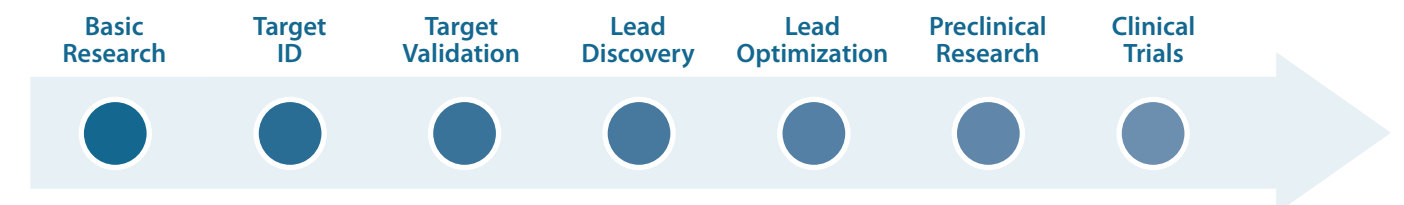


Our commitment To being a trusted partner

Horizon works with you to accelerate your research from discovery through to clinical development, providing you with the ability for larger capacity and guaranteed quality.



Functional Genomics
Understand and interrogate the biology of novel targets and modulate them

Immunology
Determine the effects of therapeutics on the human immune system

Cell Panels
Assess the biological impact of oncology therapeutic candidates

Cell Line Engineering
Develop robust models for reliable and predictive results

Access

To products and service development specialists with deep scientific knowledge

Innovation

With a consultative approach, creating solutions for you, with you

Collaboration

With our skilled research team to design your study

Dedication

Reducing your time to market

[Introduction video](#)

[Visit our website](#)

[Contact us](#)

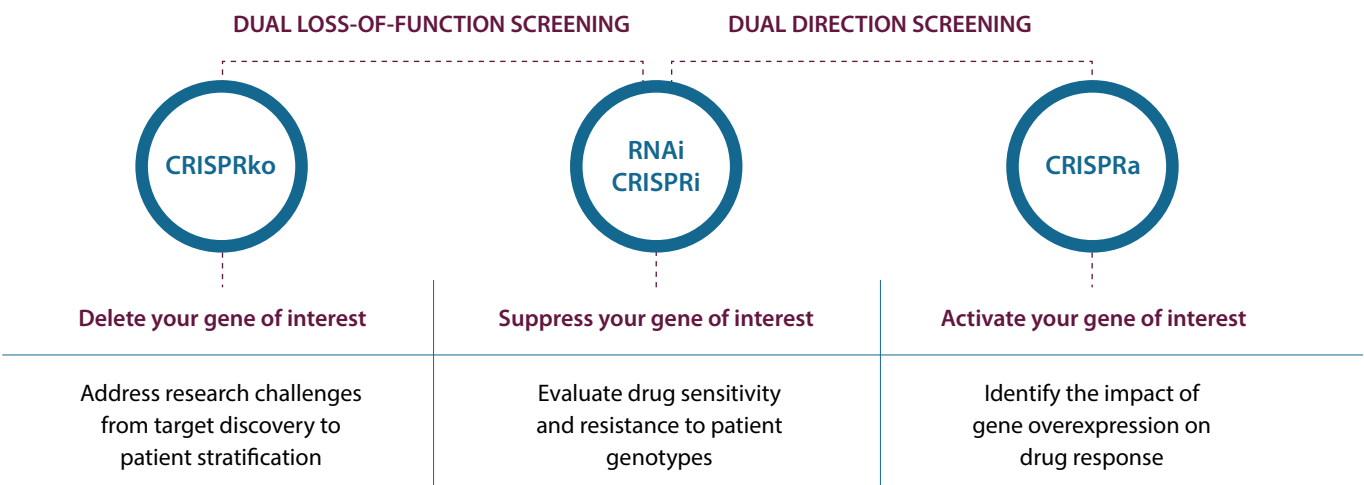
**Scientific
Partnering with
Horizon Discovery**



