



International Atomic Energy Agency
Department of Technical Cooperation

**IAEA-WCI-KAERI e-learning course on
Diagnostic and therapeutic radioisotopes and radiopharmaceuticals application with
foundational-level regulation**

Information Sheet

Ref. No.: ME-RAS0089-2403501

- Title:** E-learning course on diagnostic and therapeutic radioisotopes and radiopharmaceuticals application with foundational-level regulation
- Host Institutes:** Korea Atomic Energy Research Institute (KAERI) in cooperation with the World Council on Isotopes (WCI)
- Date:** 2– 13 September 2024
- Deadline for Nominations:** 19 July 2024
- Organizers:** The Korea Atomic Energy Research Institute (KAERI) and World Council on Isotopes (WCI) in cooperation with the International Atomic Energy Agency (IAEA)
- IAEA Programme Management Officer:** Mr. Gashaw Gebeyehu WOLDE | Head
Asia and the Pacific Section
Division for Asia and the Pacific
Department of Technical Cooperation
Tel: +43-1-2600-26001
E-Mail: G.G.Wolde@iaea.org
- IAEA Technical Officer:** Ms. Celina Ines HORAK | Head
Radiochemistry and Radiation Technology Section
Division of Physical and Chemical Sciences
Department of Nuclear Sciences and Applications
Tel: +43-1-2600-21744
E-Mail: C.Horak@iaea.org
- Local Course Director:** Mr. Hyeon-Jin KIM | Senior Researcher
Nuclear Training & Education Center

Korea Atomic Energy Research Institute (KAERI)
Tel: +82-42-868-2667
E-mail: Hj_kim@kaeri.re.kr

Mr. Chung Taek PARK | Secretariat
World Council on Isotopes (WCI)
Tel: +82-2-3490-7150
E-mail: Secretary@wci-ici.org

Language:	English
Objective:	The objective of this e-learning course is to transfer the crucial knowledge and practical skills to the managerial or directorial level public officials in the participating target countries with the aim to support long term strategies for strengthening capacities, as well as policies for intermediate-level regulations in the diagnostic and therapeutic radioisotope and radiopharmaceutical applications field.
Scope and Nature:	The e-learning course will take place over 2 weeks, including a kick-off meeting, closing meeting, lectures, Q&A, and assignments. The lectures will cover the following: <ul style="list-style-type: none">• Module 1: Policy and regulation• Module 2: Technical area
Trainees' Qualifications and Experience:	The trainees should be qualified or experienced in the following: <ul style="list-style-type: none">• Proficient in English with good listening comprehension and communication skills in order to actively participate in the training course without difficulties.• Employed by the managerial or directorial level public officials in the participating target countries with the aim to support long term strategies for strengthening capacities, as well as policies for foundational-level regulations in the diagnostic and therapeutic radioisotope and radiopharmaceutical applications field.• Possess at least a scientific or technical bachelor's degree
Target Countries:	IAEA Member States
Learning Platform:	Google Classroom (http://classroom.google.com)
Administrator	Mr. Han-Suk KO Principal Researcher Nuclear Training & Education Center Korea Atomic Energy Research Institute (KAERI) Tel: +82-42-868-8247 E-mail: Hsko@kaeri.re.kr Mr. Hyeon-Jin KIM Senior Researcher Nuclear Training & Education Center Korea Atomic Energy Research Institute (KAERI)

Tel: +82-42-868-2667
E-mail: Hj_kim@kaeri.re.kr

Tutor: Mr. Syed Muhammad QAIM | Professor
Forschungszentrum Jülich, Germany
Tel: +492461613282
Fax: +492461612535
E-mail: S.m.qaim@fz-juelich.de

Mr. Clemens DECRISTOFORO | Professor
Department of Nuclear Medicine
Medical University Innsbruck, Austria
Tel: +4351250480951
Fax: +435125046780951
E-mail 1: Clemens.decristoforo@tirol-kliniken.at
E-mail 2: Clemens.decristoforo@i-med.ac.at

Role of Administrator : The role of the administrator is to manage the e-learning course, inspect or check the trainees' learning schedule, and implement the reaction and behaviour evaluations of trainees. The reaction evaluation is closely linked to the degree to which trainees find the training favourable, engaging, and relevant to their jobs. The behaviour evaluation is also closely linked to the degree to which the trainees apply what they learn during the training when they are back on the job.

