Getting Started

# 

# What is your topic/idea/interest?

My topic of interest is how cancer develops and spreads.

# Conduct a BASIC internet search for a general overview of your topic (on the search engine of your choice).

Write down 3 interesting things you found:

1. Cancer develops when a cell's DNA becomes damaged, leading to mutations that disrupt the normal cell cycle.

2. Mutations may be inherited, develop over time as we age and genes wear out, or develop if we are around something that damages our genes, like cigarette smoke, alcohol, or ultraviolet (UV) radiation from the sun.

3. Cancer spreads through a process called metastasis, where cancer cells break away from the original tumor and travel to other parts of the body.

# Conduct an ACADEMIC search in [Library Quick Search](https://library.tamu.edu/).

Write down 3 interesting things you found:

1. There is a broad consensus that cancer is, in essence, a genetic disease and that accumulation of molecular alterations in the genome of somatic cells is the basis of cancer progression.

2. The success of cancer drugs designed to target the molecular alterations underlying tumorigenesis has proven that somatic genetic alterations are legitimate targets for 4. therapy.

3. Finally, the ongoing analyses of multiple cancer genomes will identify additional targets, whose pharmacologic exploitation will undoubtedly result in new therapeutic approaches.

DeVita, Vincent T., et al. Cancer: Principles and Practice of Oncology Primer of Molecular Biology in Cancer, Wolters Kluwer Health, 2020. ProQuest Ebook Central, http://ebookcentral.proquest.com/lib/tamucs/detail.action?docID=6561640.

Created from tamucs on 2025-01-21 22:24:35.

# [Explore CQ Researcher](https://cqpress.sagepub.com/)

Select either YOUR topic or another topic that seems intriguing to you.

Topic you explored:

My topic of interest is how cancer develops and spreads.

Write down 3 interesting things you found:

1. The House by voice vote on Oct. 15 cleared the multipart, $4 billion reauthorization (S 2450—PL 95-622) that re-established a national commission to study medical ethics problems and provided two-year extensions for disease research and control programs of the National Cancer Institute. (The following facts occurred because of this.)

2. By 1978, however, there was strong statistical evidence that personal habits such as smoking and environmental factors such as pollution played a major role in the incidence of cancer. And many scientists viewed cancer as a highly complex group of diseases, with multiple causes, rather than as a single entity.

3. The 1971 National Cancer Act had conferred special status on the cancer institute and reflected a view that massive infusions of money into targeted research could produce an early cure,

Locate a different topic from the one you explored above.   
Click on the “chronology” link to view the timeline.   
  
How far back does the timeline go?  
- This timeline dates back to 1946 up to the year 2000.

Was that surprising to you?  
- This was surprising to me because knowing the technological advancements back in the mid-1900s were insignificant, so for cancer research to be done that far back was impressive.