Functional Genomics Screening

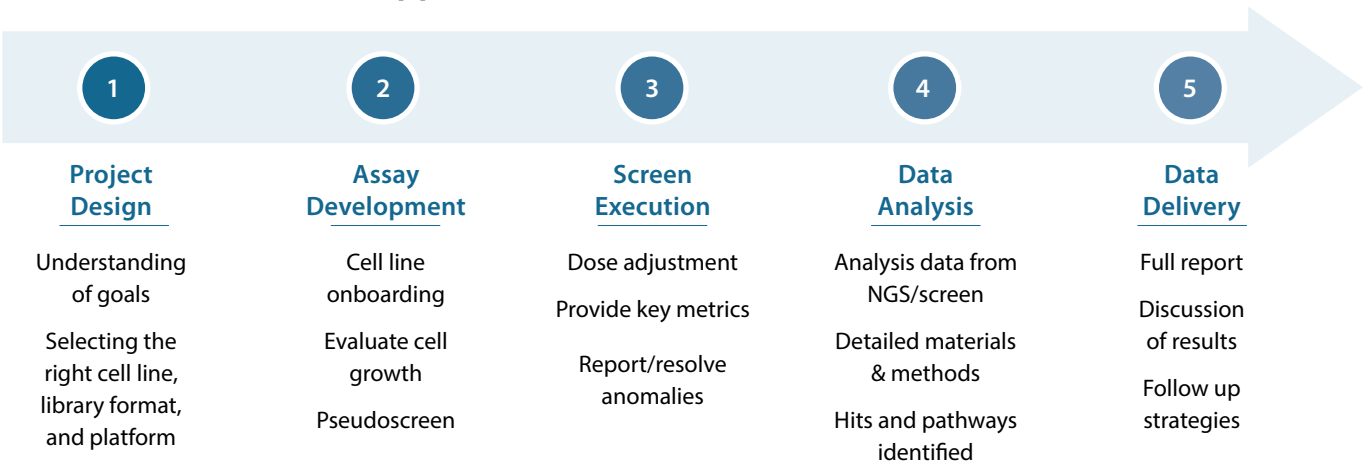
A full service, from experimental design through to data analysis

Leverage Horizon's CRISPRko/a/i screening capabilities to accelerate your discovery research, available in pooled and arrayed formats.



Pooled Screens	Arrayed Screens
CRISPR ko/i/a	CRISPR ko/i/a and RNAi
Single, dual, and combination formats	Synthesize and screen custom oligos
Select from pre-evaluated cells or use your model	Complex assay readouts
Proliferation and fluorescence readouts	Co-culture screens
Genome-wide, gene family, and custom libraries	Genome-wide, gene family, and custom libraries
Scalable depth and fold-coverage to meet your needs	Efficiency of multiple reagents per gene per well

Consultative Workflow Approach



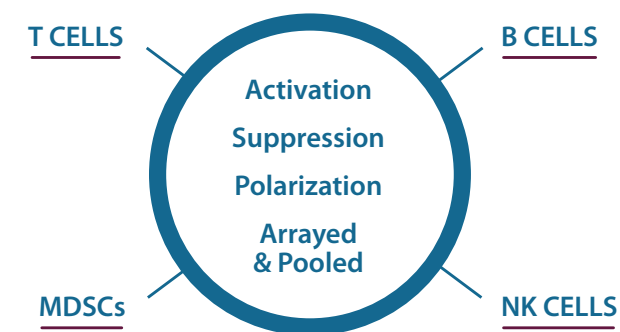
- Check out this video
- More information here
- CRISPR technologies poster



Immunology

Industry leading assays
in primary immune
cell types

Access the forefront of immunology research and gain the ability to explore the underlying mechanisms behind immune cell activation and suppression.



