

sanofi

Innovation through Collaboration

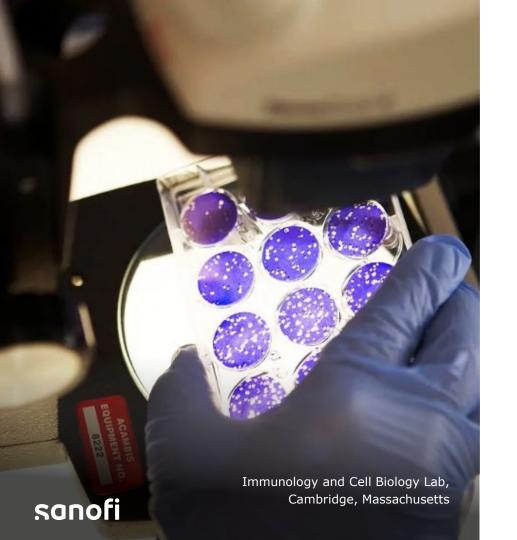
R&D Scientific Relations & Initiatives March 2024



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We chase the *miracles* of science to *improve* people's lives





Emerging Leadership in Immunology

Building on a strong foundation

Our experience in treating inflammatory conditions is built on a deep understanding of disease, from its dynamic in a single immune cell to its impact on a patient's life. By following the science, we're accelerating our ambitious programs and building a rich pipeline of potential first- and best-in-class medicines.

Therapeutic Areas

We're determined to find answers for patients. Our deep expertise in disease biology helps us select the most promising tool for each target, while our unique technology toolkit allows us to develop vaccines, drugs, biologics, and genomic medicines. We take smart risks, learn from failure, and master new techniques to overcome barriers and accelerate progress.

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Our R&D Teams



Immunology & Inflammation

Rebalancing immune responses that drive, chronic diseases



Neurology

Tackling inflammation and crossing barriers to protect or repair the nervous system



Vaccines

Innovation to protect against disease



Rare Diseases

Forging new paths to treatment, with and for patient communities



Oncology

Tackling difficultto-treat cancers, such as breast, lung, and blood



Rare Blood Disorders

Groundbreaking science to transform the standard of care

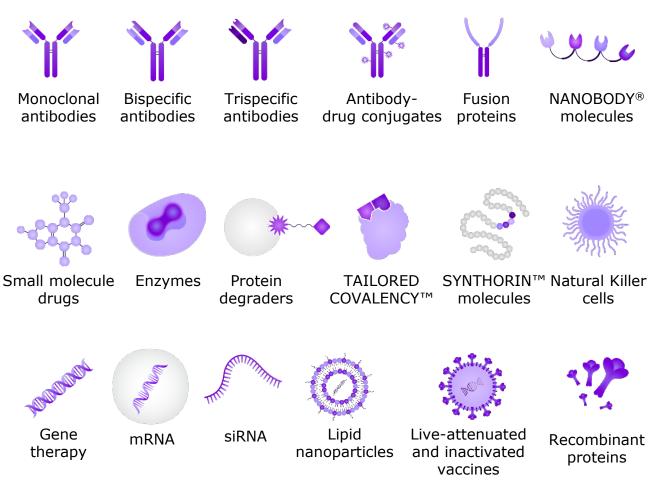
Pioneering Technology Platforms

Industry-leading technology platforms give our R&D teams the tools they need to design pioneering vaccines and therapeutics. These technologies also shed new light on the biology behind many diseases, helping us target the root causes of disease.

