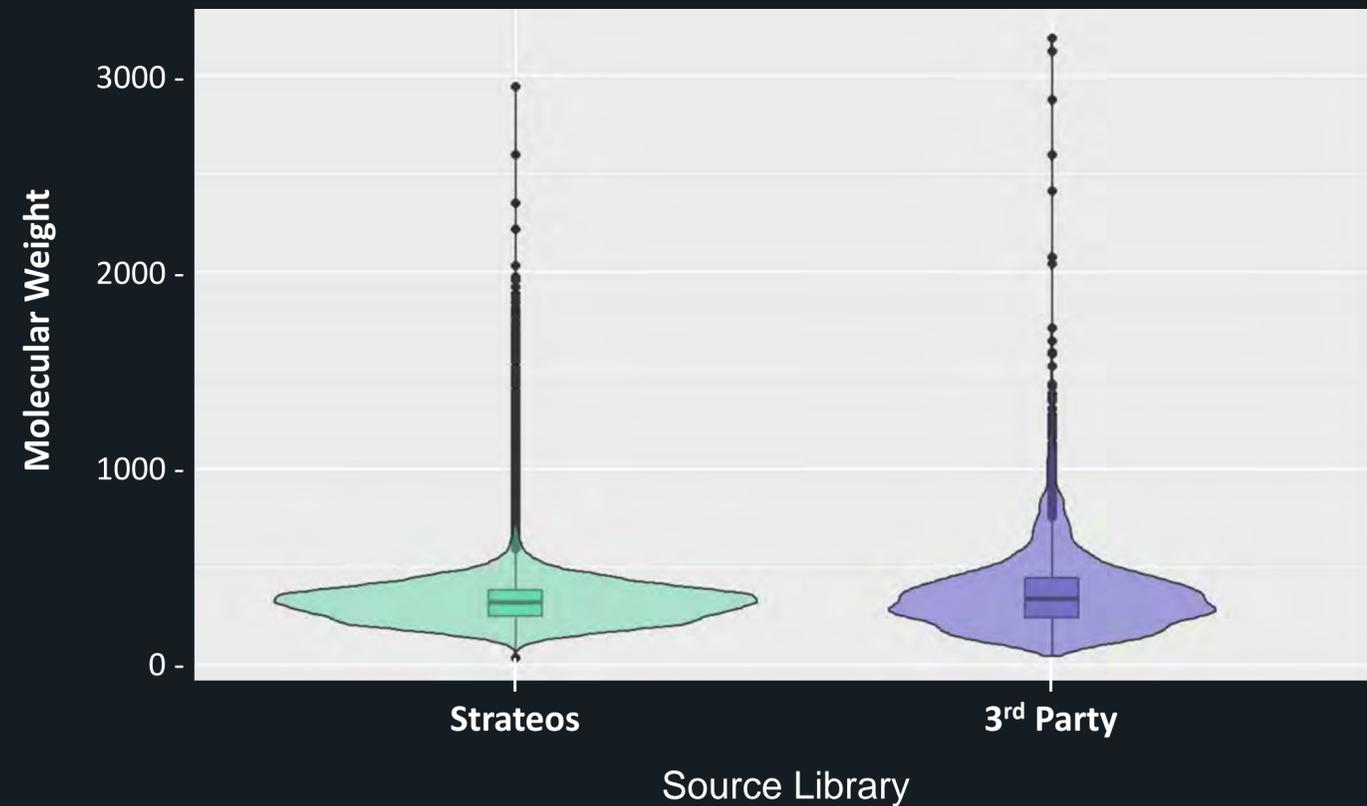
- Chemical libraries for drug discovery, drug target identification, and pharmaceutical-related applications
- 500K compounds found in a publicly available structure databases
- Multiple diversity subsets and formats available
- Many compounds are FDA-approved and validated by literature, preclinical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

