Cellaria

Driving Innovation for Cancer Researchers

Custom Services for Cancer Researchers

Partner with us and draw on our unique expertise to ignite new progress and possibilities in cancer research.

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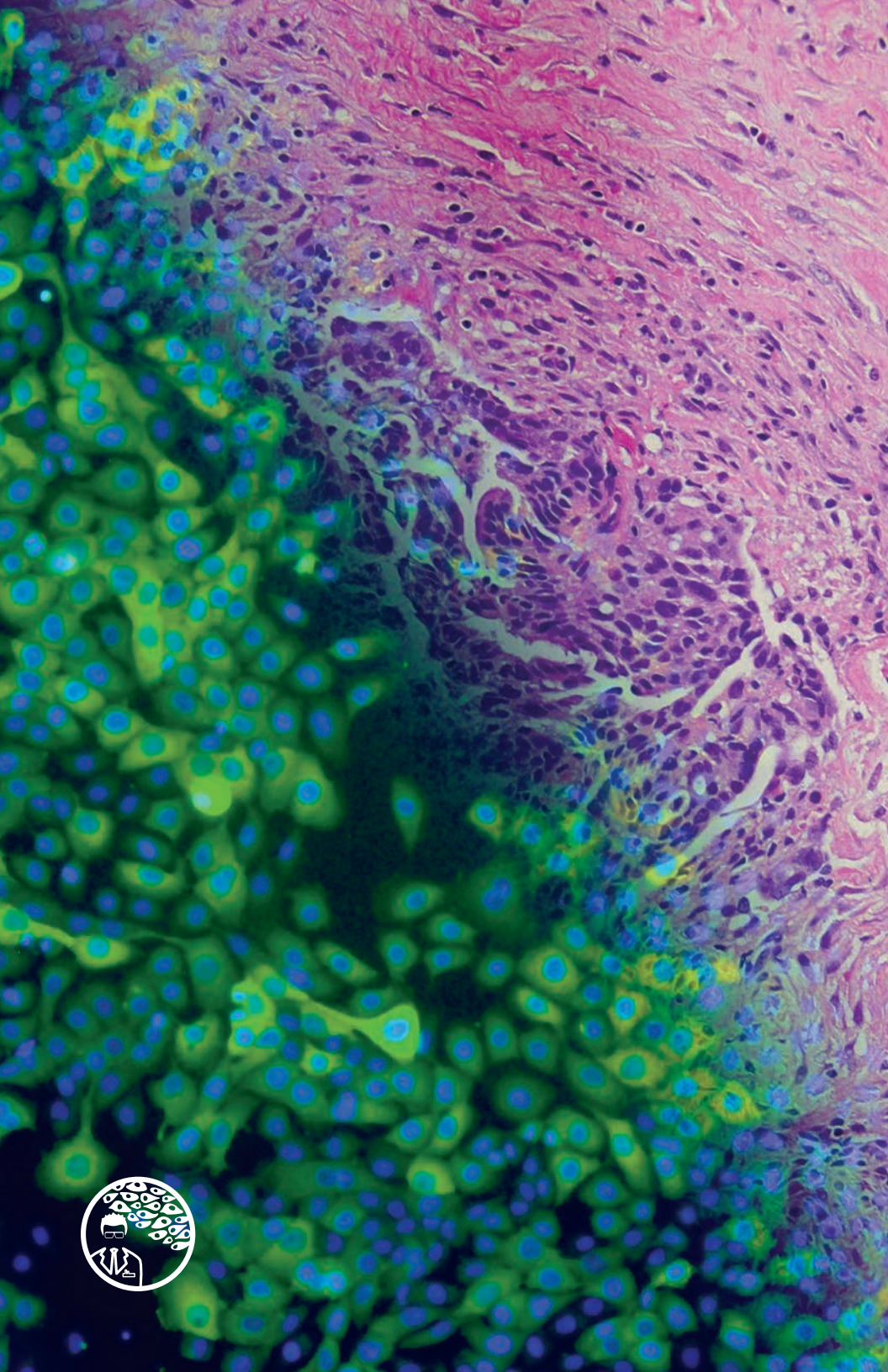


Cellaria offers a suite of custom services to address the ever-changing research needs of the drug discovery pipeline. We are advancing pre clinical and translational research with powerful solutions that address the need for better reproducibility, biological relevance, and traceability to the patient.

