



Exploring Cancer		Fridays	
Examining the Role of Biology, Race, Class, and Socioeconomics		11:00 - 11:50 AM EST/EDT	
August 25	October 13	November 10	
Welcome to Cancer(s) and Health	Breast Cancer Health	Precision Medicine and	
Disparities 101 - The Introduction	Disparities	Immunotherapy	
September 1 Radiation Oncology	October 20 Pancreatic Cancer	November 17 Expanding Cancer Care Quality and Delivery in Sub-Saharan Africa:	
September 8 New Strategies in Treating GI Cancers	October 27 Career Panel	a collaborative approach	

Examining the fold of Biology, Race, Class, and Socioeconomics Mugust 25, 2023 Melcome to Cancer(s) and Health Disparities 101 - The Introduction Antonio T. Baines, PhD







Professional Highlights

5. Dr. Baines is a proud graduate of an HBCU - Norfolk State University - Behold, the Green and Gold!!

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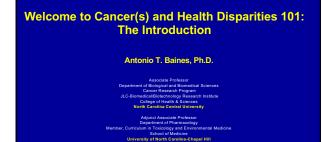




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Question

How many of you know someone who has or has had cancer?



08/26/23

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Learning Outcomes

- Define "cancer" and list some of the causes
- Describe the terms "health disparity" and "health equity"
- Discuss why more need to be done to improve healthcare for all people

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Outline

- A Career in Cancer Research
- Important details about Cancer: including statistics, definition, causes, and treatments
- My Research Interests in Pancreatic Cancer
- What is Health Disparity and Health Equity?
- What can we do to prevent Cancer?

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Do you like to ask <u>Questions</u>? Do you like to find out <u>Answers</u>? Do you want to <u>Help people</u>? Let's talk about being a CANCER RESEARCHER



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Careers in Cancer Research:

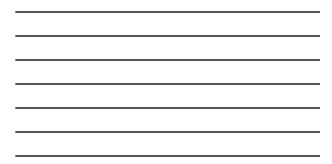
University Professor (Teach and Conduct Research)

Cancer Biology

Cancer Pharmacology –

study normal cell machinery and cellular processes, interested in developing novel drugs to treat cancer cells







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The trip that changed my life and helped to chart my path				
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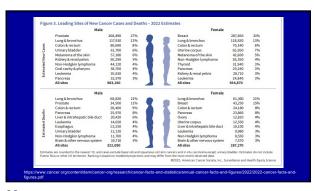




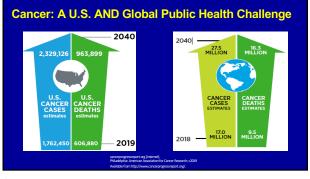


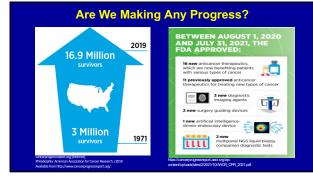
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What is Cancer?

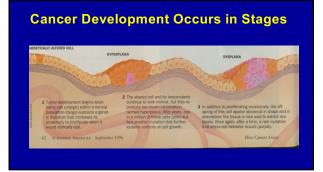
Cancer - A collection of diseases that arise when processes that control normal growth control, division, and life span go awry; Happens mainly due to mutations

Mutations – Changes in genetic material of normal cells; Sometimes mutations are inherited (10%) but most mutations are acquired over time due to exposure to carcinogens

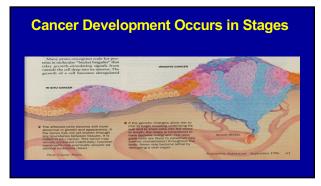
Carcinogens – chemicals or physical substances that can cause cancer (tobacco smoke, UV light)



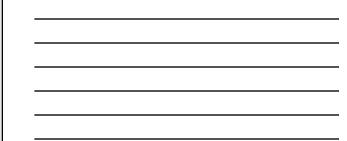




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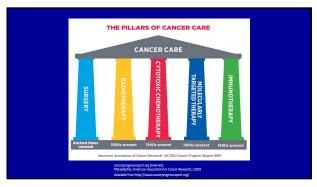






Ves should try our best to increase our exposure to carcinogens?

