CORPORATE PROFILE

Piramal Pharma Solutions

Delivering Integrated Solutions Across the Drug Life Cycle

PATIENT CENTRICITY

At Piramal Pharma Solutions, our mission is clear: to reduce the global burden of disease. We recognize that patients are the ultimate beneficiaries of our work, making them central to every aspect of our operations. By aligning our actions with patient needs, we ensure our solutions meaningfully impact their lives.

As a leading global contract development and manufacturing organization (CDMO), we provide end-to-end services across the entire drug life cycle. Our integrated network of 15 global facilities in North America, Europe, and India enables us to deliver comprehensive solutions—from drug discovery and pharmaceutical development to clinical trial supply and commercial-scale manufacturing.

We also provide specialized services for highly potent APIs, antibody-drug conjugates, peptides, vaccines, and biologics.

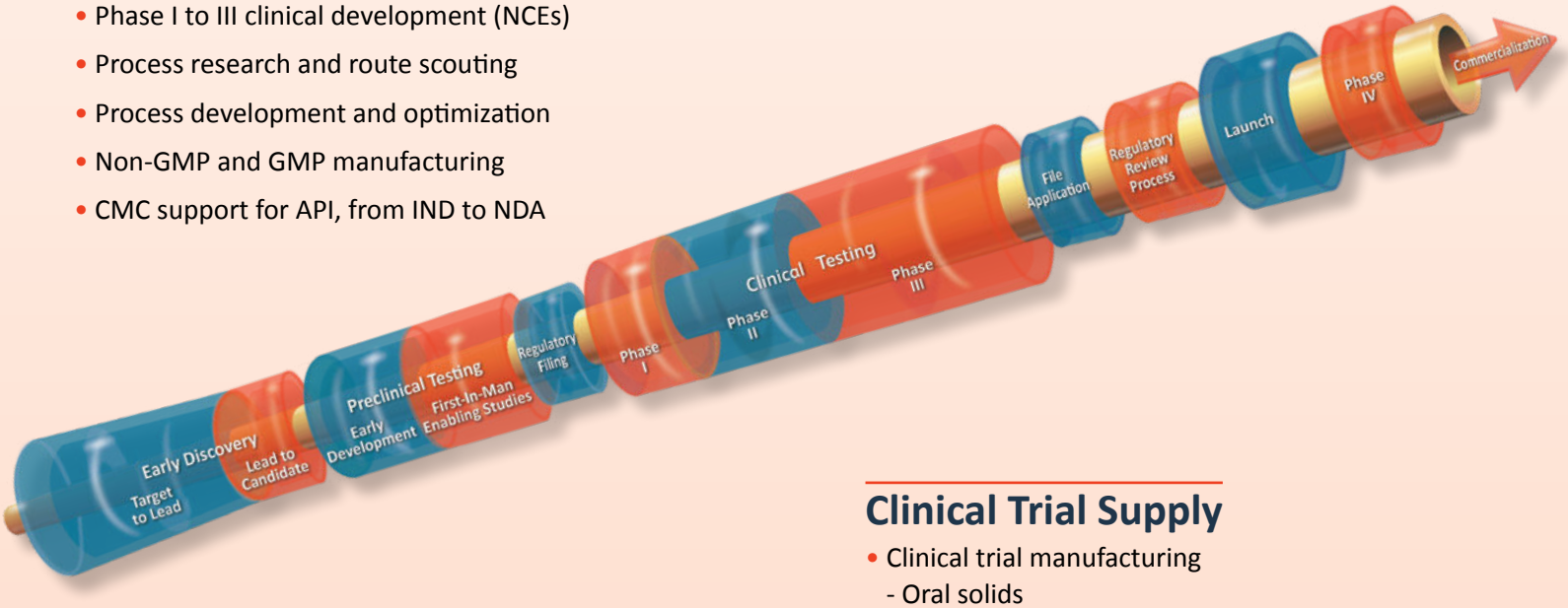
Through our integrated, end-to-end services and commitment to scientific excellence, we consistently deliver valued solutions that enhance patients' lives and support our customers' goals, reinforcing our mission to alleviate the burden of disease.

