

# COURSE ON:

## INNOVATIVE RADIONUCLIDES AND RADIOPHARMACEUTICALS

(24<sup>th</sup>-28<sup>th</sup> June 2024)

### Overview/Programme

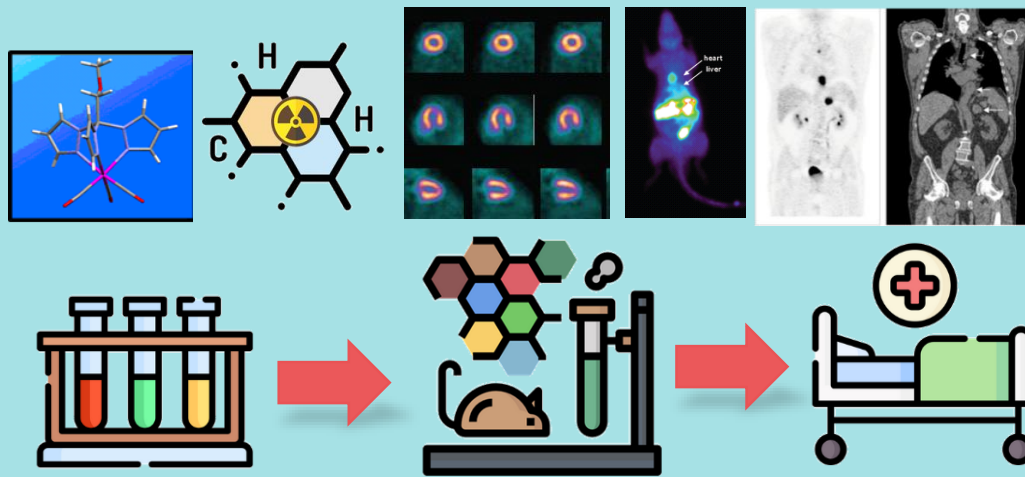
The course “*Innovative Radionuclides and Radiopharmaceuticals*” is organized by the Department of Nuclear Sciences and Engineering (DECN) from Instituto Superior Técnico (IST)/ University of Lisbon, a multidisciplinary academic unit focused on research, education, and innovation in the field of nuclear sciences, under the scope of the [ENEN2plus project](#), funded by the European Union’s Euratom Research and Training Programme (EURATOM) (grant agreement No 101061677).

The course gathers a group of national and international experts that will present theoretical lectures on hot topics of *Radiopharmaceutical Sciences*, comprising *radionuclide production, radiolabeling chemistry, in silico approaches*, methods for *preclinical studies* with *cellular and animal models*, and *applications of radiopharmaceuticals*. The course contains also several laboratory sessions to exemplify the several steps involved in the synthesis and evaluation of a potential radiopharmaceutical. It is planned a *one-day visit* to the facilities of the Institute for Nuclear Sciences Applied to Health ([ICNAS, Coimbra](#)), which is the leading institution in Portugal in the production of medical radionuclides and radiopharmaceuticals. The full programme can be found at the link: [http://projects.ctn.tecnico.ulisboa.pt/APaulo/ENEN/ISTCourse\\_Programme.pdf](http://projects.ctn.tecnico.ulisboa.pt/APaulo/ENEN/ISTCourse_Programme.pdf).

At the end of the course, the trainees will be acquainted with practical skills and scientific knowledge useful to understand the most important aspects required to bring medical radionuclides and radiopharmaceuticals from the bench to the bedside.

### Audience/Language

MSc, PhD students and junior scientists interested in the field of “Radiopharmaceutical Sciences”. Due to the practical nature of the course, a maximum number of 20 participants will be considered. All the classes will be taught in **English**.



### Registration

**Deadline: 31<sup>st</sup> May 2024**

There are no fees but the registration is obligatory.

**Application** should be sent by e-mail to [patricia.russo@ctn.tecnico.ulisboa.pt](mailto:patricia.russo@ctn.tecnico.ulisboa.pt), and must include a brief **motivation letter** (max. 200 words) and a **short academic CV**.

Due to the practical nature of the course, **a maximum number of 20 participants** will be considered. After the registration period, the local organizers will select the participants that will be informed of their acceptance or non-acceptance to participate in the course by the **5<sup>th</sup> June 2024**.

To **support** their participation, participants can apply for the **ENEN2plus mobility grant** program.



Venue



[Radiopharmaceutical Sciences Group, Campus Tecnológico e Nuclear](#)

Estrada Nacional 10 (km 139,7), 2695-066 Bobadela LRS, Portugal



DECN  
DEPARTAMENTO DE ENGENHARIA  
E CIÊNCIAS NUCLEARES  
TÉCNICO LISBOA