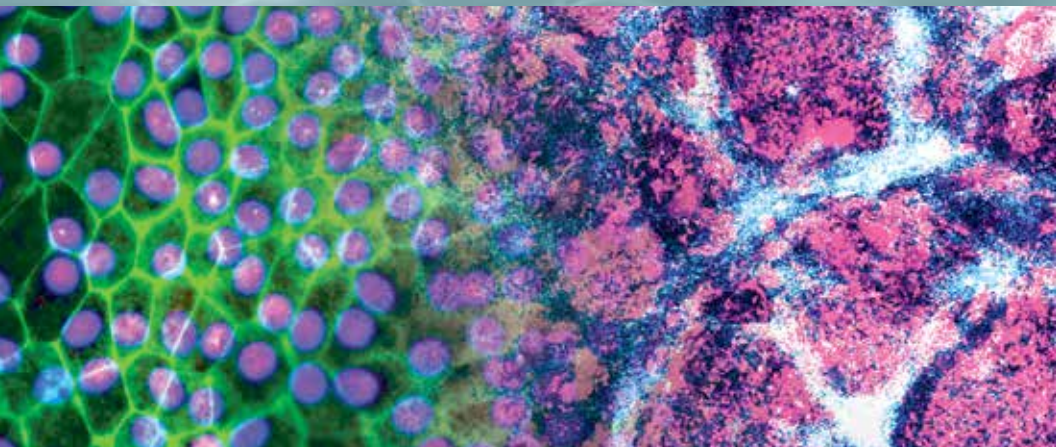




Driving Innovation for  
Stem Cell Researchers



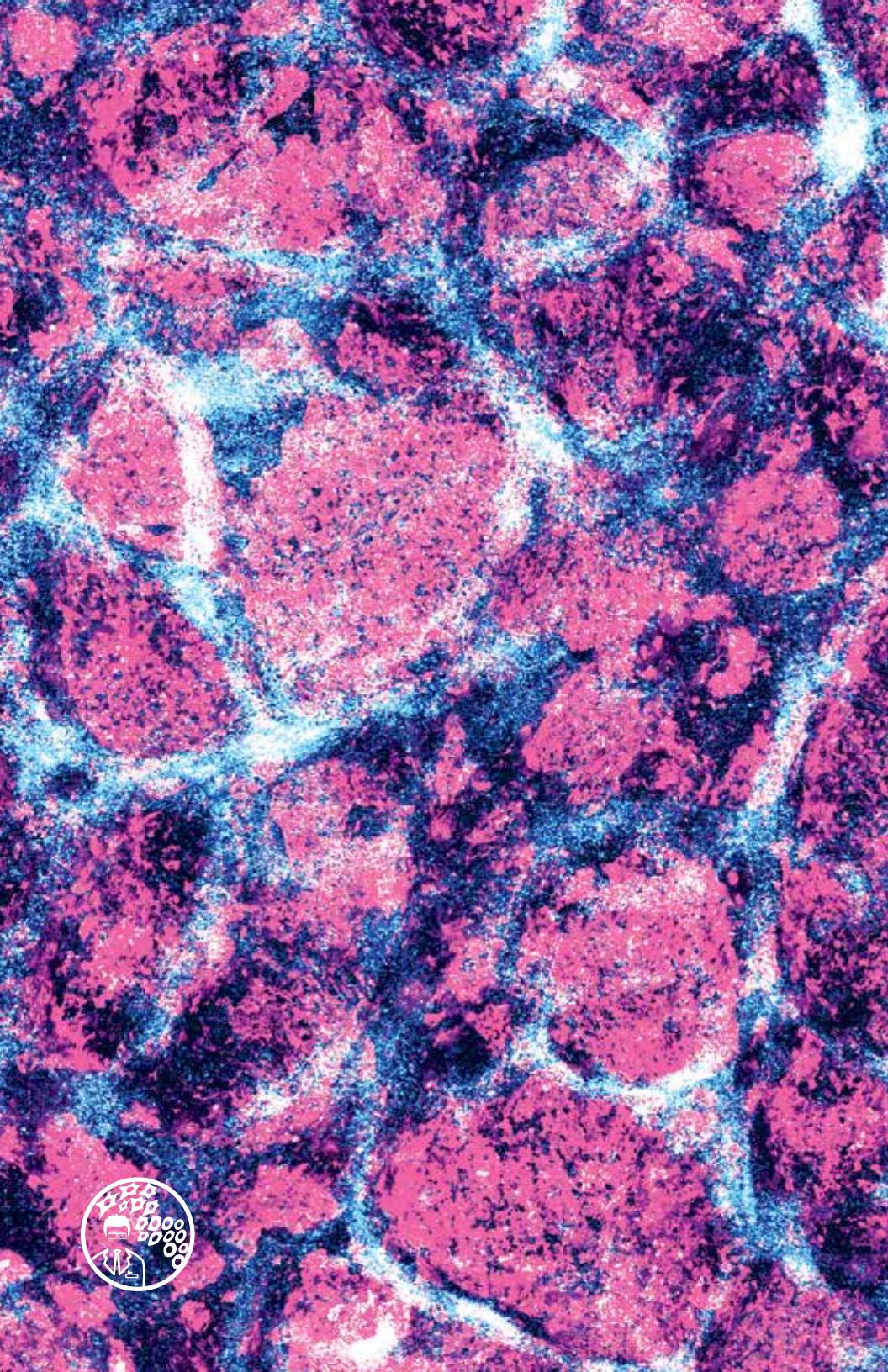
# Stem Cell Services



Partner with us and have  
access to the most advanced  
and comprehensive stem cell  
services available today.

