



## International Atomic Energy Agency

### P R O S P E C T U S

Regional Training Course on the Role of Molecular Imaging and Therapeutic Nuclear Medicine Techniques in the Management and Treatment of Relevant Non-Communicable Diseases in Adult and Paediatric Patients

- Project Number and Title:** RAS6074 Improving Quality of Life of Cancer Patients through Streamlined and Emerging Therapeutic Nuclear Medicine Techniques
- Place:** Seoul, Korea  
**Date:** 29 August - 09 September 2016
- Deadline for nominations:** 15 June 2016
- Organizers:** The International Atomic Energy Agency in cooperation with Chonnam National University Hospital
- Local Organizer:**
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- Language:** The language of instruction will be English.
- Participation:** The training course is open to 20-25 participants from Member States participating in the project RAS 6074. Each Member State may submit up to two nominations.
- Purpose of the course:** The purpose of the course is to train nuclear medicine physicians on therapeutic nuclear medicine and its applications in bone pain palliation and radiation synovectomy, treatment of lymphomas and neuroendocrine tumours GI and liver cancer, thyroid conditions including paediatric oncology conditions.

The scientific programme will be covered in two weeks:

- The first week is dedicated to explore the different general and hybrid imaging modalities employed in the diagnosis, staging and management of relevant oncologic conditions.
- The second week will further discuss relevant treatment options employing nuclear medicine techniques in appropriate oncologic conditions.
- Participants will acquire skills and competences through this course which will enable them to enhance this practice to improve the quality of life of cancer patients and patients with relevant conditions.

**Participants' qualifications and experience:**

The nominees should be **qualified Nuclear Medicine physicians**, with background in therapeutic nuclear medicine applications.

As the training course will be conducted in English, participants should have sufficient proficiency to follow lectures and express themselves in this language without difficulty.

**Nature of the course:**

The training course covers the fundamental principles and application of molecular imaging (SPECT/CT and PET/CT) for the accurate diagnosis in Non-communicable diseases (cancer, mainly) and therapeutic Nuclear Medicine. Nuclear Medicine Techniques The lectures will provide basic and advanced theoretical knowledge in the improvement of the diagnosis and treatment of cancers, including NETs.

The experts will discuss the clinical utility and relative value with emphasis on the protocols to be used in the above conditions will be one of the core learning points of this training course.

Course format: Lectures and Interactive discussion sessions covering approaches in therapeutic nuclear medicine from streamlined and emerging approaches. These lectures should provide theoretical grounding in the improvement of therapeutic Nuclear medicine Services to achieve the following:

- a) Comprehensive knowledge of Epidemiology, Causes, risk factors, clinical manifestations/symptoms of some types of cancers including Neuro Endocrine Tumours.
- b) The role of nuclear medicine in diagnosis and treatment of relevant oncologic conditions.
- c) Review the different established and emerging imaging and therapeutic nuclear medicine protocols and nuclear techniques in the evaluation and management of cancer.
- d) Establishing protocols for preparation and quality control of various therapeutic radiopharmaceuticals and radiation safety.

**Application procedure:**

Nominations (**including those of local participants**) for training course should be submitted to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Should this not be possible, nominations may be submitted on the standard IAEA Nomination Form for training courses, (available on the IAEA website: <http://www.iaea.org/>). Completed forms should be endorsed by relevant national authorities and returned to the Agency through official channels, i.e. the office of the National Representative.

The completed nomination forms should be sent to the Programme Management Officer for this project, **Mr. Abdulghani Shkhashiro** through IAEA Official Fax (+43-1-26007) or E-Mail ([Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), not later than **15 June 2016. Nominations received after this date or which have not been routed through the established official channels cannot be considered.**

The applications should contain sufficient information to establish the nominees have the required qualifications. The nominated candidate may not be selected if sufficient information is not provided.

Advanced nominations through facsimile (+43-1-2600-7), or e-mail

(Official@iaea.org) are welcomed. The facsimile / e-mail should contain the following basic information about the candidate: name, date of birth, academic qualifications, and current position including the exact nature of the duties carried out, proficiency in English and full contact address including telephone/email/facsimile numbers.

**Additional requirements:**

In order to fulfill UN security requirements, all nominations must be accompanied by a separate certificate of the candidate's satisfactory completion of the UN 'Basic Security in the Field' course. This interactive course is available on CD-ROM and can be taken at the office of the National Liaison Officer of the nominating Member State. Once the candidate has completed the course and passed the accompanying exam, a certificate will be generated automatically and must be printed for submission to the IAEA. No travel to the training course will be authorized before receipt of the certificate. A copy of the certificate should be kept by the candidate for his/her records, as the same certificate is valid for any UN-related travel for a period of three years. Kindly contact us if there is any difficulty in accessing the course or any problems related to this course are encountered.

**Administrative and financial arrangements:**

Nominating Governments will be informed in due course of the names of the selected candidates and will at that time be given full details on the procedures to be followed with regard to administrative and financial matters.

During their attendance at the course, participants from countries eligible to receive technical assistance will be provided by the IAEA with a stipend sufficient to cover the cost of their accommodation, food, and minor incidental expenses. The IAEA will also provide the participants with a round-trip air ticket, economy/excursion class, from their home countries to **Gwangju**, Korea, Republic of, and return. Shipment of accumulated course materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the course do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.