



Henrietta

Sacks



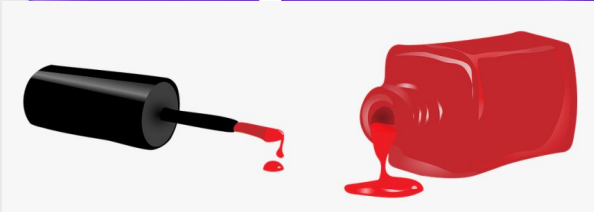
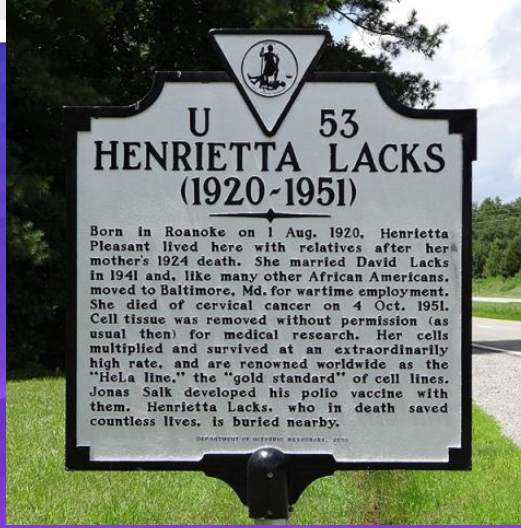
“

**We must not see any person as an abstraction.
Instead, we must see in every person a
universe with its own secrets, with its own
treasures, with its own source of anguish, and
with some measure of triumph.**

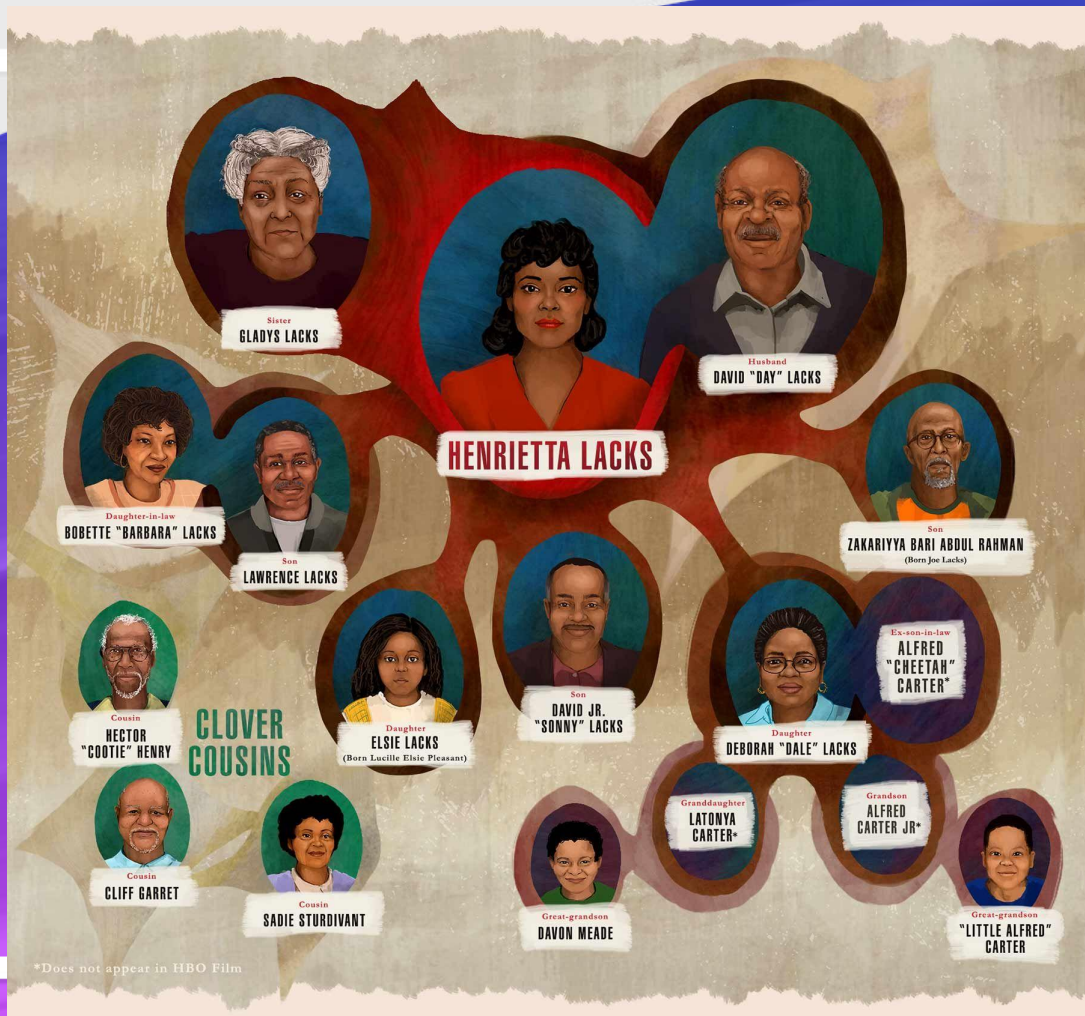
*Elie Wiesel qtd. in The Immortal Life of
Henrietta Lacks by Rebecca Skloot*