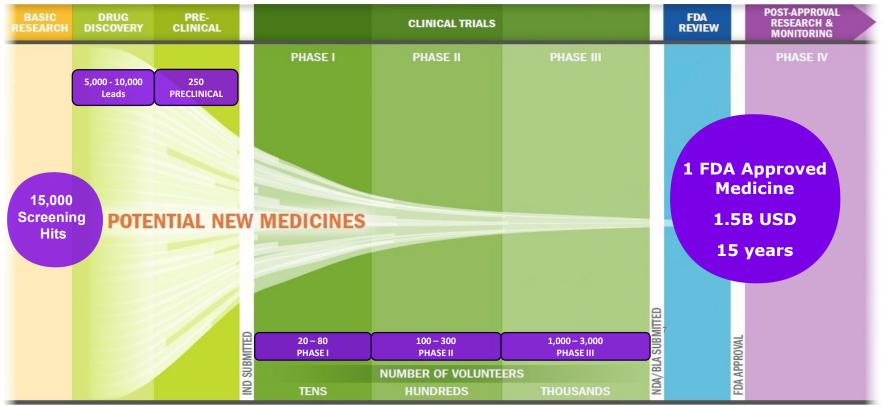
80% Biologics 83% First & Best in Class

Discover more





Biopharmaceutical Drug and Development Process



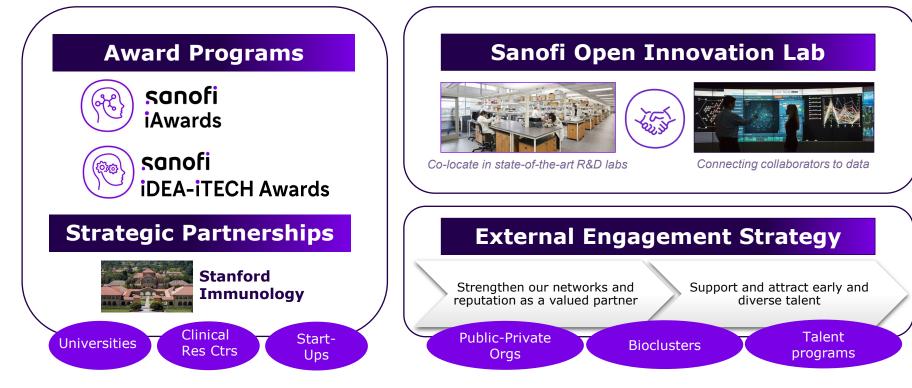
Source: 1. Adapted from Tufts Center for the Study of Drug Development 2. Pharmaceutical Research and Manufacturers of America.

Key: IND: Investigational New Drug Application, NDA: New Drug Application, BLA: Biologics License Application

How Sanofi Partners



SRI collaborates & partners with the *innovation ecosystem* to chase the *miracles* of science to *improve* people's lives



Sanofi Innovation Awards: *iAward* (





Goals

- Open Innovation concept-based partnership with multiple top-tier academic institutions
- Quickly bring early stage, value-creating projects to R&D research pipeline
- Improve Sanofi visibility and offer opportunity to build strong relationships with new partners
- Accelerate longer-term partnerships

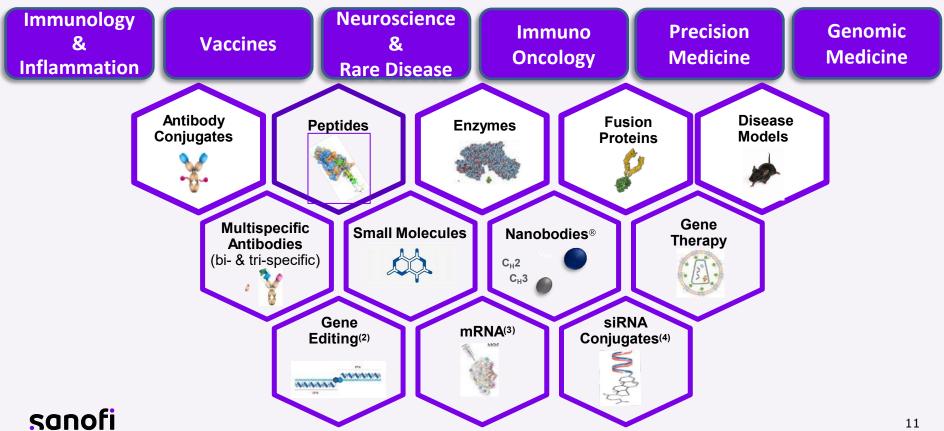
An efficient operating model

- A single framework agreement to join program and dedicated budget (up to \$150K per project)
- **Personalized follow-up** (Sanofi scientists, SRI team) to support funded projects
- Ensure alignment with Sanofi R&D strategy and commitment from external partner(s)
- Coordinated alignment with iAwards globally