# Small Molecule Chemical Libraries

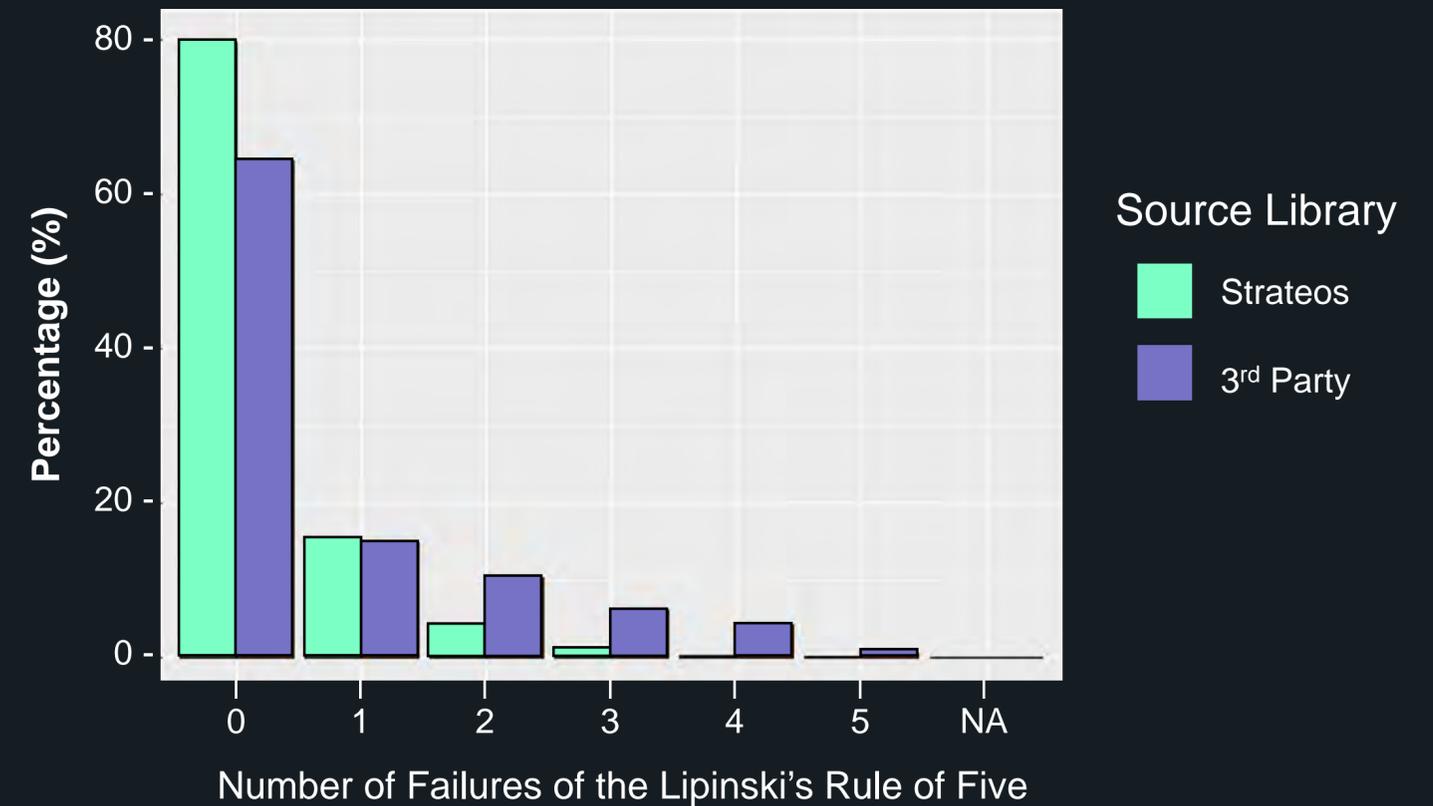


# Greater Coverage of Chemical Space- Meaningful Hits, Faster Development

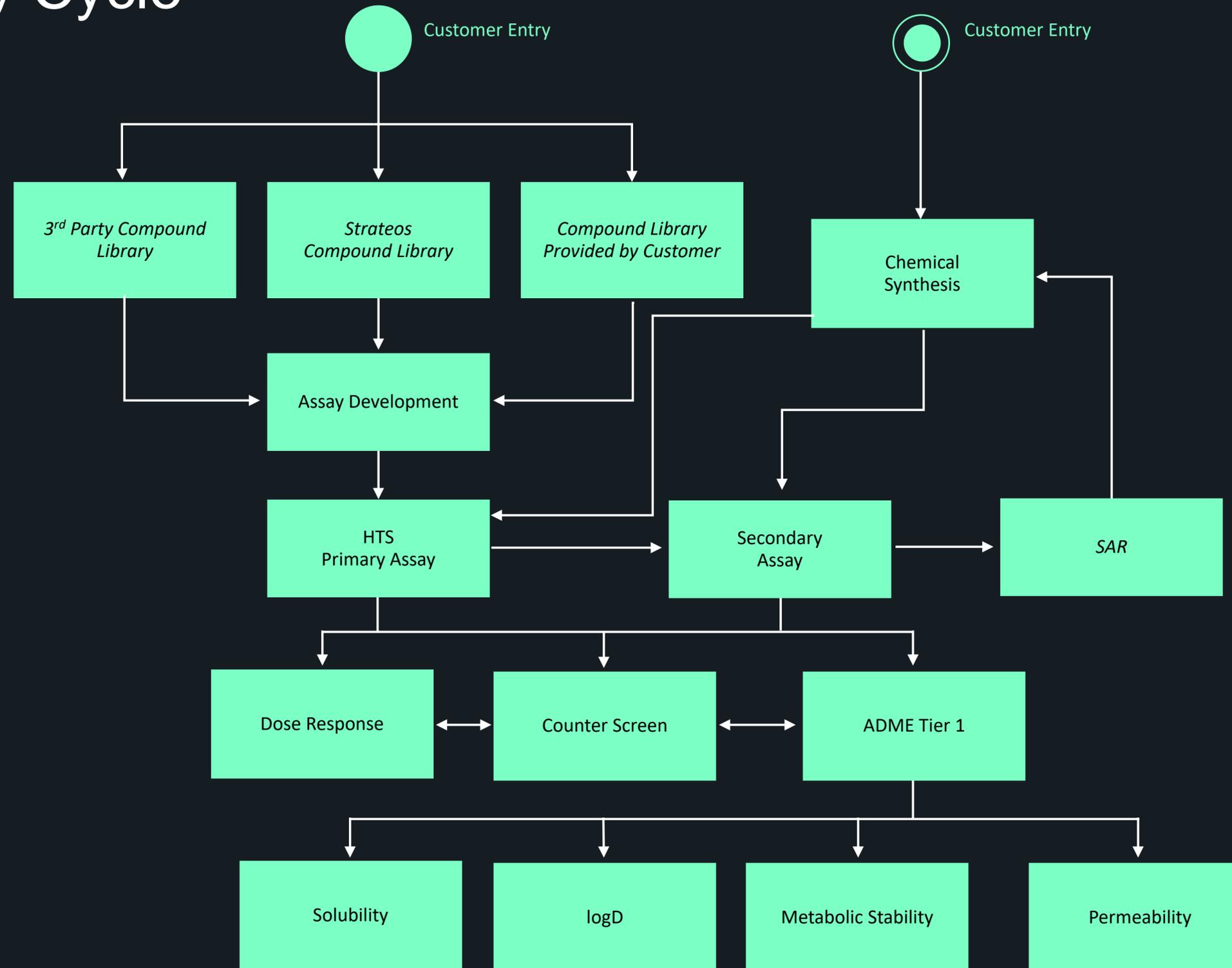
## Distribution of Molecular Weight



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



# Drug Discovery Cycle



# The Facilities

A futuristic industrial facility with a robotic arm and neon lighting. The scene is dominated by vibrant neon lights in shades of purple, blue, and red, creating a high-tech, cybernetic atmosphere. A large, dark-colored robotic arm is the central focus, extending from the right side of the frame. The background is filled with complex machinery, pipes, and structural elements, all illuminated by the colorful neon. The overall aesthetic is sleek and modern, suggesting advanced manufacturing or research capabilities.

