

## In Brief...

**Sanatela Precision Diagnostics** is the only company in the world that can **provide oncologists** with an easy and efficient way to precision **target and kill the root cause of cancer** for the very first time in medical history.



The **Sanatela Matrix** is a 3-D bioengineered platform in the form of a bio-matrix that enables oncologists to **capture**, to **isolate**, and to **screen Cancer Stem Cells (CSCs)** in a bioengineered environment that closely **mimics the natural environment in a human body** where stem cells and cancer cells grow, multiply and prosper, that is, in human bone marrow.

Cancer Stem Cells are **bio-attracted** (or "home") to our Matrix. It is made with **100% Decellularized Wharton's Jelly**. We obtain the Wharton's Jelly used in our Matrix from within the jelly-like core of umbilical cords obtained after live healthy human births per FDA human cell and tissue requirements. Our ground-breaking **biomimetic 3-D stem cell culturing platform** made from this material mimics the microenvironments of the human body.

Doctors using our platform and tools can precisely screen cancer therapies in the lab, and they can then tailor **individualized treatment plans** that target and kill active and dormant Cancer Stem Cells.



## Even Briefer...What Doctors and Patients Need to Know

This new Sanatela Matrix method **reduces the number and length of chemo and radiation therapies**. Improvements in screening with our **Matrix could radically reduce the 20+% of cancer deaths due to chemo** and radiation negative reactions and side effects.

Our proven technology is backed by multiple peer-reviewed articles and many years of cancer bloodline trials.

## Our Most Recent Good News to Share

As of January 2021, we have begun both contract manufacturing and manufacturing per FDA CFR 1271 PSA 360 requirements. Our quality system is compliant to cGMP, GTP, GLP and ISO 9001. Our 2,000 sq. ft. clean manufacturing operates in a clean room designed to meet ISO 7. We also have an additional 3,000 sq. ft. of ISO 7 clean manufacturing space available for our expansion.

Come January 14th our Sanatela team was also **honored to be named Newcomer of 2020 award by MedTech Association** alongside Regeneron, Ortho Clinical Diagnostics, and other big Industry award winners.

**Last Words -- Join Us!** We have done all we can to advance this new biotechnology to this exciting first stage of commercialization. You can participate in our launching more life-saving Sanatela and other products from ATVentureCenter. To contribute or invest, **contact [erincrowley@atventurecenter.com](mailto:erincrowley@atventurecenter.com)**  
**Sanatela Video** <https://www.youtube.com/watch?v=rnRIJqNXSmg>

# Sanatela Matrix Timeline

**Wharton's Jelly Discovery**  
While at the University of Kansas, Hematology Oncologist Dr. Omar Aljittawi, MD discovers Wharton's Jelly bioattracts cancer stem cells.

**Matrix Technology Licensed**  
University of Rochester files patent application for Decellularized Wharton's Jelly 3D Matrix. Sanatela parent company ATVentureCenter purchases worldwide exclusive license.

**Manufacturing Process Developed**  
Sanatela teams with Rochester Institute of Technology Kate Gleason College of Engineering to design Matrix manufacturing process that meets Quality and FDA requirements.

**Sanatela Team Built**  
Sanatela team scales up during pre-launch period, adding 15 team members in sales, manufacturing, science, engineering, pharmacology, operations, finance, and human resource

**Manufacturing Begins**  
Sanatela moves into ISO 8 Clean Room Manufacturing Facility in Rochester, NY. Registers Facility with the FDA for Human Cells and Tissue Manufacturing.

1990

## Cancer Stem Cells Identified

John Dick is first to identify cancer stem cells (CSCs) in human leukemia, spawning a new direction in cancer research.

2008

## Wharton's Jelly Matrix Invented

Now at the University of Rochester, Dr. Omar Aljittawi and UR Stem Cell and Regenerative Medicine Institute's Dr. Hani Awad, PhD co-invent the Decellularized Wharton's Jelly 3D Matrix.

2016

2019

## Sanatela Company Formed

ATVentureCenter incorporates Sanatela, Inc. to commercialize Decellularized Wharton's Jelly 3D Matrix. 6-person start up team is formed to launch company.

2019

2019

## Scientific Advisory Board Formed

Sanatela attracts support from major figures in biotech, including Dr. Kurt Kreiter, former Sr. Director Global Medical at Biogen, and Dr. Irwin Gelman, Director of Research Integration at Roswell Park Cancer Center.

2020

2020

## Start-Up Traction and Recognition

Sanatela achieves StartUp NY designation from NYS Empire State Development (ESD) and is named Newcomer of the Year by MEDTECH Association, alongside award winners Ortho Clinical and Regeneron.

2020

2021