

Molecular mechanisms of cancer susceptibility By

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(Meeting ID: 991 5160 0283, Passcode: 590509)

Abstract

Many cancers have well known environmental risk factors such as tobacco smoking for lung cancer and UV exposure for melanoma. However, cancers also have a genetic component, where combinations of multiple genetic variants of varying degrees of impact collectively increase the risk for cancer. This talk will briefly introduce concepts of cancer heritability and strategies and tools to discover cancer susceptibility genes and variants focusing on genome-wide association studies and subsequent functional follow-up studies. The speaker will share two stories of uncovering new susceptibility genes and how these strategies could extend to lung cancer.

Biography



Jiyeon Choi received her M.S. from Korea University in Seoul, Korea and her Ph.D. in cell and developmental biology from Rutgers University in New Jersey. In 2011, Dr. Choi joined NCI as a postdoctoral fellow in the Laboratory of Translational Genomics; she was promoted to research fellow in 2016. In 2019, Dr. Choi was appointed as an Earl Stadtman Investigator and selected for the [NIH Distinguished Scholars Program](#).

Dr. Choi has received numerous awards for her work, including the NCI Director's Intramural Innovation Award and the DCEG Outstanding Research Paper by a Fellow <https://dceg.cancer.gov/about/staff-directory/choi-jiyeon>

You can join by clicking the above link 10 minutes prior to the seminar. Please download ZOOM and complete the installation beforehand (<https://zoom.us/download>), and set up your camera and microphone if you wish to participate in the Q&A session after the presentation.

ALL ARE WELCOME

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