

www.lifearc.org

LifeArc

Diagnostics development

We help develop your research
into diagnostics for patients



We look to collaborate on development

At **LifeArc**, we are here to help bridge the gap between early stage research and helping that work reach patients. We have a team dedicated to developing diagnostics and are actively seeking to collaborate with researchers and businesses on diagnostic assay development and validation.

We join with researchers, contributing our knowledge and expertise to develop new diagnostic concepts, thereby maximising resources and results. Our end goal is to develop a diagnostic test ready for manufacture. We can work this way because we are a charity and our model is truly collaborative.

Benefit from our resources

Working together, we can deliver diagnostics to patients. By collaborating with us, you will have access to all the resources needed to help progress your research-developed assays towards clinical use. Particularly, **LifeArc** can provide:

- Experienced scientists with diagnostics development expertise
- A controlled development environment with state-of-the-art platforms
- ISO13485 certified quality management system
- Industry experienced project management
- Understanding of in vitro diagnostic medical devices and design control processes



Who we work with

We work with academic organisations, small to medium enterprises and commercial partners from all over the world. As no two projects are the same, we will tailor the way in which we work with each group based on the nature of the diagnostic concept.

Academic and charity-funded researchers

We recognise that funding can be difficult to access for diagnostics development, so we invest our time and resources to support your funding applications as well as to help evolve your research.



Biotech and life sciences companies

Industry often has access to promising science that could benefit from further development, which may be around a proprietary platform.

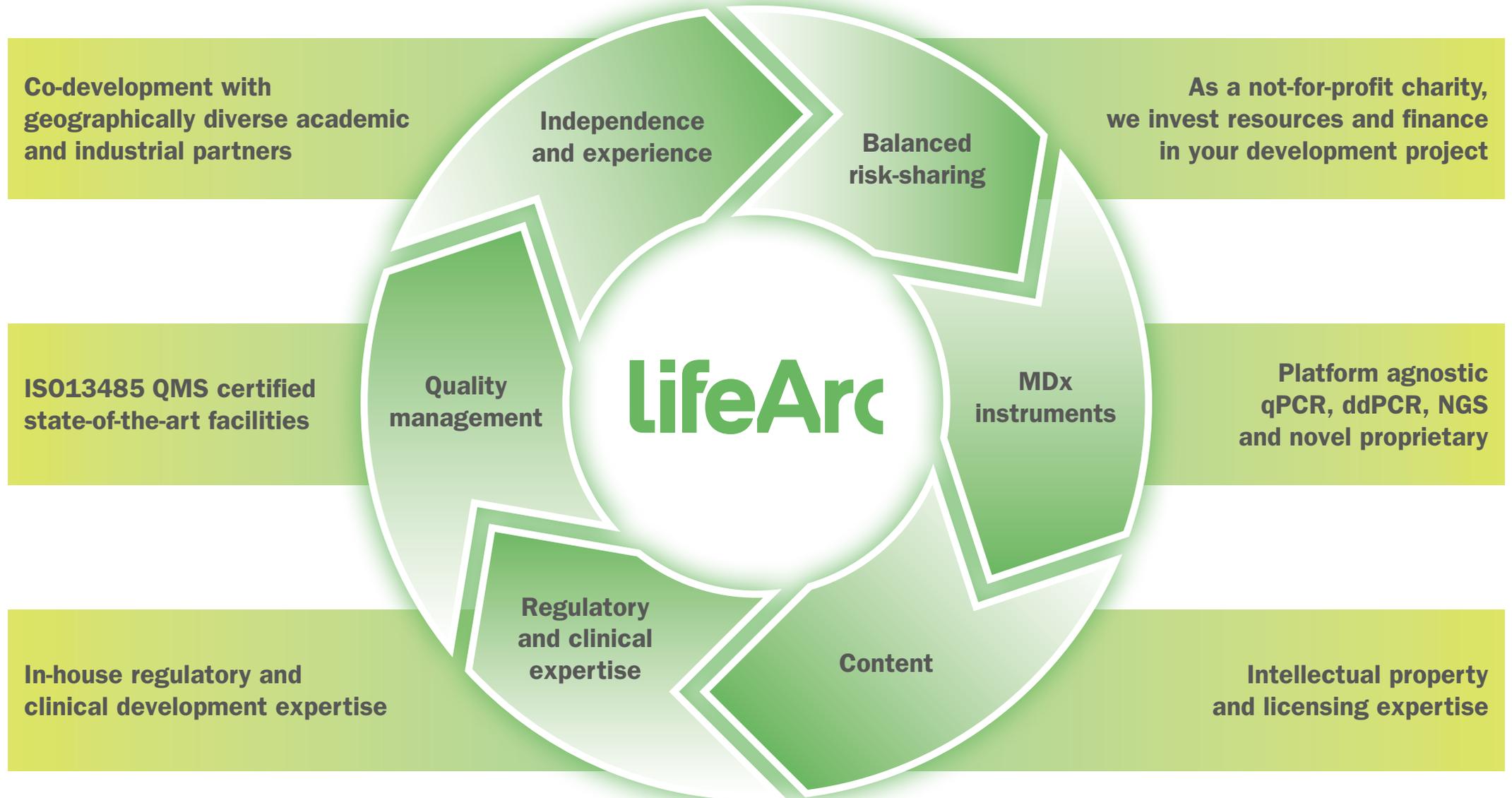
LifeArc is keen to discuss partnering options to advance and streamline this potential. We are not a CRO. Instead, our business model accepts risk in innovation in return for a share of upside.

Case study: Assay development

We are currently collaborating with the molecular diagnostics company Biocartis, developing additional assays for its 'sample to result' proprietary platform Idylla. The platform is a fully-automated, real-time polymerase chain reaction (PCR) based molecular testing system designed to offer results in a minimum amount of time across several applications in oncology and infectious diseases, thus driving efficiencies.



LifeArc: your partner of choice



Research areas of interest

We will consider any disease area, providing there is medical need. However, we will prioritise collaborations in RNA/DNA based diagnostics focussing on:

- Oncology
- Infectious diseases
- Neuroscience

We will also review collaborations in precision medicine, which determine and promote treatment and prevention by considering individual genetic variations.

We can also assist in developing enabling tools, including extraction methodologies and novel assay platforms. These include:

- Novel assays
- Novel methods for extracting sample to access analytes
- Novel platforms

How it works

Your basic research assay will have generated convincing data to support the diagnostic hypothesis from human samples.

LifeArc will take your project through an initial feasibility stage. Successful replication of key data and validation of the diagnostic concept will progress into a full-blown design and development project with the ultimate deliverable of a fully analytically validated test.

We also have the capability to take your project to a CE-marked, clinically-validated device, or to secure a commercial partnership.



About LifeArc

LifeArc is a self-funded medical research charity. Our mission is to advance translation of early science into healthcare treatments or diagnostics that can be taken through to full development and made available to patients.

We've been doing this for more than 25 years and our work has resulted in four licensed medicines and a diagnostic for antibiotic resistance. Our success allows us to explore new approaches to stimulate and fund translation.

With around 200 employees, we are experts across drug discovery, diagnostics development, technology transfer and intellectual property. Our model is built on collaboration, and we partner with a broad range of groups including medical charities, research organisations, industry and scientists.

We are motivated by patient need and scientific opportunity, helping to fulfil the potential of medical research.



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