

## Medical Staff's Role in **Biospecimen Procurement**

While being essential to biomedical research, biospecimen procurement is complex process also involving the a well-coordinated efforts of various players. This nature of biobanking creates a certain degree of disconnection and often leaves the different parties with only a partial vision and understanding of the entire biospecimen journey.

Scientists need biospecimens mainly for the early preclinical stages of drug development or biomarkers discovery, and their final goal is to support innovative life-saving solutions for patients in need. Biobanking teams ensure the ethical and correct collection of these

biosamples and their delivery to the researchers. professionals play a crucial role within this process and they oversee a number of key aspects of human biospecimen procurement.

Scientists use disease models to study pathologies and find new cures. Available disease models are: animal models, in vitro cell lines, and patient derived biosamples Which human biosamples can be used for drug discovery and development? Blood · ·

## multiple ways during all the phases of the drug development

How are collected biosamples used?

Isolated biospecimens are being processed and analyzed in

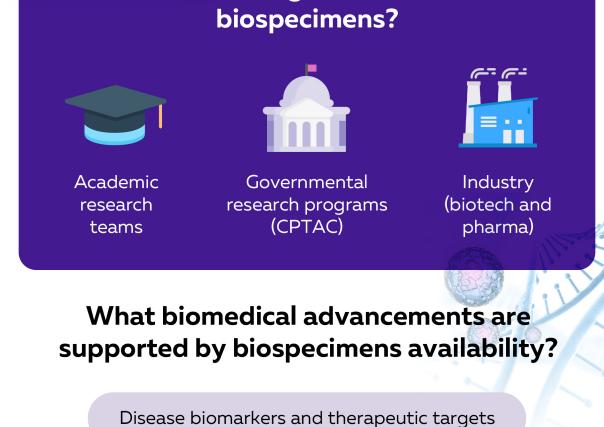
They are being processed to extract and analyze key biomolecules

They are being processed to extract key cell types and

They are being cultured to test drug efficacy and toxicity

study disease mechanisms

Who is using the collected



## Cell and gene Precision **BIOSPECIMENS** medicine therapies

**Immunotherapies** 

Biosamples need to be:

Ethically collected

Liquid biopsy

useful for achieving good results!

Can all biosamples support biomedical

research? No, only quality biosamples are

## Corresponding to the study cohort size needs Collected and processed in a uniform way, following the study's SOPs and protocols Biosamples full potential comes with associated medical data

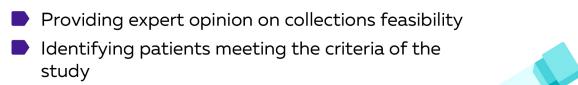
How to ensure biosamples meet these criteria? Work with a qualified and devoted medical and

Collected from pseudonymised patients, corresponding

to the inclusion/exclusion criteria of the study

laboratory teams!

Ensuring patients safety and anonymity is



What is the role of clinicians and medical staff

in the process of biospecimen collection:

- Ensuring biosamples are collected, following study's SOP and protocols Ensuring extensive medical data is collected and
- efforts in treating and helping patients as well as in supporting new therapeutics development and protecting patient's safety throughout the process.

we collaborate with, check our Geographical Locations

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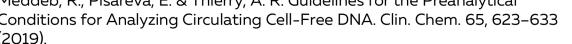


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