

Venue: conference room at Oriental Hotel Hiroshima (<http://www.oriental-hiroshima.com>).

Visit peace memorial museum will take place on Wednesday, 12 June 2013 at 15:00-17:00.

Laboratory exercise on Thursday, 13 June 2013 will take place in Hiroshima University.



Laboratory exercise on Friday, 14 June 2013 will take place in RERF.

Objective: to develop the ability of biodosimetry labs to use mature and novel techniques in biological dosimetry for the estimation of radiation doses received by individuals and populations.

Learning outcomes, at the completion of the teaching symposium, the participants will be able to:

- Discuss standard classic techniques in biodosimetry;
- Apply currently accepted techniques for dose estimation;
- Compare advantages and weaknesses of standard techniques;
- Evaluate novel techniques in terms of accuracy and timeliness.

MONDAY 10		
08:30 – 09:00	Registration	
09:00 – 09:30	Toshiteru Okubo (HICARE)	Welcome remarks HICARE
09:30 – 10:00	Oleg Belyakov (IAEA)	Welcome remarks IAEA
10:00 – 10:30	Tea break	
10:30 – 11:00	Oleg Belyakov (IAEA)	Radiobiological basics of biodosimetry
11:00 – 11:30		
11:30 – 12:00	Discussion/Questions and photo session	
12:00 – 13:00	Lunch break	
13:00 – 13:30	William Blakely (AFRRI/USU)	Biodosimetry recording and assessment tools
13:30 – 14:00		
14:00 – 14:30	Yumiko Suto (NIRS)	Dicentrals analysis: from beginning to advanced
14:30 – 15:00		
15:00 – 15:30	Tea break	
15:30 – 16:00	Satoshi Tashiro (Hiroshima university)	FISH and PNA-FISH
16:00 – 16:30		
16:30 – 17:00	Discussion/Questions	
17:30 – 19:00	Reception	


	<p>BIODOSIMETRY IN THE 21st CENTURY</p> <p>Training Meeting</p> <p>HICARE in collaboration with the International Atomic Energy Agency</p> <p>Hiroshima, Japan, June 10-14, 2013.</p>	
---	--	---

TUESDAY 11

09:00 – 09:30	Mitsuaki Yoshida (Hirosaki university)	Premature chromosome condensation (PCC) analysis
09:30 – 10:00		
10:00 – 10:30	Tea break	
10:30 – 11:00	Tomisato Miura (Hirosaki university)	The cytokinesis-block micronucleus (CBMN) assay
11:00 – 11:30		
11:30 – 12:00	Discussion/Questions	
12:00 – 13:00	Lunch break	
13:00 – 13:30	Kimio Tanaka (IES)	Low dose and low dose rate effect
13:30 – 14:00		
14:00 – 14:30	Yoshiaki Kodama (RERF)	EPR-dosimetry, harmonisation of techniques
14:30 – 15:00		
15:00 – 15:30	Tea break	
15:30 – 16:00	Koichi Tanigawa (Hiroshima university)	Mass causality events / Nuclear reactor accidents
16:00 – 16:30		
16:30 – 17:00	Discussion/Questions	

WEDNESDAY 12

09:00 – 09:30	William Blakely (AFRRI/USU)	Biodosimetry validation studies using large animal radiation models
09:30 – 10:00		
10:00 – 10:30	Tea break	
10:30 – 11:00	Kotaro Ozasa (RERF)	Epidemiological study on A-bomb survivors
11:00 – 11:30		
11:30 – 12:00	Discussion/Questions	
12:00 – 13:00	Lunch break	
13:00 – 13:30	Oleg Belyakov (IAEA)	Review of biodosimetry in Chernobyl liquidators
13:30 – 14:00		
14:00 – 14:30	Kazuo Sakai (NIRS)	Fukushima experience
14:30 – 15:00		
15:00 – 15:30	Tea break	
15:30 – 16:00	Visit peace memorial museum	
16:00 – 16:30		
16:30 – 17:00		

		<p>BIODOSIMETRY IN THE 21st CENTURY</p> <p>Training Meeting</p> <p>HICARE in collaboration with the International Atomic Energy Agency</p> <p>Hiroshima, Japan, June 10-14, 2013.</p>			
THURSDAY 13					
RESEARCH REPORTS BY IAEA NETWORK CENTRES (IAEA CRP E3.50.08)					
09:00 – 09:30	Oleg Belyakov	IAEA	Introduction to IAEA CRP E3.50.08		
09:30 – 10:00	Rajeshwar Sharan	India	Induction kinetics of biodosimetry techniques in ethnic population groups of North-East India		
10:00 – 10:30	Tea break				
10:30 – 11:00	Yanti Lusiyanti	Indonesia	Establishment of standard calibration curves for biological dosimetry		
11:00 – 11:30	Mohd Rodzi Ali	Malaysia	Development of calibration curves using PCC and micronuclei assays		
11:30 – 12:00	Celia Asaad	Philippines	Enhancing biodosimetry capabilities in the Philippines for nuclear incident preparedness		
12:00 – 13:00	Lunch break				
13:00 – 13:30	Chang-Mo Kang	R. O. Korea	Monitoring of individuals following acute and chronic exposure to ionizing radiation		
13:30 – 14:00	Prakash Hande	Singapore	Cytogenetic biomarkers of ionizing radiation exposure: a multiparametric approach		
14:00 – 14:30	Wanwisa Sudprasert	Thailand	Preparedness for radiological emergencies in Thailand		
14:30 – 15:00	Que Tran	Vietnam	Strengthening biodosimetry techniques at the Dalat Nuclear Research Institute		
15:00 - 15:30	Discussion/Questions				
15:30 – 16:00	Hiroshima University		Laboratory exercise		
16:00 – 16:30					
16:30 – 17:00					
FRIDAY 14					
09:00 – 09:30	William Blakely (AFRRI/USU)		Multiparameter biological assays for biodosimetry, part 1		
09:30 – 10:00					
10:00 – 10:30	Tea break				
10:30 – 11:00	William Blakely (AFRRI/USU)		Multiparameter biological assays for biodosimetry, part 2		
11:00 – 11:30					
11:30 – 12:00	Discussion/Questions				
12:00 – 13:00	Lunch break				
13:00 – 13:30	RERF		Laboratory exercise		
13:30 – 14:00					
14:00 – 14:30					
14:30 – 15:00	IAEA		Evaluation		
15:00 – 15:30	Tea break				
15:30 – 16:00	Closing remarks				