

# Experimental Medicine

## Turning Molecules into Medicines

Generating rich biological data sets from early clinical trial samples to inform clinical strategy and drive success.



Reshaping  
Discovery  
Together

**CATAPULT**  
Medicines Discovery

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## As an expert in medicines discovery, Medicines Discovery Catapult (MDC) has established a suite of biomarker technologies and workflows and applied them extensively in partnered pre-clinical discovery projects.

We are excited to introduce the power of advance biomarker analysis into the clinical setting.

Our Biomarker team uses highly multiplexed measurement technologies and state-of-the-art techniques that can provide you with unparalleled insights

into your early drug development studies, understanding the critical biomarkers of patient responses.

Combined with our industry-experienced scientists, we can enable you to advance more effective and personalised therapeutic solutions and strategies.

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By tapping into MDC's unique drug development expertise and facilities, we are confident we will accelerate the preclinical development of our drug delivery system and its commercialisation.

**Dr Anna Perdrix Rosell**

*Co-founder and Managing Director, Sixfold Bioscience*

## Who is MDC?

We are an independent, not-for-profit organisation and part of the Catapult Network established by Innovate UK. Our vision is to reshape drug discovery for patient benefit by transforming great UK science into better treatments through partnership.

We support drug discovery innovators by making world-class expertise, facilities, complex technologies and advanced analytics accessible. We connect the life sciences ecosystem, driving a global focus on barriers to innovation in areas of unmet patient and technological need.

We enable successful medicines discovery by industrialising new technologies to drive the adoption of new scientific tools and techniques.



# Building Confidence in a Hypothesis

We will support you to build confidence in a hypothesis and improve your chances of success in the clinic by answering some of the following questions:

Does the compound hit the target in treated patients?

Does the biological pathway response lead to the desired biological effect?

Can we predict a clinical response?

Can we identify patients that will respond to treatment?

Are there biomarkers of drug resistance?

Is the new therapy better than the current standard of care?





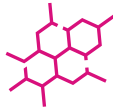
# Our Experimental Medicine Platforms

We enable investigators to incorporate experimental medicine into early clinical studies to test hypotheses, an opportunity that is regularly underutilised in clinical trials.

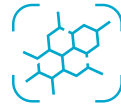
Liquid and tissue biopsies can be analysed using our experimental medicine platforms:



**Circulating  
tumour  
DNA**



**Mass  
Spectrometry**



**Mass  
Spectrometry  
Imaging**



**Digital  
Spatial Profiling**



**Positron Emission  
Tomography (PET)**  
coming soon in  
the UK



**Advanced  
Microscopy**

# How We Can Help

Through our technical capabilities, expertise and drug discovery know-how, we champion UK innovators to reshape drug discovery for patient benefit.



An established suite of **innovative biomarker technologies**



**Ability to multiplex** to gain the most information from patient samples



**Bespoke biomarker** experimental design



Robust assay and workflows, validated through **pre-clinical and clinical setting**



Sample handling and validated **quality management systems**



To get **better treatments** to patients faster



## How to Contact Us

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