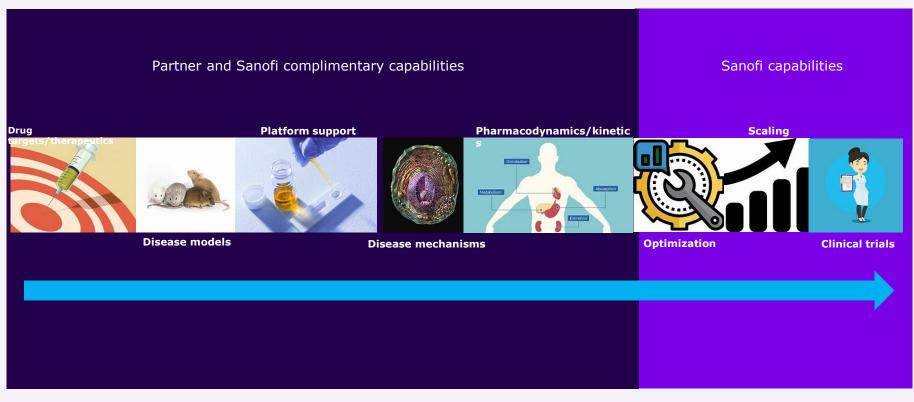
iAwards Key Areas of Interest

https://www.sanofi.com/en/science-and-innovation/research-and-development





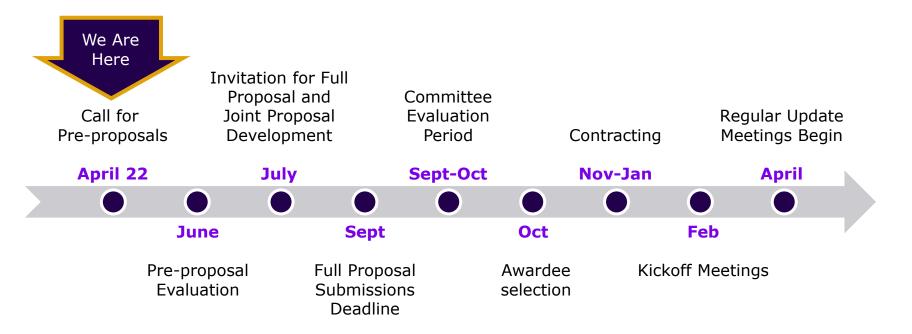
Benefits of iAward Collaboration



iAwards Timeline







Criteria for Conversion of iAwards to SRAs

- ✓ iAwards projects *meet their projected milestones in 10-12 months*
- Research aligns with Sanofi R&D Strategy and continues to be of high interest to R&D
- ✓ *Faculty interest* in continued collaboration

Examples of scope of SRA research

- Target/pathway validation particularly through pharmacological intervention with tool compounds/antibodies
- High-throughput screening using Sanofi proprietary compound libraries
- Novel targets identification through RNA-Seq, CRISPR based approaches
- Platform development/validation

Sanofi Innovation Awards: *iDEA-TECH Award*



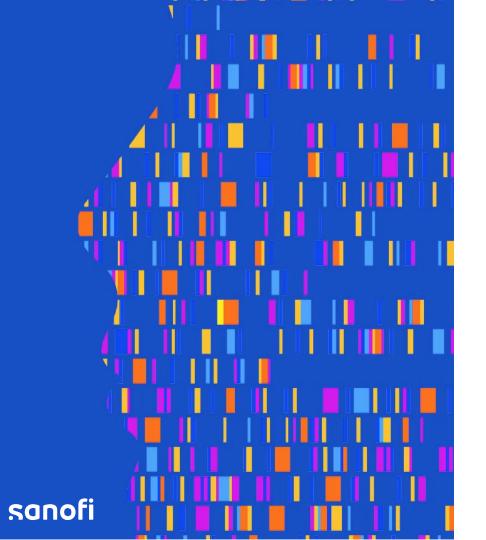


Goals

- Leverage cutting edge digital/data science tools and technologies from key academic institutions and start-ups
- Support existing priority projects at all R&D stages and de-risk projects of high potential value to R&D
- Improve Sanofi visibility and offer opportunity to build strong relationships with new partners
- Accelerate longer-term partnerships

An efficient operating model

- · Sanofi team invites potential partners to submit proposal
- **Dedicated budget** (up to \$150K/project)
- Cross functional teams and personalized follow-up (Sanofi scientists, SI&SR team) to support funded projects
- Ensure alignment with Sanofi R&D strategy and commitment from external partner(s)
- Coordinated alignment between iDEA and iTech initiatives



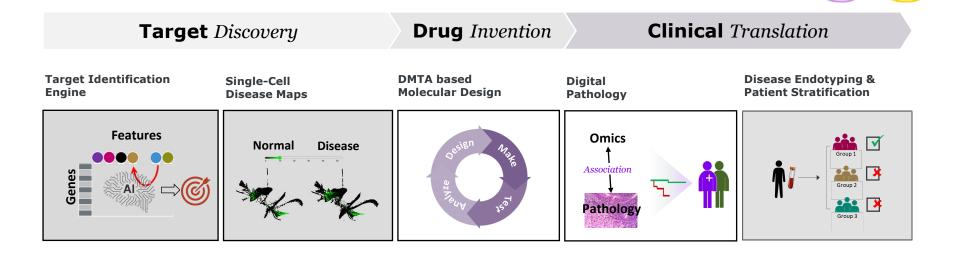
Charting a new course with digital and data science

Seeing is Believing

We're seeing science with new eyes: advanced bioimaging is revealing proteins at work; single-cell sequencing allows us to map every gene in every cell of the body; and smart devices are telling the real story of the patient experience. We gain new insights from this deluge of data using AI, deep learning, and other computational approaches.

