



Regional Training Course on Theranostic Approaches and Neurological Disorders in Non-Communicable Diseases Management

Hosted by

Government of the Republic of Türkiye

through the

Ankara Bilkent City Hospital

Ankara, Türkiye

2 November to 5 November 2026

Ref. No.: TN-RER6044-EVT2603981

Information Sheet

Purpose

The purpose of the event is to train the participants in theranostics as well as neurological disorders imaging for non-communicable disease management in the Europe and Central Asia region. The course focuses on the principles and clinical implementation of targeted radiopharmaceuticals, including beta- and alpha-emitting therapeutic agents, as well as advanced molecular imaging techniques for neurodegenerative diseases. The RTC aims to support accurate diagnosis, personalized treatment planning, and the effective integration of theranostic approaches into clinical practice across participating Member States.

Working Language(s)

The working language(s) of the event will be English.

Deadline for Nominations

Nominations received after **11 September 2026** will not be considered.

Project Background

Non-communicable diseases (NCDs), including cancer, are among the leading causes of death globally. These diseases, along with infections and communicable diseases, are the leading causes of death worldwide. Nuclear medicine, molecular imaging and molecular radionuclide therapy are well established tools for addressing NCDs by providing innovative approaches for non-invasive detection of molecular and cellular processes. These techniques allow for the identification of diseases at earlier stages, even before they present with gross anatomical or physiological symptoms. Recent advancements in nuclear medicine, including theragnostics, have significantly improved diagnostic and therapeutic capabilities. By combining diagnostic imaging techniques like positron emission tomography (PET) with targeted radionuclide therapy, personalized treatment approaches are becoming increasingly feasible, promising significant medical and societal benefits.

Scope and Nature

Format: The regional training course will offer a mixture of theoretical presentations, interactive discussion sessions, and case studies. The course will cover the principles of hybrid imaging (PET/CT and PET/MRI), radiopharmacy, new tracers in clinical use, imaging protocols, data interpretation, radiopharmaceutical therapies, and clinical applications in oncology and neurology. It will also address quality control of imaging, appropriate use criteria, and the integration of these techniques into clinical practice.

- Combines theoretical and practical learning.
- Includes presentations and teaching lessons from international experts.
- Features interactive case discussions.
- Offers hands-on sessions divided in nuclear medicine imaging, radiopharmaceutical therapies and radiopharmacy.

It is expected that the training course will have the following outputs:

- Nuclear medicine professionals trained in theragnostics and molecular imaging including dementia, for NCD management.
- Harmonized theranostic and molecular imaging protocols implemented in participating institutions.
- Institutional capacity strengthened for safe clinical application of beta- and alpha-emitting radiopharmaceuticals.
- Regional professional network established to support sustained collaboration and knowledge exchange.

Participants' Qualifications and Experience

Candidates must be nuclear medicine physicians or radiologists with experience in hybrid imaging with PET-CT and/or SPECT-CT, as well as radiopharmaceutical therapies, and currently working in a nuclear medicine department with involvement in the field at a national scale. No radio-oncologists, medical oncologists, imaging technologists nor medical physicists will be accepted.

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

Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
 - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
 - b. Download and complete the [Designation of Beneficiary and Emergency Contact Form](#), and upload to InTouch+ ('Profile' tab under the personal section) specifying the document name. If already provided, kindly discard this step; and
 - c. Search for the relevant technical cooperation event (EVT2601577) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

For additional support on how to apply for an event, please refer to the [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to InTouchPlus.Contact-Point@iaea.org.

Should online application submission not be possible, candidates may download the nomination form for the training course from the [IAEA website](#).

Administrative and Financial Arrangements

Nominating authorities will be informed in due course of the names of the candidates who have been selected and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency AX Travel Management, or a travel allowance, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

NOTE: A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration

Disclaimer of Liability

The organizers of the event 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 approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

Note for female participants

Any woman engaged by the IAEA for work or training should notify the IAEA that she is pregnant

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

IAEA Contacts

Programme Management Officer (responsible for substantive matters):

Ms Sibel Unlu
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100, 1400 VIENNA, AUSTRIA
Tel.: +43 1 2600 25981
Email: S.Unlu@iaea.org

Technical Officer (responsible for technical matters):

Mr Enrique Estrada-Lobato
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
Vienna International Centre
PO Box 100, 1400 VIENNA , AUSTRIA
T: +43-1 2600-21678
Email: E.Estrada-Lobato@iaea.org

Administrative Contact (responsible for administrative matters):

Mr Andis Lagzdins
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100, 1400 VIENNA, AUSTRIA
Tel.: +43 1 2600 25804
Email: A.Lagzdins@iaea.org