# 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

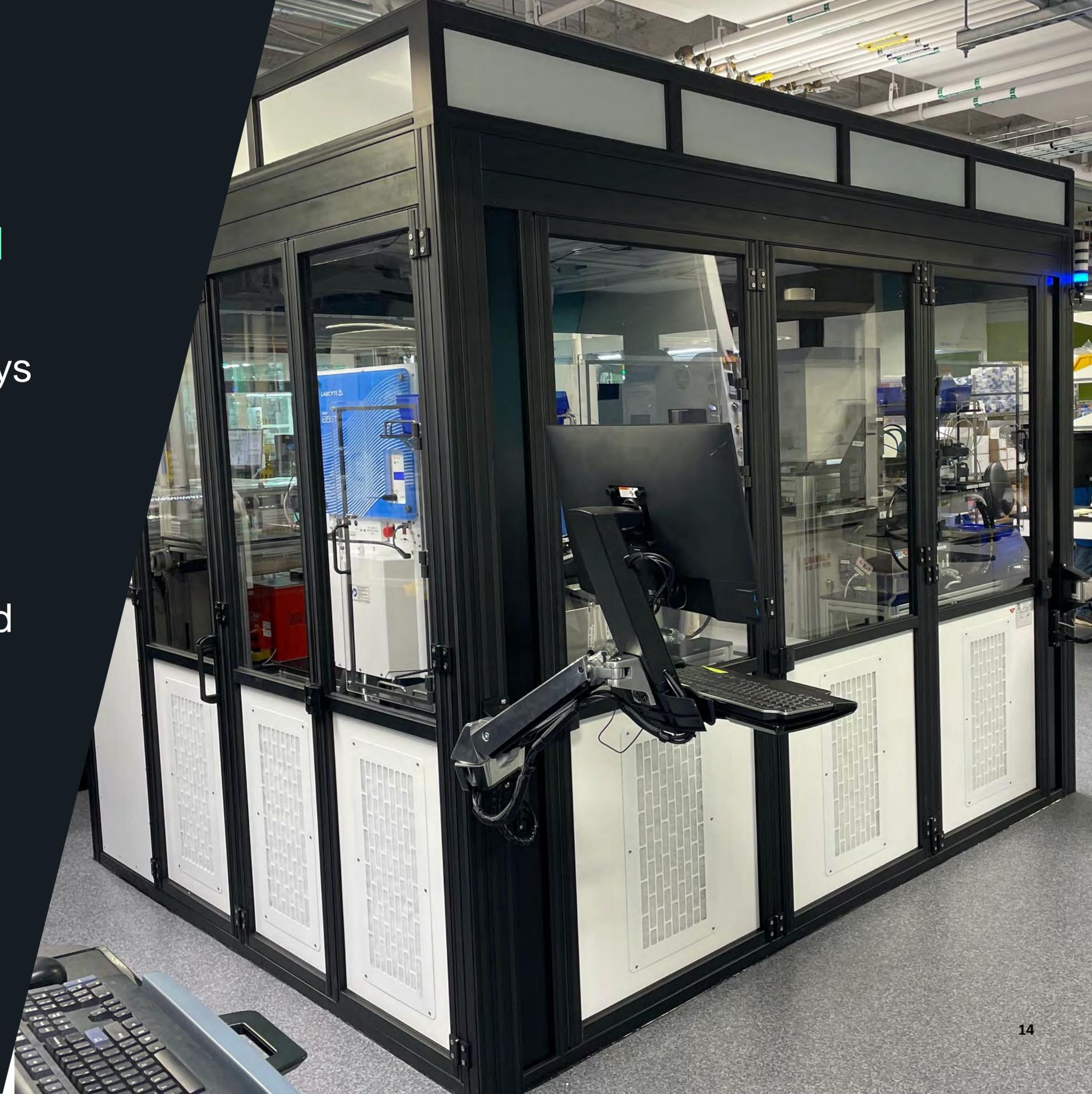
- Equipment:
  - Liconic automated incubators for 37°C
  - Hamilton Star
  - BioTek Neo 2 plate reader
  - BSL2 compliant
- Capable of tissue culture, cell based and biochemical assays
- Primarily built for 96 and 384 well assays
- Low throughput, prolonged kinetic assays



# 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](http://strateos.com)