*The book started
with a photo.*



The Details.

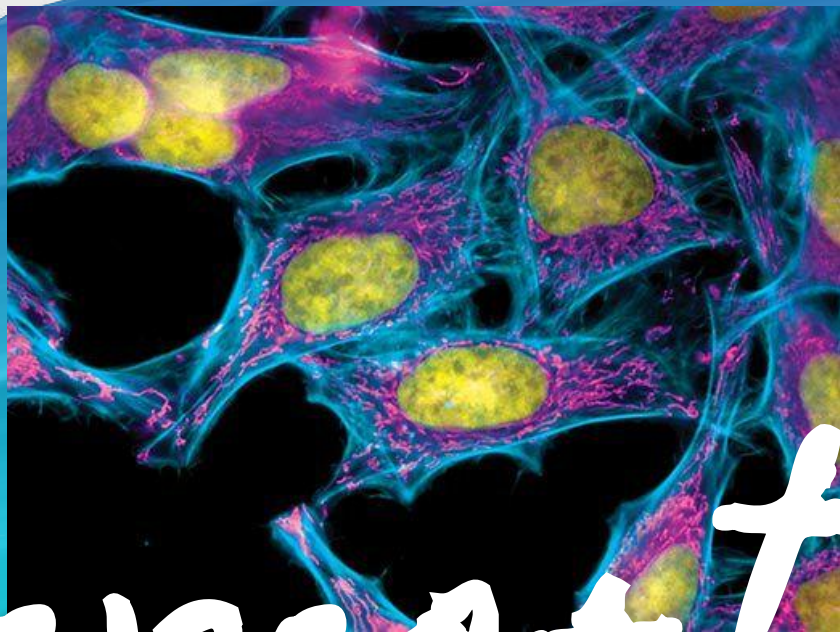


*Does not appear in HBO Film

A fluorescence microscopy image of HeLa cells. The cells are stained with three different dyes: blue for nuclei, green for cytoplasm, and red for microtubules. The image is presented as a torn piece of paper with a white border.