We use primary immune cells from multiple donors, ensuring the cell morphology and cell markers are maintained *in vitro* allowing you to correlate results in animal models and patient samples.

Evaluate the effect of a specific gene knock out or therapeutic at a functional level with the right high throughput immune assay

Cytotoxicity Assays	T cell Proliferation Assays	Immune Suppression Assays
Evaluate the action of anti-cancer antibodies and other biologics using a number of different immune cells	Evaluate the action of your drug or combination of drugs on T cell proliferation	Evaluate the action of your drug or combination of drugs on the suppression of normal T cell by suppressive immune cells
ADCC / ADCP / CDC T cell mediated tumour cell lysis	MLR T Cell Activation Assay	Treg / MDSC / Breg

Consultative Workflow Approach

1	2	3	4	5
Select your immune cells	Select immune cell editing	Select tumour co-culture	Select drug throughput	Select assay readouts
T cells B cells MDM cells Natural killer cells MoDC	Established editing T cells B cells Assay development MDM cells Natural killer cells MoDC	1200+ tumour cell lines Gene editing available	Single or combination treatments 8 point dose response curve 8x8 combination dose matrix	Proliferation Cytotoxicity Surface expression Cytokine release Apoptosis and more
Immune cell webinar	More information here			Apoptosis app note



horizon
INSPIRED CELL SOLUTIONS

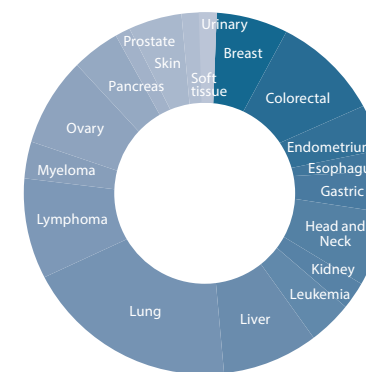
OncoSignature™ 2D/3D Cell Panel Screening

Driving Translational Biology

OncoSignature™, is our cell line rotation platform that gives you access to our cost effective, time sensitive cell panel screening platform.

Cell line collection

2D OncoSignature™ 300 cell lines
18 tissue indications



3D OncoSignature™ 200 cell lines
17 tissue indications

Single drug screening or combination drug screening

Up to 40 single agents
Accommodates diverse therapeutic modalities
Up to 12 combination drugs
1 treatment point up to 6 days



Large Biologic



Small Biologic



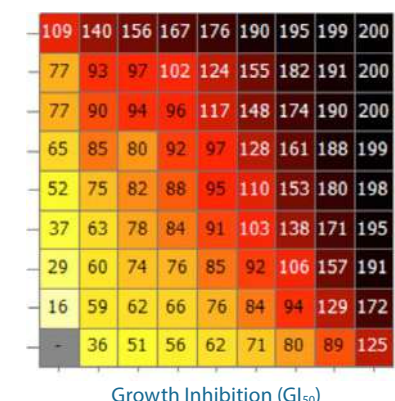
Small Molecules



Diverse Solvents

Viability Assay

Incorporates T_0 controls for GI_{50} calculation to discriminate cytotoxic vs. cytostatic effects

