

## Target group

This training course aims at delivering the basics of Nuclear Chemistry and Radiochemistry and Radionuclide/Radioactivity Applications in a modern society.

Participants should have interests in Natural Sciences, Radiochemistry, Nuclear Medicine and a basic knowledge of radioactive decay and radionuclides.

This Summer School targets high school / college students through to bachelor students

## Objectives

- to get familiar with the basics and gain understanding of basic principles of Nuclear Chemistry and Radiochemistry
- to get familiar with radioactivity and radionuclides and their application in medicine, industry and environmental protection
- to be able to understand hazards associated with radiation and basic protection skills
- to gain information on different issues associated with nuclear energy and radiation and future needs .....



<http://www.cinch-project.eu>

A-CINCH is a HORIZON 2020 EU Framework Program project aiming to improve and evolve nuclear chemistry education and training in Europe.

The project closely collaborates with the European Network on Nuclear Chemistry Education and Training aiming to shift the education and training in nuclear chemistry to a new level.



## Summer School on Nuclear Chemistry and Radiochemistry: Theory and Applications

Nicosia  
12-16 June 2023



## ORGANIZATION

The course is organised by the A-CINCH Consortium and it consists of lectures and practical activities/games.

The Summer School will take place at the University of Cyprus (New Campus), Department of Chemistry.

All teaching will be in English.

## LOCATION

University of Cyprus (New Campus)  
Department of Chemistry  
Leoforos Panepistimiou 1  
2109 Nicosia (Aglantzia)  
Cyprus

## REGISTRATION

For detailed information, please visit the A-CINCH web page to download the application form (<https://www.cinch-project.eu/>). Send the completed form to Ioannis Paschalidis ([paschalidis.ioannis@ucy.ac.cy](mailto:paschalidis.ioannis@ucy.ac.cy)).

No course fee will be charged to the participants and a budget exists to support travel and accommodation expenditure of the participants ([A-CINCH Travel Fund Handbook](#)).

Application deadline is 12 May, 2023.

### TRAVEL INFORMATION

<https://www.rome2rio.com/s/Nicosia/Larnaca-Airport-LCA>

[https://www.cyprusbybus.com/University\\_of\\_Cyprus\\_123.aspx](https://www.cyprusbybus.com/University_of_Cyprus_123.aspx)

## Practical Activities: Radiation Detection and Measurement



## Virtual Experiments: Virtual experiments / VR lab



## Games:



Lectures: 12-16.6.2023

The lectures sessions will include:

- Introduction to nuclear and radio-chemistry
- Nuclear Fuel Manufacture, Fuel Recycling and Nuclear Decommissioning
- Radiopharmaceutical chemistry and Radiopharmaceuticals in Diagnostics and Therapy
- Radiotracers and Sealed Sources
- Radioecology
- Radiation Protection and Dosimetry