HeLa

Cells

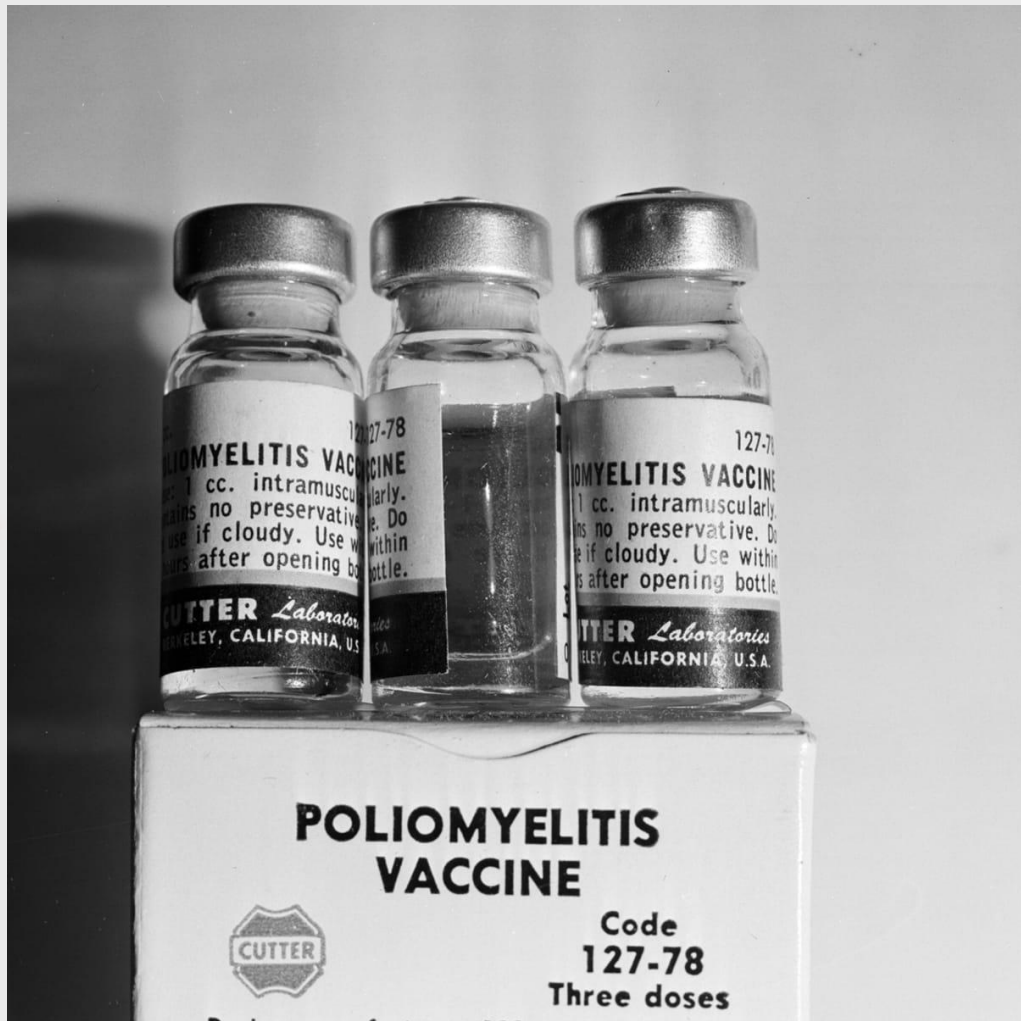


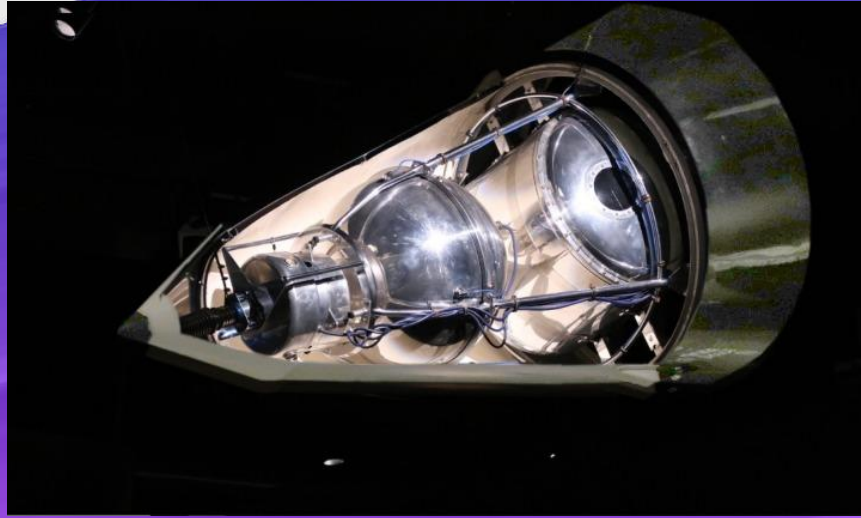
immortal