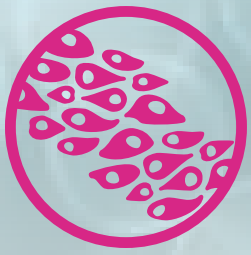
Utilizing our proprietary technologies and in-house expertise, and working as your collaborative partner, Cellaria is ready to help you accelerate the discovery of your next personalized therapy.

Our Technological Edge

We combine a staff of cell culture experts who specialize in difficult-to-culture tumor types with proprietary technology, creating *in vitro* cancer models with a feeder-free, reproducible methodology.

- Integrated outreach services to source, profile, and model your desired tumor type
- Feeder-free methodology that lowers contamination risk and provides higher reproducibility
- High success rate per sample, over 80%
- Wide network of tissue banks to source samples with the specific markers you need
- Wide portfolio of characterization capabilities including mutational tracking
- Custom panels across highly sought out disease indications

Cancer Research Services



Custom Cancer Cell Model Development

Cellaria develops *in vitro* cancer models based on your specific needs, as defined by clinical condition, mutational profile, or other characteristics integral to your research.

- We specialize in difficult tumor types and can create models where none exist
- All patient samples are procured from ethical, consented sources
- We track your mutation of interest from the original tumor tissue to the final cell model

Custom Assay Development

Test your targets on Cellaria's authenticated cell models. Our team can effectively evaluate your compound against our cancer cell models, and work with you to develop the right model and assay for your research.

- Customizable tumor models that better match your research
- Therapeutically relevant models that can address specific question

Mouse Xenografts from Cell Models

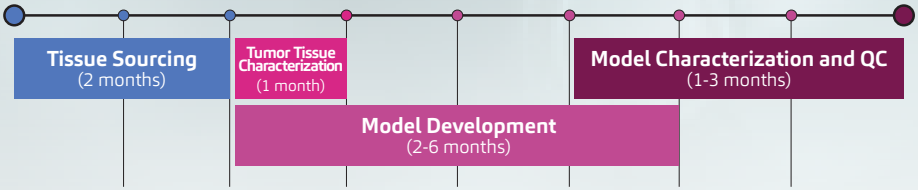
Cellaria will create custom mouse xenografts from *in vitro* cell models. Our xenografts allow you to compare the same cells *in vitro* and *in vivo.*

Custom Cancer Cell Model Development

Cellaria can source the appropriate tumor tissue for your needs, and utilizing genotypic and phenotypic analysis, isolate multiple cell subtypes with your desired attributes.

Each of our models is derived directly from a patient's tumor and is optimized for scalability. Backed by extensive clinical data, our cell models are fully consented and documented, and subject to comprehensive quality control.

Sample Timeline



Tissue Sourcing (2 months)

Cellaria can procure patient-sourced cancer tissue of various subtypes and clinical indications critical to our customers' research. We can also select tissues based on genomic or other characteristics prior to model development.

Tumor Tissue Characterization (1 month)

We can characterize your tumor tissue of choice on a genomic basis utilizing specific mutation panels, prior to model development, to ensure your specific needs are fulfilled by our models.

Model Development (2-6 months)

Our models go beyond traditional cell lines by capturing tumor heterogeneity. These source cells are fully consented, documented, and authenticated patient-derived cell models. Growth conditions are optimized to better maintain the relevant cell populations.

Model Characterization and QC (1-3 months)

We can characterize your model post-development to ensure proper phenotypic and genotypic characteristics are maintained from the tumor sample to the model.

We will QC your custom cell models along your specific requirements and needs including, but not limited to:

- → Mycoplasma sterility to ensure lack of microbial contamination
- → Pathogen sterility to ensure lack of viral contamination
- → Stable cell growth over multiple passages

About Cellaria

Cellaria creates high quality, next generation *in vitro* disease models that reflect the unique nature of a patient's biology. All of our models begin with tissue from a patient, capturing clinically relevant details that inform model characterization. For cancer, Cellaria's cell models capture novel cell populations from difficult-to-culture tumors. For RNA-mediated iPS cell line derivation, Cellaria's cell models enable interrogation of disease-specific mechanisms of action. Cellaria's innovative products and services help lead the research community to more personalized therapeutics, revolutionizing and accelerating the search for a cure. **Start your consultation today.**

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