

# Comprehensive Biology services

Sai Life Sciences aspires to deliver over 100 small molecules clinical candidates for our innovator partners by 2025. The Biology Centre of Excellence supports this vision through a comprehensive suite of services across the spectrum of drug discovery activities, and a firm commitment to the evolving needs of our customers.

## Two global sites delivering integrated value

### Boston

- Client & project specific exploratory biology
- Target validation, novel assay development, etc.
- Proximity to clients facilitates collaboration & communication
- Rapid reagent procurement enables nimble exploratory activities

### Hyderabad

- Additional capabilities for high throughput *in vitro* assays
- *In vivo* capabilities for PK/PD and efficacy
- Co-localized with Synthetic Chemistry, ADME, PK, and Toxicology
- Lower cost services

Transfer to India reduces costs and cycle-time

**1** Enables “Hand-in-hand” collaboration during critical early exploratory work

**2** Established assays can be transferred to India for higher throughput

**3** Unified organization and aligned infrastructure enables rapid transfer across sites

Our discovery biology team co-located with our teams in medicinal chemistry, process development, process engineering and scale-up enables us to accelerate our clients’ discovery programs through rapid turnaround times and shorter decision-making cycles.

### *In Vitro* Boston

- Fit-for-purpose exploratory biology
- Novel assay development
- Target/biomarker ID & validation
- Mechanism of Action (MOA) assays
- Cell assays & high content screening
- SPR

### *In Vitro* Hyderabad

- Fit-for-purpose assay development
- Integrated projects with Chemistry, DMPK, and Toxicology
- Throughput screening & SAR support
- Cell line generation
- Cell assays & High content screening
- Protein production
- Biochemical assays
- SPR

### *In Vivo* / *Ex Vivo* Hyderabad

- Target engagement/PK-PD studies
- Biomarker assessments
- Efficacy models