Comprehensive Solutions
for All Stages of Drug Development

Discovery Services
- Custom synthetic chemistry
- *In vitro* biology and ADME
- *In vivo* biology*
- Pharmacology and toxicology screenings
- Non-GMP kilo lab service
- Analytical support services

**In vivo* services provided through AAALAC/GLP certified partner

Development Services
Early Phase API
- Phase I to III clinical development (NCEs)
- Process research and route scouting
- Process development and optimization
- Non-GMP and GMP manufacturing
- CMC support for API, from IND to NDA



Early Phase Formulations
- Pre-formulation and material characterization
- Formulation development in various dosage forms: OSDs, liquids, creams, ointments, sterile liquids/lyophilized powders, liposomes
- Specialized formulations include pediatric and hormonal formulations, modified release, oncology molecules, and controlled substances

Late Phase and Commercial Services
Late Phase Formulations
- Complete development of ANDAs/CTDs

Commercial Manufacturing
- Key and registered starting materials
- Advanced intermediates and APIs
- Finished dosage forms – oral solids, sterile injectables, liquids, creams and ointments
- Cytotoxic and potent compounds

Clinical Trial Supply
- Clinical trial manufacturing
  - Oral solids
  - Sterile liquids
  - Hormonal products and potent compounds
- Clinical packaging
  - Primary and secondary
  - Blinding, labeling, and randomization

Specialized Services
for Every Unique Challenge

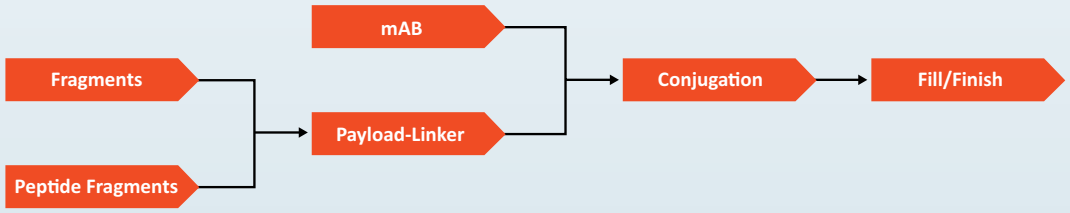
Antibody-Drug Conjugates

ADCelerate is our rapid approach to delivering Phase I appropriate ADC drug substance and drug product. By integrating a range of capabilities – spanning from fragments, mAbs, payload-linkers, and conjugations to clinical and commercial manufacturing and fill/finish – we propel partners from R&D to GMP production in as fast as 12 months, with guaranteed delivery at a fixed price. As the world's first FDA-approved ADC CDMO and first CDMO to manufacture commercial ADC product, we leverage over 20 years of specialized expertise to accelerate timelines and help our partners bring critical treatments to patients in need.

- Proof of concept preclinical development studies
- Process research, optimization, and scale-up
- Sterile fill/finish
- Clinical and commercial manufacturing
- Analytical development services
- Toxicology and stability testing
- Range of linkers and payloads available; experience with a range of novel linkers

ADCelerate™
Rapid, Integrated ADC to IND

Fully Integrated ADC Services



High Potency APIs

- 50+ years of experience delivering HPAPIs
- Full range of HPAPI capabilities, from development to commercial manufacture
- GMP production, from grams to kilograms
- State-of-the-art HPAPI manufacturing suite with airlocks and barrier isolation systems
- 30+ global regulatory manufacturing approvals for innovator HPAPIs, including several fast-track approvals

Peptide APIs

- Custom synthesis of peptide-based NCEs
- GMP peptide manufacturing, from multigram to kilogram
- Comprehensive portfolio of generic peptide APIs, with additional products under development
- 40+ years of experience in peptide APIs

Controlled Substances

- Development and manufacturing
- Schedule II, III, IV, and V substances

Potent OSDs

- Early development through to scale-up and commercial launch
- Formulations with OEL down to 1ug/m^3

Fill/Finish

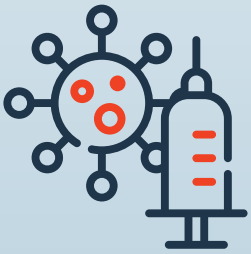
- Sterile compounding, fill/finish, and lyophilization for injectable products
- Clinical to commercial scale
- 100% isolator-based fill/finish technology
- Vial capabilities from 2ml to 100ml for liquid products
- Vial capabilities from 2ml to 50ml for lyophilized products

Hormonal Products

- Formulation development and commercial manufacturing of both OSDs and sterile fill/finish
- Dedicated OSD hormonal manufacturing facility with the capacity to manufacture and package up to 1.3 billion tablets annually

Vaccines, Biologics, and Bio-Therapeutics*

- Process development, scale-up, and GMP-compliant manufacturing
- Vaccines: recombinant (protein antigens, virus-like particles, nanoparticles), viral vector-based
- Biologics: gene therapies, monoclonal antibodies, therapeutic proteins, and other complex biologics



*Yapan Bio: A Piramal Pharma Ltd. Associate Company

Maximizing Efficiency
with an Integrated Approach

We employ an integrated services model, leveraging our global network to deliver tailored solutions across the entire drug life cycle and help bring critical treatments to patients in need. Our advanced facilities are strategically located worldwide and operate in seamless coordination to support programs at every stage of development. This model enables us to provide end-to-end services — from discovery and development to commercial manufacturing and packaging — including specialized capabilities for high-potency active pharmaceutical ingredients (HPAPIs), antibody-drug conjugates (ADCs), peptides, vaccines, biologics, and other complex molecules.

