

## REGISTRATION FORM

### Radiation Protection Training Course 10 - 14 May 2010

Send form to: RPTC Secretary, Physics Department  
The Royal Marsden Hospital, Fulham Road, London SW3 6JJ

Please complete the form LEGIBLY & with care as these details will be used for your certificate and you may be contacted via e-mail or telephone

|                   |  |
|-------------------|--|
| Mr, Mrs, Ms, Miss |  |
| First name        |  |
| Surname           |  |
| Position          |  |
| Address           |  |
|                   |  |
|                   |  |
|                   |  |
|                   |  |
| Postcode          |  |
| Telephone         |  |
| E-mail            |  |

Course fee: £600 received before 2nd April 2010  
£700 received after 2nd April 2010

I enclose a cheque\* for £ \_\_\_\_\_ payable to

Institute of Cancer Research

\*If you are applying after 2nd April please check availability of places before sending this form and a cheque (RPTC Secretary 020 7808 2505)

Please send me accommodation details

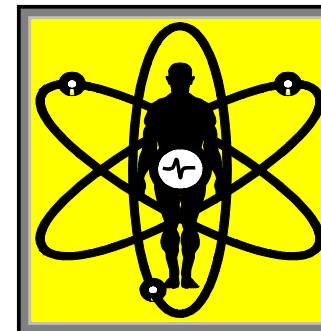
17th Annual

## RADIATION PROTECTION TRAINING COURSE

### 10 - 14 May 2010

BASIC UNDERPINNING KNOWLEDGE  
FOR RADIATION PROTECTION ADVISERS

IPEM CPD Accredited



  
The Royal Marsden  
NHS Foundation Trust

 **The Institute**  
of Cancer Research

  
King's College Hospital  
NHS Trust

The Joint Department of Physics  
The Royal Marsden NHS Foundation Trust & The Institute of Cancer Research  
in association with the  
Department of Medical Engineering & Physics  
King's College Hospital NHS Trust

For further information contact:

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jim.thurston@rmh.nhs.uk

RPTC Secretary  
+44 (0)20 7808 2505

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## COURSE CONTENT

The course provides the theoretical background and training necessary for the radiological protection requirements of both ionising and non-ionising radiations used in hospitals.

The single week module covers the following subject areas: radiation risks, dosimetry, biological effects, instrumentation, legislation, transport, emergencies and safe practice in the medical uses of ionising and non-ionising radiations. As well as lectures, there will be small, informal workshop sessions which will provide for a range of interests.

The course is at a level suitable for hospital physicists working in the field of radiation protection or those who want to expand their knowledge in this field. It is particularly suitable for those who wish to become Radiation Protection Advisors and covers the Basic Underpinning Knowledge (Basic Syllabus) as set out in Annex 3 of the HSE statement on Radiation Protection Advisors.

A comprehensive course booklet, power-point presentations on USB and a certificate of attendance are provided.

The course is accredited for IPEM CPDs.

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## COST

The course fee is £600 for applications received before 2nd April 2010, £700 if application form is received after 2nd April 2010. Payment by cheque only. The cost includes lunches, light refreshments, buffet lunch, course dinner and the course materials.

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## DELEGATES

The number of participants is limited to provide a friendly open forum for debate and to help in running the workshops.

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## VENUE

The course will be given at Education & Conference Centre, The Royal Marsden Hospital, Stewart's Grove (off Fulham Road), London SW3 6JJ.

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## ACCOMMODATION

Accommodation is available in nearby hotels, B&Bs and private houses. Details will be supplied on registration.

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## ORGANISATION

Mr Jim Thurston  
Royal Marsden NHS Trust (RMT)

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## Lecturers include

|                   |       |                 |       |
|-------------------|-------|-----------------|-------|
| Miss M Bidmead    | (RMT) | Dr I Rivens     | (ICR) |
| Dr I A Castellano | (RMT) | Dr M Schmidt    | (ICR) |
| Mrs B Pratt       | (RMT) | Mr J Warrington | (RMT) |
| Dr C A Lewis      | (KCH) | Mr J Thurston   | (RMT) |

## Overview of course content

| Day 1  | Day 2  |
|--|--|
| <b>Review &amp; the Effects of Radiation</b> | <b>Statutory Requirements</b>                |
| Historical review                            | Framework                                    |
| Protection Agencies                          | IR(ME)R                                      |
| Interaction and Units                        | IRR 1999                                     |
| Sources of IR Exposure                       | RPA Certification                            |
| Instrumentation                              | RSA / HASS                                   |
| Risk and Effects                             | Transport requirements                       |
| Day 3  | Day 4  |
| <b>Radiation Protection in Hospitals</b>     | <b>External influences &amp; Emergencies</b> |
| Diagnostic Radiology                         | COREC and ethics                             |
| Patient doses and DRLs                       | Emergencies                                  |
| Protection of progeny                        | NAIR / Accidents                             |
| Brachytherapy                                | PET & Cyclotrons                             |
| Unsealed sources                             | Guest Lecturer                               |
| Beam radiotherapy                            | Optional assessment                          |
| Day 5  | Days 1-4                                     |
| <b>Non-Ionising Radiation Protection</b>     | <b>Workshops (from the following)</b>        |
| Ultra-violet                                 | Role-Play                                    |
| Ultrasound                                   | Risk Assessments                             |
| MRI & Spectroscopy                           | Auditing                                     |
| Microwave & RF                               | The Unexpected                               |
| LASERS                                       | Research ethics applications                 |

The organisers may need to alter the final programme to fulfil practical commitments