



*Institute of Life Sciences*  
Hyderabad - India



*Aut Viam Inveniam Aut Faciam*

*(I'll Either Find A Way Or Make One)*



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## ILS – Collaborative Venture



- The Institute of Life Sciences being set up at University of Hyderabad is a collaborative venture between:
  - Andhra Pradesh State Government
  - University of Hyderabad (Govt of India)
  - Private Sector



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## Constitution



ILS is a **Not-For-Profit Organization**, registered under Section 25 of the Indian Companies Act, 1956

ILS is recognized as a **Scientific and Industrial Research Organization (SIRO)** by the Ministry of Science and Technology, Government of India

ILS is eligible to compete for Government funding for research



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## Management of ILS



- **Board** : Vision, Policy, Strategy, Governance and Overall Direction
- **SAB** : Research Advice, Peer Review, Interface with Scientific Community
- **Management Council** : (Director & Senior Executives) Policy Implementation, Research Planning and Direction, Research Operations, Resource Management

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## Board of Directors



Dr K Anji Reddy, Chairman	Chairman, Dr Reddy's Laboratories Ltd
Prof Ilan Chet	President, Weizmann Institute of Science, Israel
Dr D Balasubramanian	Director - Research, LV Prasad Eye Institute
Ex Officio	Vice Chancellor, University of Hyderabad
Ex Officio	Secretary, Industries, Govt of Andhra Pradesh
Mr G V Prasad	Vice Chairman & CEO, Dr Reddy's Laboratories Ltd
Dr A Venkateswarlu	Director of ILS

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## Scientific Advisory Board



- Being constituted with eminent scientists in life sciences, drawn from across the globe, who will help -
  - Establish a research road map for ILS
  - Network scientific thought leaders
  - Review scientific progress
  - Advise on scientific programs
  - Attract science talent to work at ILS

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## Why ILS?



- Life science centers in India: research emphasis on basic science and education
- Advent of new IP regime
- New drug discovery paradigms
- Need for applied, interdisciplinary research

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## Why Hyderabad?



- Centrally located in India
- Home for premier national and international institutes
- Pharma & Biotech hub
- Large scientific pool
- Most affordable among metro cities
- Proactive Government initiatives

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## Why University of Hyderabad?



- UoH is a Central University
- Land provided by UoH
- Facilitates exchange of scientists
- Source of trained PhDs
- Access to specialized facilities such as Super-Computing, Mol Modeling, Nanotech facilities in the campus

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## MoU With University



- MOU entered with UOH to facilitate cooperation and collaboration
- ILS to create two Endowment Chairs in the University and also provide fellowships to a few PhD students in UOH
- ILS and UOH will encourage joint research projects

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## Mission



To improve human health through cutting- edge,  
integrated life science research

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## Objectives



- Explore molecular mechanisms of disease to discover novel therapies
- Integrate chemical, biological and other applied sciences for synergistic drug discovery
- Train researchers in cutting-edge research to meet growing scientific challenges of Life Sciences Industry
- Provide a platform for interaction and collaboration between industry and academia
- Bridge the gap between academia and industry

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## Core Values



- Integrity
- Scientific Excellence
- Intellectual Freedom
- Continuous Learning
- Quality
- Knowledge Sharing

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## Disciplines of Research



- Genomics
- Proteomics
- Medicinal Chemistry
- Discovery Biology
- Molecular and Cell Biology
- Molecular Modeling and Drug Design
- Other Enabling Disciplines

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## Areas of Research



- Cancer
- Infectious Diseases
- Metabolic Disorders
- Cardiovascular Diseases

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## Deliverables



- Create a centre of excellence for integrated, multidisciplinary research
- Advance frontiers of science by generating new knowledge
- Develop new concepts and tools for enabling drug discovery and development
- Develop human resource for pursuit of advanced research in life sciences
- Create opportunities for industry-academic collaboration

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## Infrastructure : Lab Facility



### Phase I

ILS Facility in the UOH campus will have :

- 32 research labs & 12 support labs
- Animal House
- Knowledge Center
- Meeting Rooms, Auditorium
- Executive Block
- Built-Up Area: 130,000 sq ft

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## Infrastructure : Equipment etc



The labs will be equipped with :

- Back-up power supply (100%)
- UPS, where necessary
- Safety and Fire Systems
- All need-based equipment and sophisticated instrumentation for use in life sciences research
- IT support facility

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## Project Funding



- Govt. of Andhra Pradesh Rs 100 million
- Dr Reddy's Labs Ltd Rs 100 million
- Pharma / Biotech Industries
- DST / DBT / ICMR / etc for project-specific proposals
- Philanthropic organizations

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## Project Cost : Phase I



Laboratories and Facilities	Rs 235 million
Research Equipment	Rs 170 million
Payments to UOH	Rs 25 million
<b>Total Project Cost</b>	<b>Rs 430 million</b>



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## Time Schedules



- Construction activity nearing completion
- Module I comprising 12 research labs & 4 support labs in finishing stage
- Research activities to commence Q3 / 2006



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## IPM at ILS



### **ILS will have an active IPM Cell to :**

- Protect its research results and inventions
- File and prosecute patent applications
- Manage the patent estate

### **ILS will evolve suitable mechanisms to :**

- Commercially exploit the IPR
- Reward intellectual contribution

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## Human Resource



- **Constituted a search committee for recruitment**
- Presently looking for ***Principal Investigators, Principal Scientist & Senior Scientists***
- Released job ad in ***Science, C&E News and Nature***
- Scheduled ***Road Shows*** for recruitment in the US

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## ILS

- Preview