By harnessing our deep expertise and global resources, we ensure consistency and accountability, minimize disruptions, and enhance the overall efficiency of our partners' programs.

Since 2020, we have completed over 125 integrated drug development & manufacturing programs.

Holistic Program Management
for Streamlined Execution

We take a holistic approach to program management to optimize our integration and ensure on-time, complete delivery of overall program goals. Our Project Managers lead cross-functional, site-based teams, driving day-to-day operations to meet objectives effectively. They work closely with our Integrated Program Managers, who oversee the entire program on projects utilizing three or more sites. Together, they facilitate seamless transitions and continuous alignment as projects move between sites.

To enhance communication and transparency, we utilize a standardized project management platform that consolidates project data from all sites into a user-friendly dashboard that customers can access in real time and customize to meet their needs.

Site Based Project Manager

- Leadership of site-based cross functional team
- Maintenance of detailed project schedule, risk and action log
- Project risk identification and escalation
- On-site Customer representation
- Communicates regularly with Integrated Program Manager and Customer

Responsible for delivery of project milestones

Integrated Program Manager

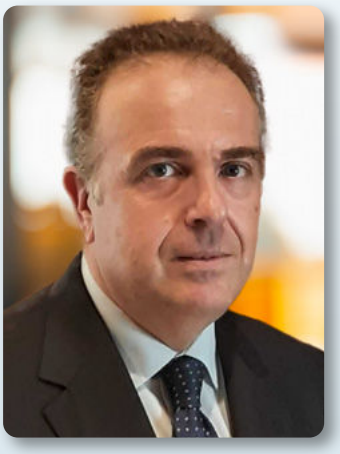
- Focus on big picture, interdependency between sites
- Integration of program level outputs
- Alignment of risk mitigation strategy across sites
- Representation of program at executive level
- Streamlines communication for clear and harmonized messaging

Responsible for meeting overall program goals

Unrivaled Expertise
and Scientific Excellence

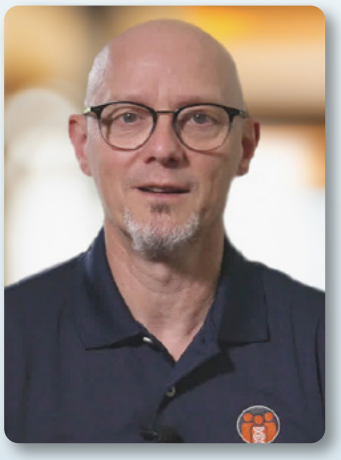
The Piramal Science Collective is a team of subject matter experts with specialized knowledge in APIs, peptides, formulations, ADCs, and sterile injectables. They lead our drug programs, leveraging their expertise to provide technical support and inform innovative solutions. Supporting our Science Collective is a diverse workforce of approximately 5,000 employees across 15 global sites, enabling us to efficiently and effectively execute projects and meet client goals.

Piramal Pharma Solutions
Science Collective
The Leading Minds Behind Our Expertise.