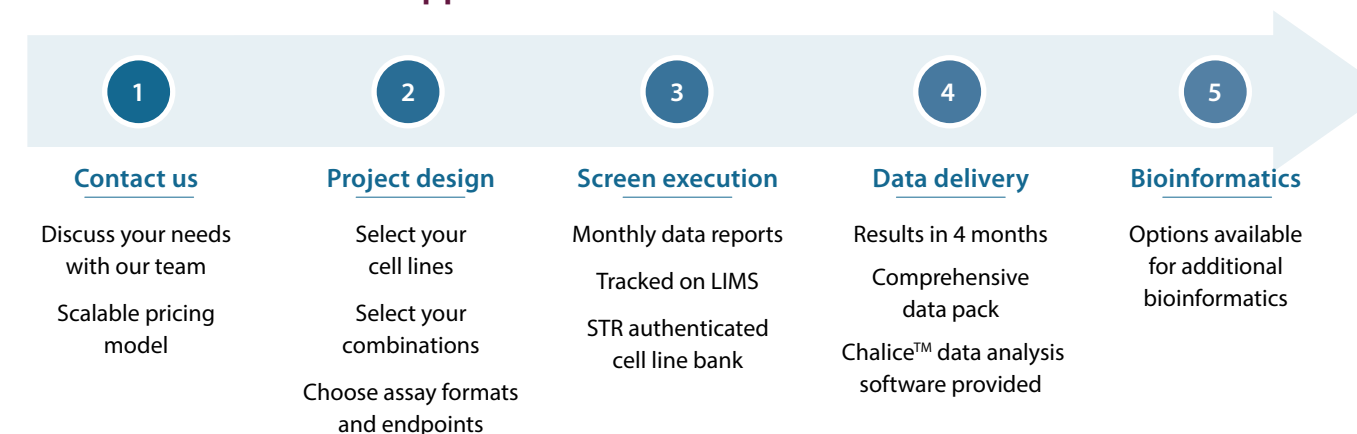


Build a screen that fits your needs

Various assay formats
Synthetic RNAs
Flexible endpoints
Combination screening with
up to 350 compounds

Extended 350 oncology-relevant cell line library for 2D
Over 4000 HAP1 Knock out cell lines
On-board your own cell lines
Client-sourced organoid screens

Consultative Workflow Approach



Webinar 2D & 3D

More information here

Compound screening app note



Cell line engineering

Work in biologically and clinically relevant cell backgrounds

Affordable cell line engineering allows you to focus on the most critical aspects of your research project - delivering accurate data and publishing reliable results.

From standard knockouts to challenging cell lines such as iPSCs and primary cells, Horizon can support you.

Build your own cell line

Knockouts delivered in as little as 12 weeks		
Service	Price from	Benefits
Standard Knockouts	£7,500 \$9,950 €8,750	Invoice on delivery
Double Knockouts	£15,000 \$19,900 €17,500	Single knockout clones included
Cas9 expressing stable lines	£3,750 \$4,950 €4,250	Pooled or clonal format
Knock-ins delivered in as little as 14 weeks		
Single nucleotide polymorphisms (SNP) knock-ins	£9,950 \$13,500 €11,650	• Invoice on delivery • Customer defined zygosity requirements - at additional cost
Tag knock-ins	£11,650 \$15,500 €13,500	• His, FLAG, or Myc • Defined, N-terminal or C-terminal insert location
Reporter knock-ins	£12,800 \$16,950 €14,950	• RFP, GFP, EGFP, EBFP, EYFP, ECFP or customer defined fluorophore • HiBit, LgBit, NanoLUC insertions • Defined, N-terminal or C-terminal insert location
Unique projects - delivered in as little as 12 weeks		
iPSC editing	£12,800 \$16,950 €14,950	• Rely on our vast knowledge and expertise • Zero fees for onboarding customer provided cell line
Can't see your required options? For any complex edits not defined above - contact us for price and timeline. We can perform just about any edit in any cell line.		

Standard deliverables

- Up to 2 clones with sequence verification
- Parental cell lines
- Full IP coverage for R&D under Horizon's CRISPR licenses
- Sterility testing
- Mycoplasma testing
- Summary project report
- Functional verification for Cas9 stable and reporter cell line projects

Add-ons

- Delivery of additional clones
- Larger screen sizes
- Delivery of the edited pool for standard knockout projects

