

# Job Description for Professional Posts

**Reference:** NA2024/66

<b>Position and Grade:</b>	Associate Nuclear Medicine Physician, P2
<b>Organizational Unit:</b>	Nuclear Medicine and Diagnostic Imaging Section Division of Human Health
<b>Duty Station:</b>	Vienna
<b>Type/Duration of Appointment:</b>	FT – JPO, 1 year

## Organizational Setting

The Department of Nuclear Sciences and Applications implements the IAEA's Major Programme 2, "Nuclear Techniques for Development and Environmental Protection". This Major Programme comprises individual programmes on food and agriculture, human health, water resources, environment and radiation technologies. These programmes are supported by laboratories in Seibersdorf, Monaco and Vienna. The Major Programme's objective is to enhance the capacity of Member States to meet basic human needs and to assess and manage the marine and terrestrial environments through the use of nuclear and isotopic techniques in sustainable development programmes.

The Division of Human Health is organized into four Sections whose objectives are to enhance the capabilities of Member States to address needs related to the prevention, diagnosis and treatment of health problems through the development and application of nuclear techniques within a framework of quality assurance.

The Nuclear Medicine and Diagnostic Imaging Section's primary objective is to enhance Member States' capabilities to use nuclear medicine and other imaging technologies efficiently, mainly, but not limited to cancer and cardiac diseases, and for undertaking related basic and clinical research. To achieve those goals, special attention is given to the preparation of educational resources, guidelines and guidance documents.

## Main Purpose

As a member of a team led by the Section Head, the Associate Nuclear Medicine Physician coordinates and supports research, provides technical and advisory services and collects, analyses and disseminates information related to the application of nuclear medicine techniques using unsealed radiation sources in the diagnosis and treatment of diseases and in basic and applied research in the field of human health with a view to meeting development goals related to the provision of health services.

## Role

The Associate Nuclear Medicine Physician is: (i) a researcher collecting, reviewing, analysing and reporting data collection related to developments in nuclear medicine and diagnostic imaging; (ii) a collaborator utilizing technical expertise to participate and support initiatives of the Nuclear Medicine and Diagnostic Imaging Section including technical and scientific publications; (iii) a collaborator utilizing technical expertise to provide support to the development, quality assurance and delivery of educational materials for nuclear medicine and diagnostic imaging professionals.

## Partnerships

The Associate Nuclear Medicine Physician will work closely with colleagues in the Section. He/she interacts with consultants and on occasion, counterparts in Member States.

## Functions / Key Results Expected

- Participate on the development and implementation of coordinated research projects on the application of nuclear medicine techniques for the diagnosis and treatment of diseases, including the evaluation of research contracts and the publication of results.
- Participate and support the organization and implementation of internal meetings and events such as consultancy and research coordination meetings and conferences.
- Contribute to the development and implementation of projects aiming at applying quality management in nuclear medicine and diagnostic imaging practices in Member States.
- Review scientific literature and contribute to the drafting and review of reports and scientific publications.
- Collaborate in developing, harmonizing, proofreading, testing and publishing e-learning material in nuclear medicine in accordance with IAEA guidelines and regulations.
- Support the implementation of technical cooperation programme.

## Competencies and Expertise (do not revise or edit)

Core Competencies		
Competence	Occupational Role	Behavioural Indicator
Communication	Individual Contributor	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen and understand the perspective of others and proposes solutions.
Achieving Results	Individual Contributor	Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned.
Teamwork	Individual Contributor	Actively contributes to achieving team results. Supports team decisions.
Planning and Organizing	Individual Contributor	Plans and organizes his/her own work in support of achieving the team or Section's priorities. Takes into account potential changes and proposes contingency plans.

**RESTRICTED**

<b>Functional Competencies</b>		
<b>Competence</b>	<b>Occupational Role</b>	<b>Behavioural Indicator</b>
Analytical thinking	Associate	Gathers and analyses information, identifying critical relationships and patterns among data and proposes workable solutions.
Partnership building	Associate	Develops and maintains partnerships needed for his/her work. Establishes and nurtures positive relations with partners and stakeholders.
Technical/scientific credibility	Associate	Acquires and applies new skills to remain up to date in his/her area of expertise. Reliably applies knowledge of basic technical/scientific methods and concepts.

<b>Expertise</b>	
<b>Expertise</b>	<b>Description</b>
Nuclear Medicine  Nuclear Medicine Imaging	Expertise in development of educational materials for continuous professional growth in nuclear medicine.
Radiation Medicine  Clinical Practice	Knowledge of and proven practical experience in the clinical applications of diagnostic nuclear medicine, including cardiology, neurology and oncology as well as up-to-date knowledge in hybrid imaging e.g., PET/CT, SPECT/CT and PET/MR.
Radiation Medicine  Quality Management	Basic knowledge of quality management applied to nuclear medicine and diagnostic imaging practices.
Radiation Medicine  Radiation Medicine Research	Proven experience in clinical research in the field of nuclear medicine and diagnostic imaging.

**Education, Experience and Language Skills**

- University degree in Medicine with a post-graduate specialization in Nuclear Medicine.
- Minimum of two years of professional experience in the field of clinical nuclear medicine.
- Excellent computer skills in all standard applications required for word processing, data analysis and statistics, preparation of scientific reports and papers, graphs, etc.
- Excellent oral and written command of English. Knowledge of other official IAEA languages (Arabic, Chinese, French, Russian and Spanish) is an asset.

**RESTRICTED**