

**Hong Kong Institution of Physicists in Medicine**  
**Training Course on Basics Radiobiology**

**Course Content**

- General principles of radiobiology, cell survival curves & assays for cell survival and radiation damage
- Cell culture & mouse models in radiobiology studies, radiation damage, cell repair & 5R in Radiobiology.
- Physical factors affecting cell survival, fractionation and linear quadratic models & BED.
- Oxygen effects, hypoxia and biological modifiers.
- Biological dosimetry techniques & factors affecting therapeutic ratio and hyperthermia.
- Tumor kinetics & general radiobiological effects in whole tissues & organs.

**Date, Time and Venue:**

**The course will be held on:**

Date	Time
08 Oct 2016	3:00pm-6:00pm
15 Oct 2016	3:00pm-6:00pm
22 Oct 2016	3:00pm-6:00pm
05 Nov 2016	3:00pm-6:00pm
12 Nov 2016	3:00pm-6:00pm
19 Nov 2016	3:00pm-6:00pm

**Duration of course:**

18 hours lectures, Q&A

**Venue:**

To be confirmed

**Speaker**

Dr. Timothy Yip, Ph.D.  
Scientific Officer (Medical)  
Radiation Oncology Department  
Queen Elizabeth Hospital  
Kowloon.

**Target participants:**

Physicists, doctors, radiographers, radiation therapist, biomedical engineers.  
Preference will be given to applicants who are currently working with imaging and radiation therapy in hospital environment.

**Assessment:**

To be confirmed.

**Accreditation:**

This course has been approved by the Hong Kong Institution of Physicists in Medicine.

**Teaching Medium**

The course will be conducted in English

**Tuition Fee:**

Nil

**Enrollment:**

This course is open to HKIPM members only.

Completed registration form shall be sent to Mr. Tony Kong, Member of Education Committee of the Hong Kong Institution of Physicist in Medicine at the address give below:

Mr. Tony Kong  
Medical Physics & Research Department  
8/F, Li Shu Fan Block  
Hong Kong Sanatorium & Hospital  
2 Village Road  
Happy Valley  
Hong Kong Island.

**Closing Date for Application:**  
Monday 03 Oct 2016