



IAEA

Atoms for Peace and Development

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

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National Liaison Officer/National Coordinator

In reply please refer to: **SP-RER6041 - 2400076**

Dial directly to extension: (+43 1) 2600-24667

2024-01-24

Subject: ESMIT: "Quantitative Nuclear Medicine Imaging", Vienna, Austria from 21 to 22 March 2024

Dear National Liaison Officer/National Coordinator,

I am pleased to invite you to send nominations of suitable candidates to participate in the ESMIT: "Quantitative Nuclear Medicine Imaging" within the framework of the IAEA technical cooperation project RER6041, "Enhancing and Harmonizing Nuclear Medicine and Diagnostic Imaging Capabilities".

The purpose of the event is to explore the formation of SPECT/CT and PET/CT imaging, and how, with corrections they can provide us with quantitative imaging biomarkers. Looking at different forms of quantification from kinetic modelling to activity concentration to SUV and will explain how they can be used in a clinical environment. Finally, the course will look at how scanner developments, software developments and Artificial Intelligence is influencing this field.

The attached information sheet provides further details, including technical and administrative aspects of the event. Selection of participants will be in accordance with IAEA procedures. Member States are strongly encouraged to identify women participants.

The IAEA will provide selected participants with a round-trip air ticket based on the most direct and economical route between the airport nearest the participant's residence and Skopje or a travel allowance to purchase an air ticket. Travel details will be agreed with the participants upon receipt of their official nomination. Participants will also receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence, and miscellaneous expenses for the duration of the event in line with IAEA rules and procedures.

We would appreciate receiving your country's nominations by **11 February 2024** through the IAEA's InTouch+ platform (<https://Intouchplus.iaea.org>). Should this not be possible, applicants may download the Nomination Form for the course from the [IAEA's webpage](#). Completed forms must be endorsed by the relevant government authority and may be sent to the IAEA, preferably by email to Official Mail - IAEA Mail address Official.Mail@iaea.org, with copy to Ms Mayumi Yamamoto, M.Yamamoto@iaea.org and Ms Angie Mieses a.mieses-concepcion@iaea.org. Please be advised that late nominations or replacements of participants after the closing date for nominations will not be accepted.

We look forward to receiving your early response.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'M. Yamamoto', is centered on the page.

Mayumi Yamamoto
Programme Management Officer
Division for Europe
Department of Technical Cooperation

Enclosure: Information Sheet



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ESMIT: "Quantitative Nuclear Medicine Imaging"

Supported under the Regional TC Project RER/6/041

"Enhancing and Harmonizing Nuclear Medicine and Diagnostic Imaging Capabilities"

Event Number	SP-RER6041- EVT2400076
Event Title	ESMIT: "Quantitative Nuclear Medicine Imaging"
Location/Date	Vienna, Austria from 21 to 22 March 2024
Nomination Deadline	11 February 2024
Course Information	<p>Nuclear medicine is a quantitative imaging modality. However, its power and its vulnerabilities are not always appreciated. In this course, we will explore the formation of SPECT/CT and PET/CT imaging, and how, with corrections they can provide us with quantitative imaging biomarkers. We will look at different forms of quantification from kinetic modelling to activity concentration to SUV and explain how they can be used in a clinical environment. Finally, we will look at how scanner developments, software developments and Artificial Intelligence is influencing our field. In this course formal lectures will be supplemented with practical sessions and open discussions about Quantification in Nuclear Medicine.</p> <p>LEARNING OBJECTIVES</p> <p>Understand the technical principles, their potential limitations, and the impact on the reading process of SPECT and PET quantification.</p>
Course Director	<p>Ms Sara Iglesias Rivas Head of Educational Events European School of Multimodality Imaging and Therapy (ESMIT)</p> <p>E-Mail: s.iglesias@eanm.org</p>
Selection Criteria	<p>The course is primarily aimed for physicists, technically oriented technologists and nuclear medicine MDs with an already good background in nuclear imaging methods to apply for this course.</p>