

# **2nd RAON School of Bio-Medical Research**

**Tuesday, 30 November 2021 - Tuesday, 30 November 2021**

## **Scientific Programme**

## **2nd RAON School of Bio-Medical Research**

\*Time: Nov 30, 2021.

\*Place: On line

Organized by RAON User Liaison Center  
Supported by RAON Users Association

-13:00-13:10  
Opening Remark  
Prof. Woo-Yoon Park  
(Chungbuk National Univ, Korea)

### **Session I**

Chair: Prof. Hyun-Tai Chung (Seoul National Univ., Korea)  
Prof. Ki Hwan Kim (Chungnam National Univ. Hosp, Korea)

-13:10-13:45  
Applied nuclear physics at new particle accelerators

Prof. Marco Durante  
(GSI, Germany)

-13:45-14:20  
Current status and future of CNAO  
Dr. Sandro Rossi  
(CNAO, Italy)

-14:20-14:40  
LET and RBE modeling of Therapeutic Proton Beam  
Dr. Se Byeong Lee  
(NCC, Korea)

-14:40-15:00  
Physics and medical application of ion beam stimulation therapy  
Prof. Jong-Ki Kim  
(Daegu Catholic Univ.)

### **Session II**

Chair: Prof. Woo-Yoon Park (Chungbuk National Univ,)

Prof. Eun Ho Kim (Daegu Catholic Univ, Korea)

-15:10-15:45

The role of radiation-induced senescence in the normal tissue damage and its mitigating strategy

Prof. Jae Ho Kim

(Henry Ford Hospital, USA)

-15:45-16:20

Biology of High-Dose Hypofractionated Radiotherapy (SBRT/SRS,FLASH, GRID)

Prof. Chang Won Song

(Univ Minnesota, USA)

16:20-16:55

Potential of Heavy ion therapy as a combination with immunotherapy

Dr. Takashi Shimokawa (NIRS, Japan)

-16:55-17:30

Cancer Stem Cell Research in Carbon Ion Radiation Therapy

Dr. Sei Sai

(NIRS, Japan)

-17:30-17:40

Closing Remark

Prof. Woo-Yoon Park

(Chungbuk National Univ,)