

Program of Hokkaido Summer Institute 2018 - Radiation Biology School -

As of July 23, 2018

Wednesday, August 1					
Chapter	Time		Title	Lecturer	Place
1	1:00 PM	2:30 PM	Overview in quantum biology	Prof. Hiroki Shirato	Room 205 3rd Floor
			- 15 minutes break -		
2	2:45 PM	4:15 PM	Cancer molecular biology and radiation	Dr. Jin-Min Nam	
			- 15 minutes break -		
3	4:30 PM	6:00 PM	Obtain biomedical knowledge about radiation effect on molecules and cells based on cancer molecular biology and its measurement	Dr. Jin-Min Nam Dr. Chi-Che Hsieh	

Thursday, August 2					
Chapter	Time		Title	Lecturer	Place
4	8:45 AM	10:15 AM	Advanced radiation biology and new insights about chemical effect of radiation and control of cancer	Prof. Osamu Inanami	Room 205
			- 15 minutes break -		
5	10:30 AM	12:00 PM	Promising methods for radiotherapy using molecular imaging and radioisotopes	Assoc. Prof. Hironobu Yasui	
			- 60 minutes break -		
6	1:00 PM	2:30 PM	Practice in lab (Practical Training 1)	Dr. Jin-Min Nam	Lab-101 4th Floor
			- 15 minutes break -		
7	2:45 PM	4:15 PM	Practice in lab (Practical Training 2)	Dr. Jin-Min Nam Dr. Chi-Che Hsieh	
			- 15 minutes break -		
8	4:30 PM	6:00 PM	Induction of DNA double strand breaks by radiation treatment and immunofluorescent foci assay	Dr. Jin-Min Nam Dr. Ping Hsiu Wu	

Friday, August 3					
Chapter	Time		Title	Lecturer	Place
9	8:45 AM	10:15 AM	Translational Research and Radiation Biology	Dr. Yutaka Takahashi Dr. Kazumasa Minami	Room 205
			- 15 minutes break -		
10	10:30 AM	12:00 PM	Obtain knowledge about translational research and understand radioresistance of hypoxic cells	Prof. Hiroshi Harada	
			- 60 minutes break -		
11	1:00 PM	2:30 PM	Practice in lab (Practical Training 3)	Dr. Jin-Min Nam	Lab-101
			- 15 minutes break -		
12	2:45 PM	4:15 PM	Observation and quantification of γ H2AX foci in response to radiation	Dr. Jin-Min Nam Dr. Ping Hsiu Wu	
			- 15 minutes break -		
13	4:30 PM	6:00 PM	Faculty Tour of Proton Site	Dr. Shusuke Hirayama Dr. Ping Hsiu Wu	PBT 1F
			- 15 minutes break -		
14	6:15 PM	7:45 PM	Summary and Presentation from Students	Dr. Koichi Yasuda Dr. Jin-Min Nam	PBT 3F

Monday, August 6					
Chapter	Time		Title	Lecturer	Place
15	8:45 AM	10:15 AM	Radiation Biology Applied to Clinical Practice	Prof. Amato Giaccia	Room 205
			- 15 minutes break -		
16	10:30 AM	12:00 PM	Recent Topics	Prof. Qyunh-Thu Le	
	6:30 PM	8:00 PM	Reception jointly with participants of Medical Physics		Restaurant Elm

Venues: Graduate School of Medicine, Central Bldg.
Institute for Animal Experimentation
Proton Beam Therapy Center (PBT)