Advanced Data Analytic Approaches to Accelerate Innovation

Improving quality and productivity of our research portfolio



Reducing timelines and increasing probability of success

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DIGITAL

transformation

PRECISION

Medicine

iDEA-TECH Key Areas of Interest

Snap-shot of past project topic areas



Predict patient outcomes



Biomarker identification



Test new data and analytics solutions



Predict and track disease progression and drug effects



Drug target enabling platforms



Analytic tools to understand drug mechanism or product quality

OF IT

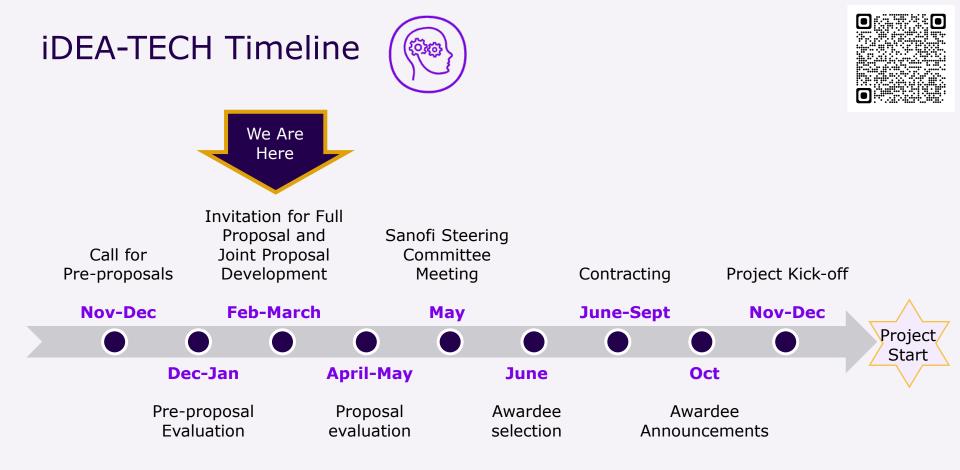
Optimize clinical trial design



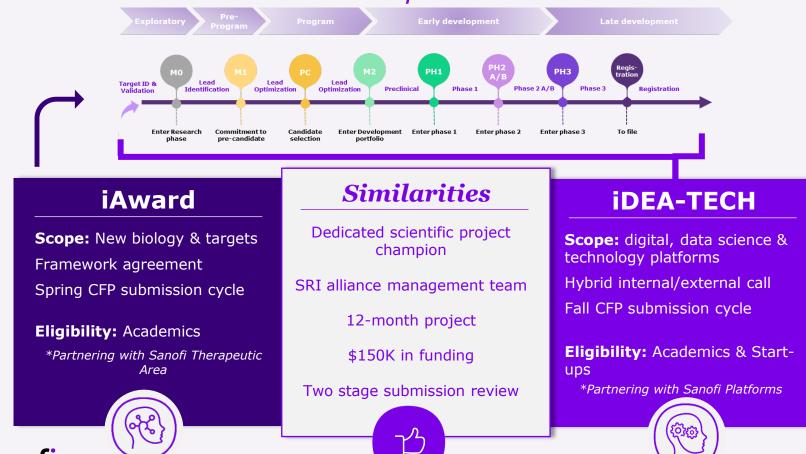
High throughput screening tools



Maximize real world drug value



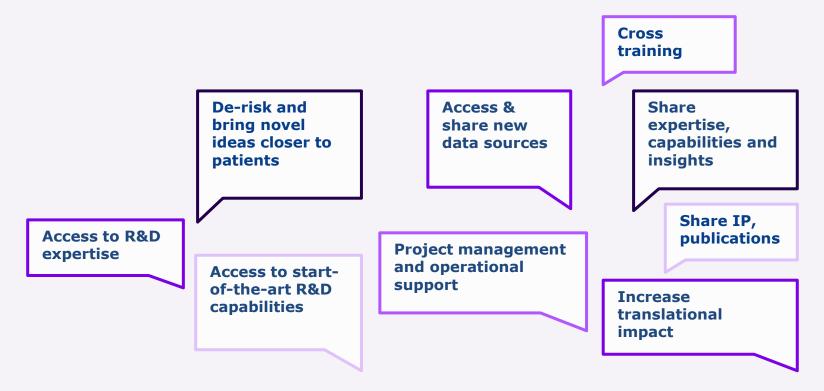
Sanofi Innovation Awards: Comparison



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Overall value proposition for partners



Sanofi Scientific Relations and Initiatives (SRI) NA Team



Karen Chandross, PhD Head



Jamee Downes, MEd

SRI Coordinator, Innovation Xchange



Lucie Rochard, PhD

External Ecosystem Strategy & Initiatives

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Wayne Rowe, PhD

iAwards SRAs, Stanford partnership



Luke Hanlin, PhD

iAwards, SRI Portfolio & Dashboard, KOL Mapping



Mary-Clare McCorry, PhD

iDEA-iTECH awards, Open Innovation Lab Digital AI Awards & SRAs,

Laura Chambre,

PhD

Portfolio management

Oluwatosin

Sanda, MSC, PMP





