

The 14th NCC International Symposium

국립암센터
NATIONAL CANCER CENTER

AI and Big data in Cancer: from Knowledge to Action

15 June, 2022, 09:00~17:30
International Conference Hall,
National Cancer Center (On/Off-line Hybrid)

Session 1 : Healthcare big data in Korea (09:20~10:50)

The national project of bio big data: The gateway to precision medicine

Hyun-Young PARK (Director, Korea National Institute of Health, Korea)

Building foundation of AI: The open AI dataset project

Yoon-Seok KO (Vice President, National Information Society Agency, Korea)

Cancer big data: Challenges and opportunities

Kui Son CHOI (Professor, National Cancer Center, Korea)

Medical data driven hospital and cancer big data

Youngsik BANG (Director, Ministry of Health and Welfare, Korea)



Hyun-Young PARK



Yoon-Seok KO



Kui Son CHOI



Youngsik BANG

Keynote lectures (11:00~12:20)



"The All of Us" Research program

Paul Alan HARRIS
(Professor, Vanderbilt University Medical Center,
USA)



NCI Cancer Research Data Commons

Erika KIM
(Biomedical Informatics Program Officer,
National Cancer Institute, USA)

Special lecture (13:20~14:00)



**Accelerating innovation in cancer research using
AWS cloud**

Swaine CHEN
(Amazon Scholar, Singapore)

Session 4 : AI in cancer research (14:10~15:40)

The AI revolution in pathology: Present and future

Chen SAGIV (Co CEO, DeePathology Ltd., Israel)

**Data-driven computational approaches for identifying novel therapeutic
targets and drug repositioning**

Namshik HAN (Head of AI Research, Associate Faculty, University of Cambridge, UK)

AI study using cancer multi-omics big data

Dongwan HONG (Professor, Catholic University, Korea)

Neural bootstrapper

Sungbin LIM (Professor, Ulsan National Institute of Science and Technology, Korea)



Chen SAGIV



Namshik HAN



Dongwan HONG



Sungbin LIM

Session 5 : Clinical application of AI technology (15:50~17:20)

Digital healthcare 2022

Koon Ho RHA (Director, NAVER corporation, Korea)

Understanding immune microenvironments of human cancers

Woong-Yang PARK (Professor, Samsung Medical Center, Korea)

Development of AI software and robot system

KwangGi Kim (Professor, Gachon University, Korea)

Future directions of artificial intelligence in hospital

Yul HWANGBO (Chief of Cancer Big Data & AI Research Branch, National Cancer Center, Korea)



Koon Ho RHA



Woong-Yang PARK



KwangGi Kim



Yul HWANGBO