

A STRATEGIC PARTNERSHIP BETWEEN
PERCEPTIVE DISCOVERY AND NUCLEUS RADIOPHARMA

Discovery to Dose™

A Connected Path from Early Target Validation to Clinical and Commercial Manufacturing

Perceptive Discovery and Nucleus RadioPharma connect discovery, translational science, CMC development, and GMP manufacturing in one coordinated pathway.

Discovery to Dose™ accommodates preclinical and clinical considerations - helping sponsors streamline and expedite the process, maintaining forward momentum and informing decisions at every stage.

WHY DISCOVERY TO DOSE™ MATTERS

Radiopharmaceutical programs can lose time and data continuity when moving from preclinical development to GMP manufacturing and the clinic.

Discovery to Dose™ connects scientific, manufacturing, and regulatory expertise earlier, helping sponsors anticipate challenges and move candidates toward clinical development more efficiently.

ONE CONNECTED DEVELOPMENT PATHWAY

From Discovery to Clinical Readiness

Target Identification

Program concept, target validation, and development strategy

Radiochemistry & Lead Optimization

PERCEPTIVE DISCOVERY

- Radiolabeling strategy
- Candidate selection
- In vitro characterization

Biodistribution & Molecular Imaging

PERCEPTIVE DISCOVERY

- Quantitative molecular imaging
- Pharmacokinetic assessment
- Tissue distribution analysis

Efficacy & Dosimetry

PERCEPTIVE DISCOVERY

- Therapeutic evaluation
- Radiation dose assessment
- IND-enabling support

Early CMC Alignment

PERCEPTIVE DISCOVERY + NUCLEUS RADIOPHARMA

- Manufacturability assessment
- Scale-up planning
- Process risk evaluation

Process & Analytical Development

NUCLEUS RADIOPHARMA

- Process development
- Analytical method development
- Technology transfer

GMP Manufacturing

NUCLEUS RADIOPHARMA

- Clinical supply manufacturing
- Quality systems
- Regulatory documentation support

Clinical Readiness & Beyond

INTEGRATED SUPPORT

- Coordinated development planning
- Regulatory support
- Commercial manufacturing readiness

ONE CONNECTED DEVELOPMENT PATHWAY

PERCEPTIVE DISCOVERY

Supporting radiopharmaceutical innovators through discovery and IND-enabling development.

CORE CAPABILITIES

- Radiochemistry development
- Radiolabeling optimization
- Preclinical models
- Molecular imaging
- Biodistribution studies
- Efficacy assessment
- Dosimetry evaluation
- IND-enabling study support
- Scientific and regulatory consulting

NUCLEUS RADIOPHARMA

Supporting the transition from development through clinical and commercial manufacturing.

CORE CAPABILITIES

- GMP radiolabeling
- Process development
- Analytical method development
- Clinical manufacturing
- Commercial manufacturing
- Isotope supply chain support
- Regulatory support
- Quality systems

BENEFITS OF A CONNECTED DEVELOPMENT STRATEGY

Preserve Scientific Continuity

Carry preclinical insights into manufacturing and clinical planning.

Anticipate Manufacturing Challenges Earlier

Identify scale-up and process needs before they affect timelines.

Reduce Development Friction

Reduce information loss across development stages and providers.

Support More Efficient Clinical Translation

Create a clearer path to IND submission and clinical readiness.

HOW THE PARTNERSHIP WORKS

Flexible by Design	A flexible framework that connects expertise while preserving customer choice.
Getting Started	Sponsors may engage either company independently.
Coordinated Support	With consent, either company can bring in the other when helpful.
Independent Service Delivery	Each company manages its own contracts, pricing, projects, and services.
Joint Oversight	Joint governance keeps shared opportunities aligned.
Customer Choice Remains Intact	The non-exclusive model lets sponsors work with either company, both, or other providers.

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FROM DISCOVERY TO DOSE™

Radiopharmaceutical development begins before manufacturing and extends beyond preclinical imaging.

Discovery to Dose™ connects Perceptive Discovery and Nucleus RadioPharma expertise from early target validation through clinical and commercial manufacturing.

Together, we help sponsors move promising candidates toward the clinic with greater continuity and clarity.