Role of Tutor: The role of the tutor is to respond to the trainees' questions, promote discussions closely linked to the e-learning course, provide guidance and comments about the trainees' assignment activity in the e-learning course, and implement the trainees' learning evaluations. The learning evaluation is closely linked to the degree to which the trainees acquire the intended knowledge, skills, attitude, confidence, and commitment based on their participation in the training.

Place of Learning: It is strongly recommended that each trainee prepare a place to be absorbed in his/her e-learning in the country (e.g. office, house, etc.). The place should have equipment (e.g., web-camera, headset, software, computer, Internet connection, etc.) necessary to participate in the e-learning course. In addition, the organizers do not provide the trainees with any auxiliary devices (e.g. CD (Compact Disc), USB flash drive, etc.).

Type of Learning: The type of learning is based on e-learning. E-learning is a type of learning that utilizes electronic technologies to access an educational curriculum outside of a traditional classroom. The definition of e-learning is closely linked to courses that are specifically delivered via the Internet to somewhere other than the classroom where the professor is teaching. It is not a course delivered via a DVD or CD-ROM, videotape, or television channel. It is interactive in that the e-learning trainees can also communicate with their tutor or other trainees in their

desired places or in their respective locations. Sometimes the e-learning trainees can “electronically” raise their hand and interact in real time or may listen to a lecture that has been pre-recorded. There is always a tutor interacting/communicating with the e-learning trainees and grading their participation and their assignments.

Procedure of Learning:

The trainees will be provided with the purposes and contents of each subject in consecutive order when the trainees “click” the subject in the e-learning website on the learning platform (i.e., Google Classroom, <http://classroom.google.com>). The course’s purpose and contents help the trainees achieve the purpose of this e-learning course in the diagnostic and therapeutic radioisotopes and radiopharmaceuticals with foundational-level regulation.

Before taking the e-learning course, all trainees should log into the Google Classroom (<http://classroom.google.com>) and register as a “Learner”. After registering, the administrator will permit the trainees’ registration as a “Learner”, and the trainees should check the learning environment to take the e-learning course (e.g. Internet connection, web camera, headset, etc.).

By taking an e-learning course, all trainees can or should participate in the following activities:

- Q&A

The trainees can post their question about the course in a separate section of the Google Classroom. After a question is posted, the tutor will answer the question.

- Assignment

The tutor will upload assignments in a separate section of the Google Classroom before the “Closing Meeting”. The purpose of these assignments is to check the extent of which the trainees understand all contents in this e-learning course. The tutor in this e-learning course will give a grade after the assignment.

- Kick-off and Closing Meeting

The Kick-off and Closing Meeting are similar to an opening ceremony and wrap-up ceremony, respectively, in the classroom training. Before starting this e-learning course, all trainees will be provided time to participate in the opening ceremony and wrap-up ceremony through e-mail.

Criterion of Completion:

Attendance (40%), and assignment (60%)

Working Language(s)

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

Deadline for Nominations

Nominations received after **19 July 2024** will not be considered.

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 (EVT2403501) 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 meeting from the IAEA website.

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.

Administrative and Financial Arrangements

:

Nominated governments will be informed by the IAEA and, at that time, the selected trainees will be given full details of the procedures to be followed with information regarding the administrative and technical arrangements.

The trainees should cover all expenses (e.g., web camera, headset, software, computer, Internet connection, studio rental, etc.) necessary to participate in the e-learning course. In addition, the organizers do not provide the trainees with any auxiliary devices (e.g., CD (Compact Disc), USB flash drive, etc.).

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 on becoming aware 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