HeLa Cells could wrap around the Earth three times



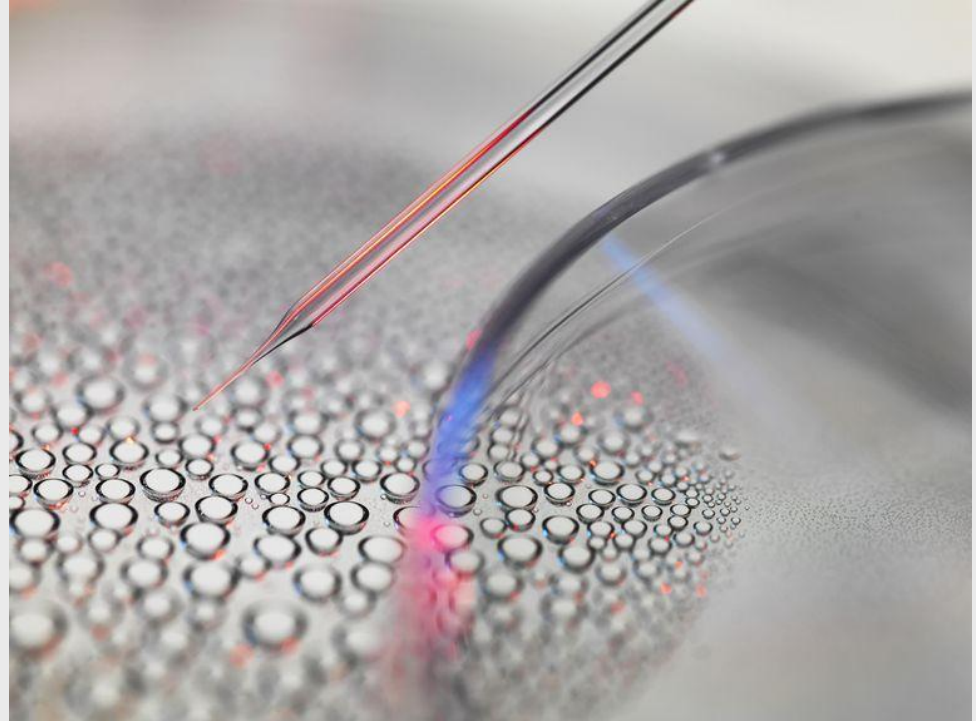
Polio Vaccine





First Cells in Space.