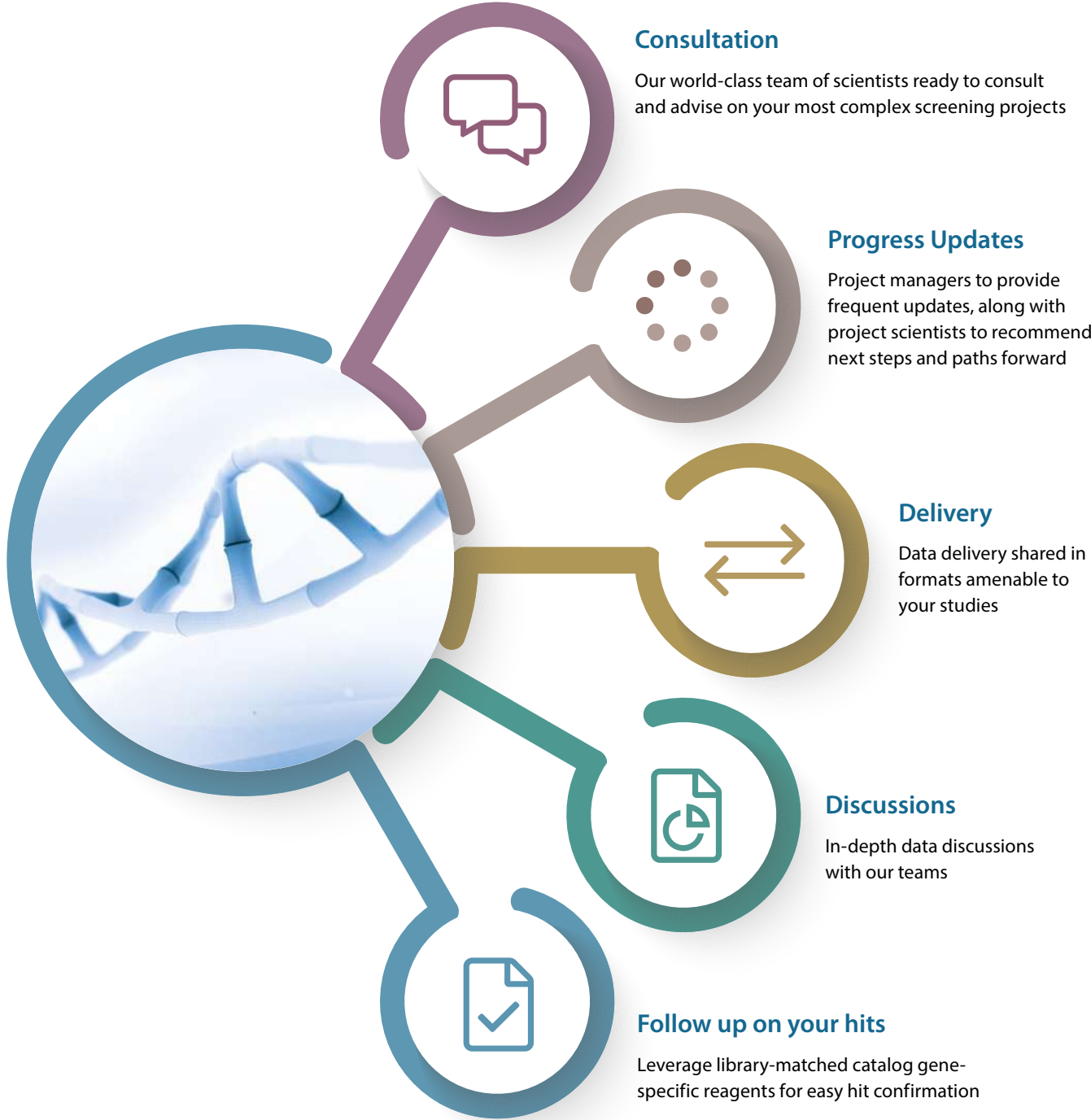
[Learn more: iPSCs and genome editing](#)

[Build your own cell line](#)

[Blog: Pools v Clonal](#)



Our promise To deliver excellence



Screening libraries

Gene modulation reagents

Gene editing reagents

Contact us

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