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Please visit the following YouTube video for this portion of the presentation:

https://www.youtube.com/watch?v=ISJm8Z2nV5Y&t=160s

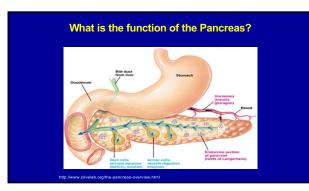


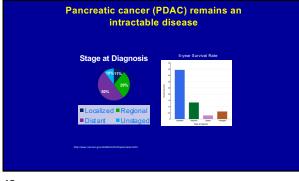
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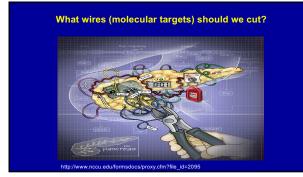
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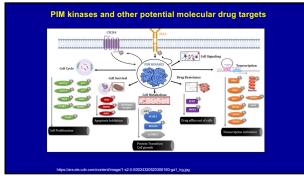
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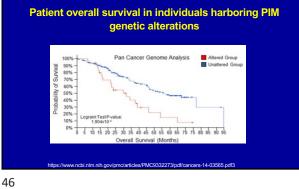




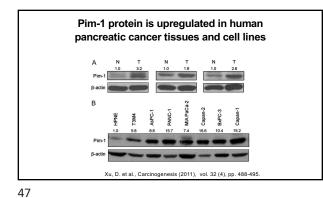




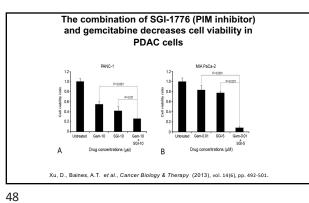














Pancreatic cancer is not only lethal, but a health disparity

- The incidence of pancreatic cancer is **50-90%** higher in African-Americans than in any other ethnic group in the U.S.
- African-Americans have the poorest prognosis of any ethnic group in the U.S.
- African-Americans are less likely to receive surgery than any other ethnic group in the U.S.

http://pathology.jhu.edu/pc/PartAfAm.php?area=pa

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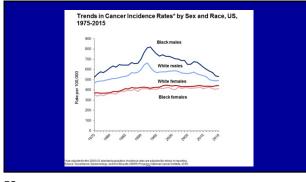
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What is the Definition of a Cancer Health Disparity?

The National Cancer Institute (NCI) defines "cancer health disparities" as adverse differences in cancer incidence (new cases), cancer prevalence (all existing cases), cancer death (mortality), cancer survivorship, and burden of cancer or related health conditions that exist among specific population groups in the United States.





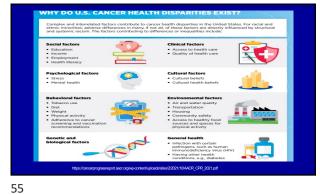
What is the Definition of Health Equity?

The Human and Health Services Office of Minority Health states that "Health equity is attainment of the highest level of health for all *people*. Achieving health equity *requires valuing everyone equally* with focused and ongoing societal efforts to address avoidable inequalities, historical and contemporary injustices, and the elimination of health and healthcare disparities".

https://www.cancer.gov/about-nci/organization/crchd/about-health-disparities/definitions

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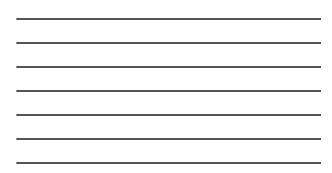


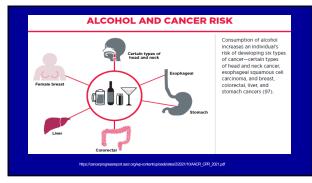
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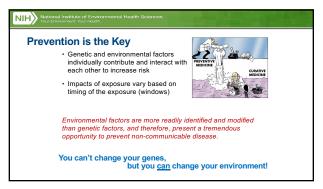
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Special Thanks

- The UNC Lineberger Comprehensive Cancer Center (LCCC)
- UNC Cancer Network
- Dr. Bernard (Buddy) Weissmann UNC LCCC
- NCCU and UNC-CH and NC A&T lecture series
 planning committee



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Exploring Cancer Examining the Role of Biology, Race, Class, and Socioeconomics

Thank you for participating!

You may now return to the UNCLCN Learning Portal to complete a course evaluation and claim your certificate.

For any technical issues or questions, contact us at Email: unclcn@unc.edu Call: (919) 445–1000

Exploring Cancer Examining the Role of Biology, Race, Class, and Socioeconomics

Exploring Cancer is a webinar series taught by cancer biologists, physicians, public health experts, and other cancer specialists from NCCU, UNC-Chapel Hill, and NC A&T.

We hope to see you next time!

UNC Lineberger Cancer Network