Cell Cloning



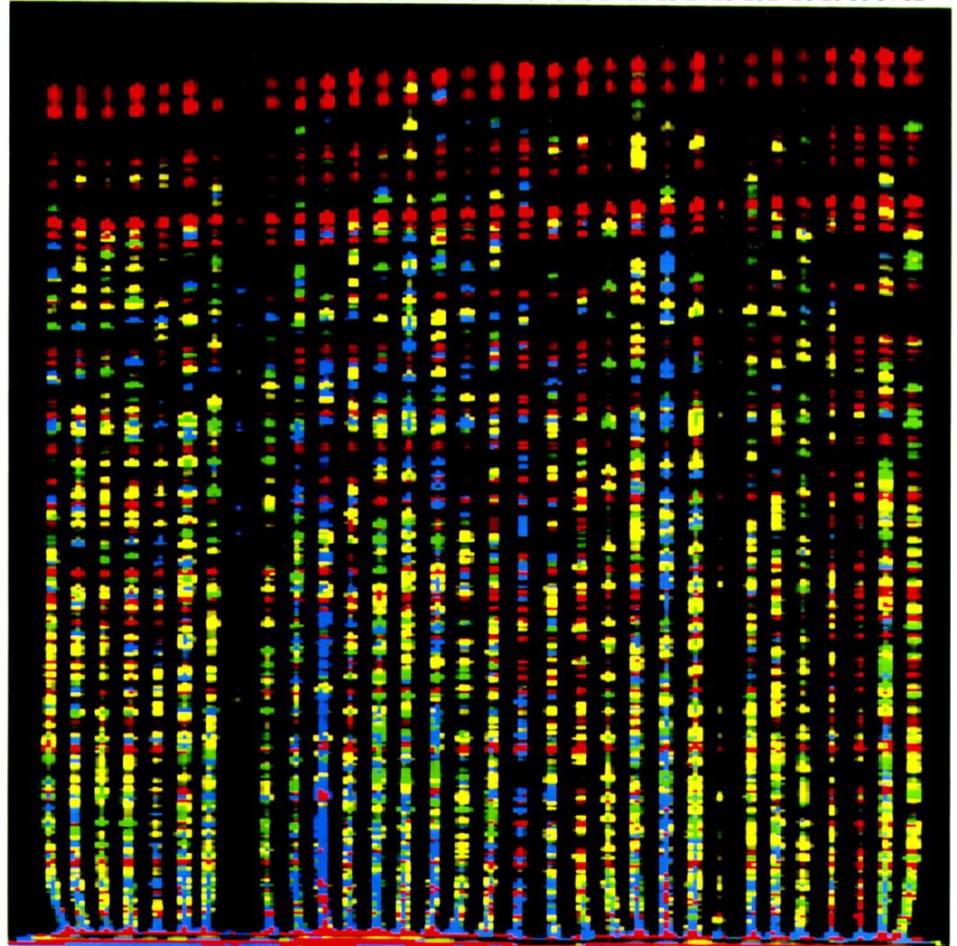


Cancer Treatments: Christine and Toxatin

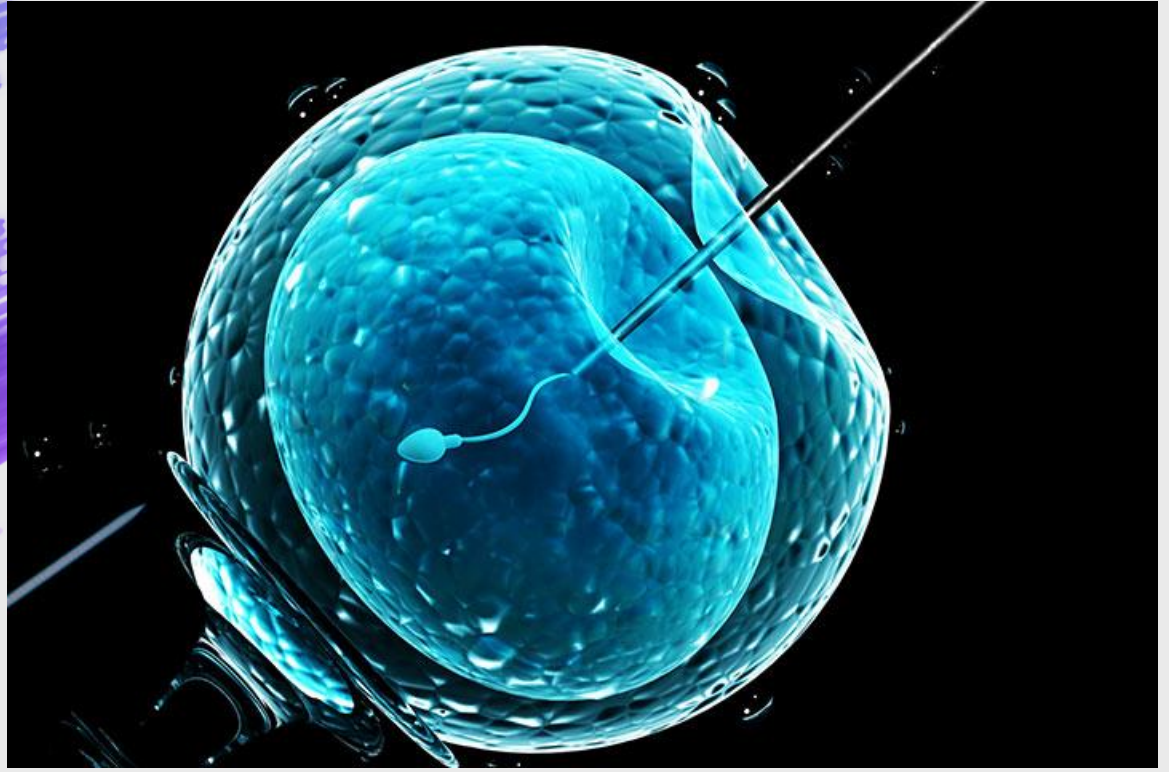
Gene Mapping

a

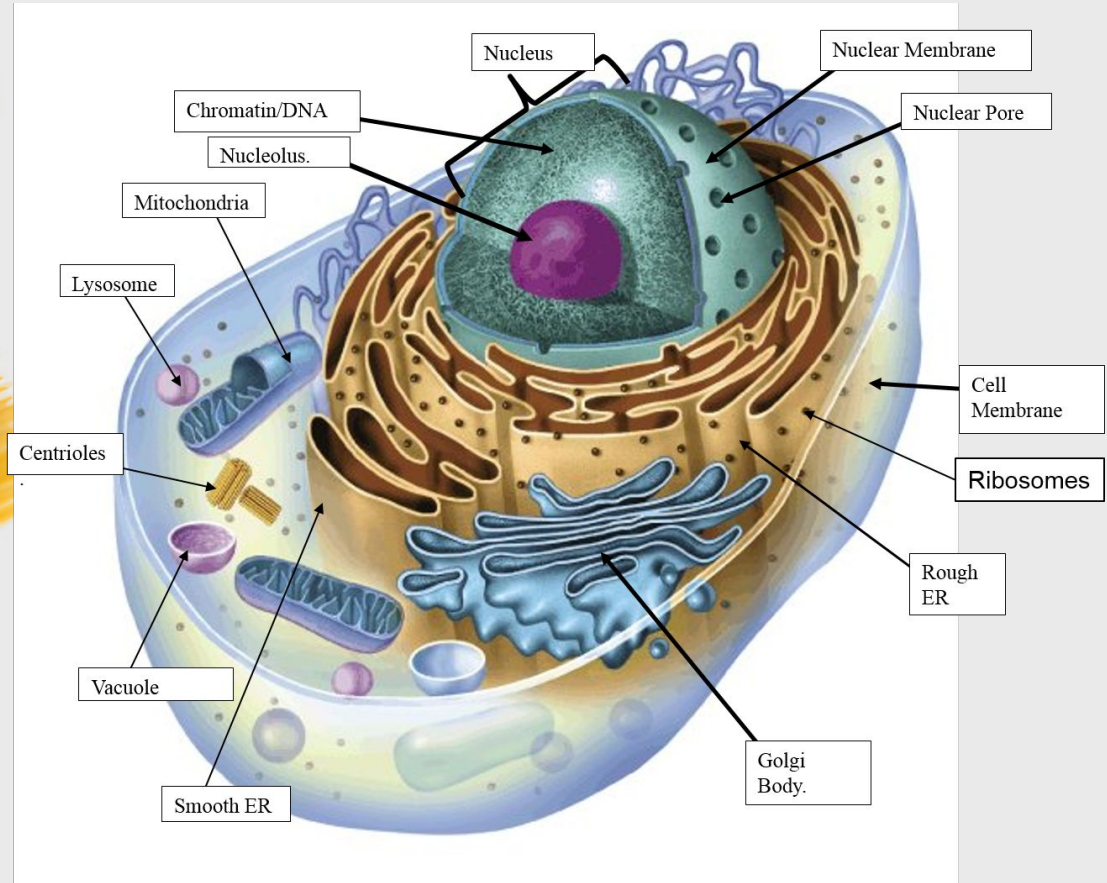
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32



In-vitro Fertilization



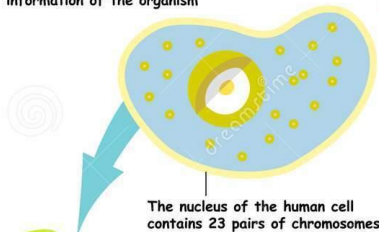
Crash Course Biology Lesson: Basic Cell Anatomy Review



In the cell nucleus, there is an entire genome made up of individual genes.