675 W. Kendall St.  
Cambridge, MA 02142  
617-981-4208  
[support@cellariabio.com](mailto:support@cellariabio.com)  
[cellariabio.com/stemcell](http://cellariabio.com/stemcell)







Cellaria offers the most advanced and comprehensive stem cell services available today. Our single source service offerings include RNA-mediated iPS cell line generation, maintenance, and differentiation to enable the development of next generation disease models.

These disease models are used for pathway biology, drug development, and assessment of molecular and pharmacological mechanisms of action – with long-term potential application in the development of the next generation of personalized therapies.



# Why RNA?

RNA has proven to be the most efficient and clinically relevant reprogramming platform for the generation of human iPS cell lines from human skin fibroblasts and peripheral and cord blood endothelial progenitor cells. The combination of this platform and our expertise ensures the delivery of high quality iPS cell lines to meet your specific needs.



# Our Technical Edge

We combine a team of experts who have over 20 years of experience in RNA-iPS cell biology and provide a single source solutions for your iPSC needs: primary patient cell culture establishment, RNA reprogramming, iPSC line expansion/banking, characterization and differentiation.

→ **RNA reprogramming service offerings**

Integration-free, non-viral, safe and efficient

→ **Differentiation service offerings**

Readily available lineages coupled with flexible, efficient and iterative custom solutions

→ **Consultative science**

Industry leading scientific experts will help to develop a cost-effective and milestone-driven project to meet your needs

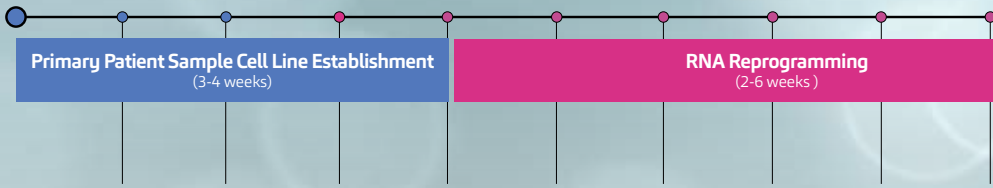
→ **Concierge customer and technical support**

Start-to-finish assistance and support throughout entire process

Cellaria delivers the most comprehensive, milestone-driven and customizable service solutions available. Coupled with concierge technical support by industry-leading experts, we enable the next-generation of disease models.



# Reprogramming Services



## Primary Patient Sample Cell Line Establishment (3-4 weeks)

Cellaria will work with you to identify and select the proper patient sample source to fit your specific research program needs.

- Fibroblasts from skin punch or EPCs from blood
- Human Pathogen Panel and mycoplasma testing
- 3-4 vials (1M cells per vial)

## RNA Reprogramming (2-6 weeks)

Our team utilizes novel RNA reprogramming technologies that allow for the generation of clinically-compliant and integration-free human iPSCs from human fibroblasts and endothelial progenitor cells in as little as two weeks. Use of non-integrating RNA technology ensures that your iPSC cell lines have never been exposed in vitro to retained viral programs or DNA vectors that may result in genomic integration/alteration.

## Expansion and Banking of Primary Patient Cells (3-4 weeks)

Cellaria's expansion and banking protocols incorporate xeno- and feeder-free cell culture substrates, culture and cryopreservation media to ensure consistent, high viability cell cultures upon thaw. Derived iPSC cell lines can be expanded and banked to meet alternate customer specifications.



**Expansion and Banking of Primary Patient Cells**  
(3-4 weeks)

**Basic Characterization**  
(1-4 weeks)

## Basic Characterization (1-4 weeks)

Cellaria's core services include ICC or FACS to ensure pluripotency expression, mycoplasma/pathogen screening to ensure sterility, and fingerprinting analysis to ensure iPSC identity. Additional services include karyotyping to assess genomic stability, qRT-PCR of pluripotency genes, or tri-lineage differentiation to assess in vitro pluripotential.

## Advanced Characterization

For specialized support, Cellaria goes beyond basic characterization services to include in vivo teratoma formation assay or directed differentiation to terminal cell type.

# Differentiation Services

Cellaria has industry-leading expertise in iPSC cell modeling that allows for the most flexible, adaptable and customizable solutions for your differentiated cell type of interest. Our stage-specific targets combined with consistent scientific communication throughout the project, ensures an efficient and tailored process. Current cell types offered include, but are not limited to:

- **Neural Progenitor Cells (NPCs)** 1-2 months
- **Cortical, Dopaminergic, Motor Neurons** 2-3 months
- **Hepatocytes** 1-2 months
- **Cardiomyocytes** 1-2 months



## 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 RNA-mediated iPS cell line derivation, Cellaria's cell models enable interrogation of disease-specific mechanisms of action. For cancer, Cellaria's cell models exhibit molecular and phenotypic characteristics that are highly concordant with the patient.

Cellaria's innovative products and services help lead the research community to more personalized therapeutics, revolutionizing and accelerating the search for a cure.

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