

# **International Symposium on Trends in Radiopharmaceuticals (ISTR-2023)**

**Monday, 17 April 2023 - Friday, 21 April 2023**

**IAEA headquarters**

## **Scientific Programme**

- **Production of diagnostic (Positron Emission Tomography; PET and Single Photon Emission Computed Tomography; SPECT), therapeutic and theranostic medical radioisotopes**
- **Production of radionuclide generators**
- **Production of diagnostic, therapeutic and theranostic radiopharmaceuticals**
- **Production and quality control of alpha emitter radiopharmaceuticals**
- **Research and development related to the production of medical radioisotopes and radiopharmaceuticals**
- **Quality control and quality assurance of medical radioisotopes and radiopharmaceuticals**
- **Preclinical evaluation of radiopharmaceuticals including data needed for approvals, case studies including animal/human compliance and statistics**

- **Dosimetry for new radiopharmaceuticals (both imaging and therapeutic agents)**
- **Good Manufacturing Practices (GMP) and other guidelines for production of medical radioisotopes and radiopharmaceuticals**
- **Design of radiopharmacy (industrial, hospital and centralized) facilities**
- **Regulatory aspects related to radiopharmaceuticals**
- **Accelerators for radioisotope production (choice, design etc.)**
- **Radiopharmacy Chapter in Pharmacopoeias**
- **Women in radiopharmaceutical sciences, trends, challenges, and future**
- **Education, including e-learning, certification and training methodologies for professionals involved in radiopharmaceutical sciences**

- **Introduction to the latest innovations in the radioisotopes and radiopharmaceutical industry**