Jordi Bacardit, PhD
Global Technical Lead,
Peptides

Conor Barry, PhD
VP & Global Head of Bioconjugate
& Large Molecule R&D



Jean-Francois (JF) Carniaux, PhD
VP & Global API
Technical Lead

Nirav Desai, PhD
Co-founder & Chief Operating Officer,
Yapan Bio

Thomas B. (Brad) Gold, PhD
VP & Global Head of
Formulations R&D

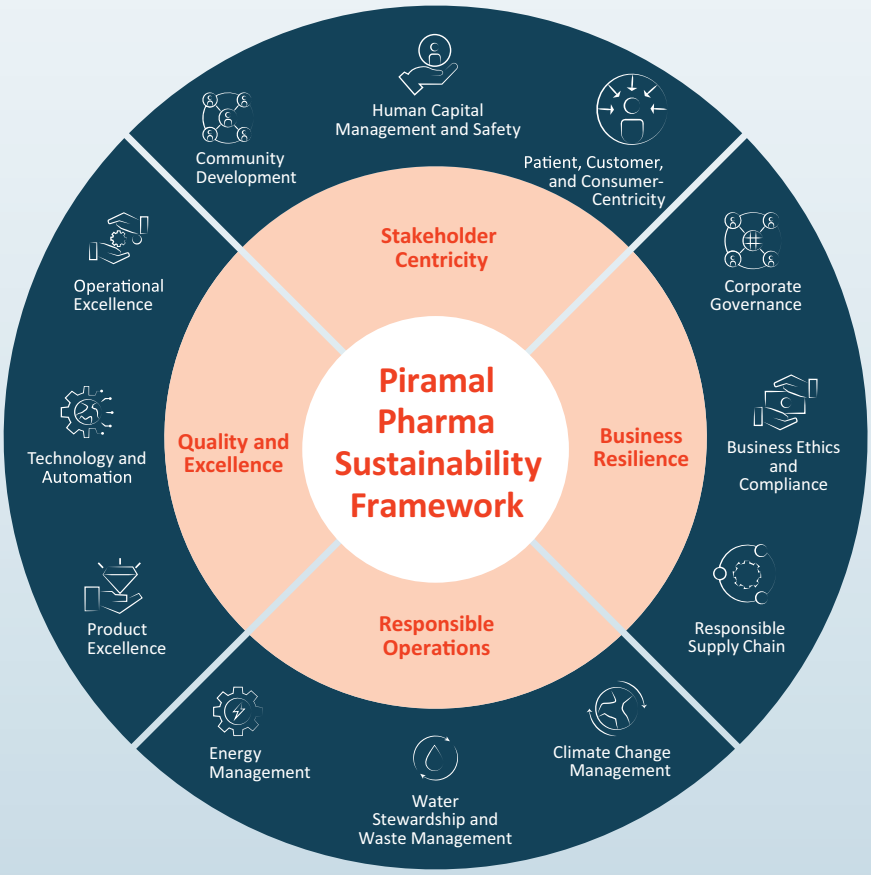
Sundar (Sunny) Neelakantan, PhD
Director of
Development

Building a Better Future
with Sustainable Practices

Sustainability is not just about compliance with regulations; it's about actively giving back to the environment and the communities we serve through purpose-driven, responsible operations.

So far, we've:

- Achieved significant reductions in greenhouse gas emissions and energy consumption
- Implemented a strategy to minimize water usage
- Diverted incinerable hazardous waste from landfilling and recycled nearly 100% of non-hazardous waste
- Promoted a healthy environment through active afforestation efforts
- Invested in initiatives to uplift our communities
- Enhanced diversity in our workforce, which now includes 20% women
- Maintained employee safety and customer satisfaction with rigorous training
- Safeguarded our employees' rights and data privacy
- Assessed the sustainability of our supply chain management practices
- Adopted new technologies and automated processes to improve safety and product quality



At Piramal, we are committed to reducing emissions, conserving resources, and preserving the planet. We also strive to align with partners who share our vision for an ethical and sustainable supply chain.

Legacy of Quality
with Proof in Our Numbers

Our commitment to excellence in all operations is reflected in our various achievements. With a robust development pipeline, a talented and passionate team, and a long history of successful audits and regulatory inspections, we demonstrate our dedication to quality and reliability.

Building on this strong foundation, we are excited to embark on a new chapter of growth. We are investing in facility expansions and equipment upgrades to meet evolving client needs, stay at the forefront of pharmaceutical innovation, and enhance our ability to serve patients.

As we look to the future, we are excited about the possibilities ahead and remain dedicated to advancing progress in patient care.

Global Presence
Superior Solutions

Riverview	HPAPI Development & Manufacturing USFDA, PMDA	1	
Sellersville	Formulation Development & Manufacturing USFDA, EMA	2	
Lexington	Sterile Development & Manufacturing USFDA, PMDA	3	
Grangemouth	ADC Development & Manufacturing USFDA, MHRA	4	
Morpeth	API & Formulation Development & Manufacturing USFDA, MHRA	5	
Aurora	API Development & Manufacturing USFDA, PMDA	6	

7	Digwal	API Development & Manufacturing USFDA, MHRA	
8	Turbhe	Peptide API Development & Manufacturing USFDA	
9	Ennore	API Development & Manufacturing WHO-GMP	
10	Ahmedabad-PDS	Drug Discovery	
11	Pithampur	Formulation Manufacturing USFDA, EU Finland, ANVISA	
12	Ahmedabad-PPDS	Formulation Development USFDA, EU Finland	
13	Mahad	Formulation Manufacturing (Indian Market), Vitamin & Nutritional Premixes USFDA, WHO-GMP	
14	Rabale	API Development	
15	Hyderabad*	Vaccines & Biologics Process Development & Manufacturing	

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Piramal
Pharma Solutions

Just scan the QR code & get access to
piramalpharmasolutions.com

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