Genome in the structure of DNA

The genome (gene + chromosomes) is the aggregate of all the hereditary information of the organism

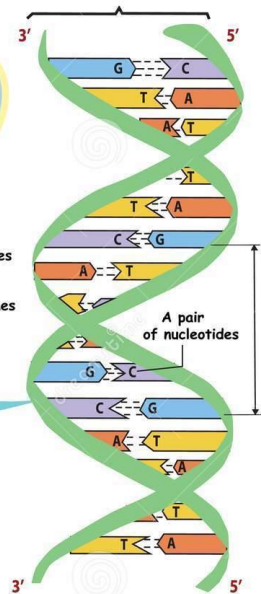


Each of the pairs of chromosomes contains a separate linear double-stranded DNA molecule



Size of DNA

- In the largest chromosome - 250 million pairs of nucleotides
- In the smallest - 47 million pairs of nucleotides



The size of the gene in the chromosome is about 50 thousand pairs of nucleotides



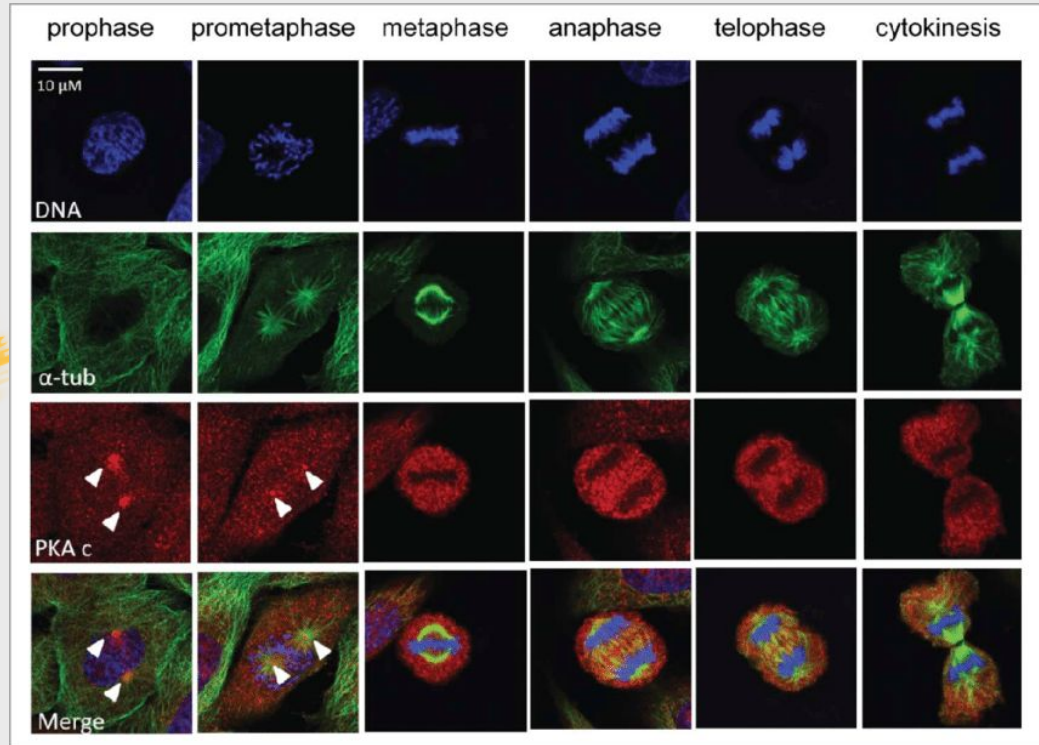
Download from
Dreamstime.com

This watermarked comp image is for previewing purposes only.

ID 112651440

© Vitalii Zhurakovskiy | Dreamstime.com

HeLa Cell Mitosis



**But, who was
Henrietta Lacks?**

**HeLa cells have
changed medicine
and science forever.
But, who is behind
the legacy?**



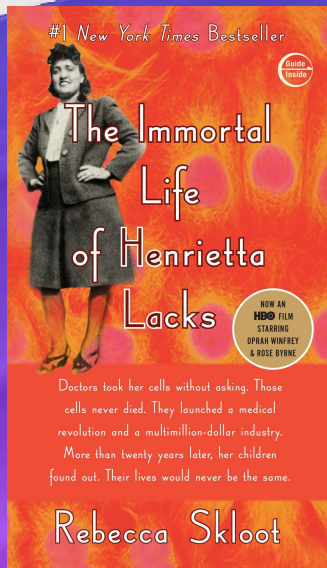
**1951- Johns
Hopkins
“Color
Ward”**



**Discovered the
immorality of
Henrietta's cells...
without her
knowledge.**



Fig. 1 Dr. George Gev and Margaret Gev in the Johns Hopkins Hospital



Let's read
her story.