



CONSORTIUM MEETING 3

Public Event

Training Resources

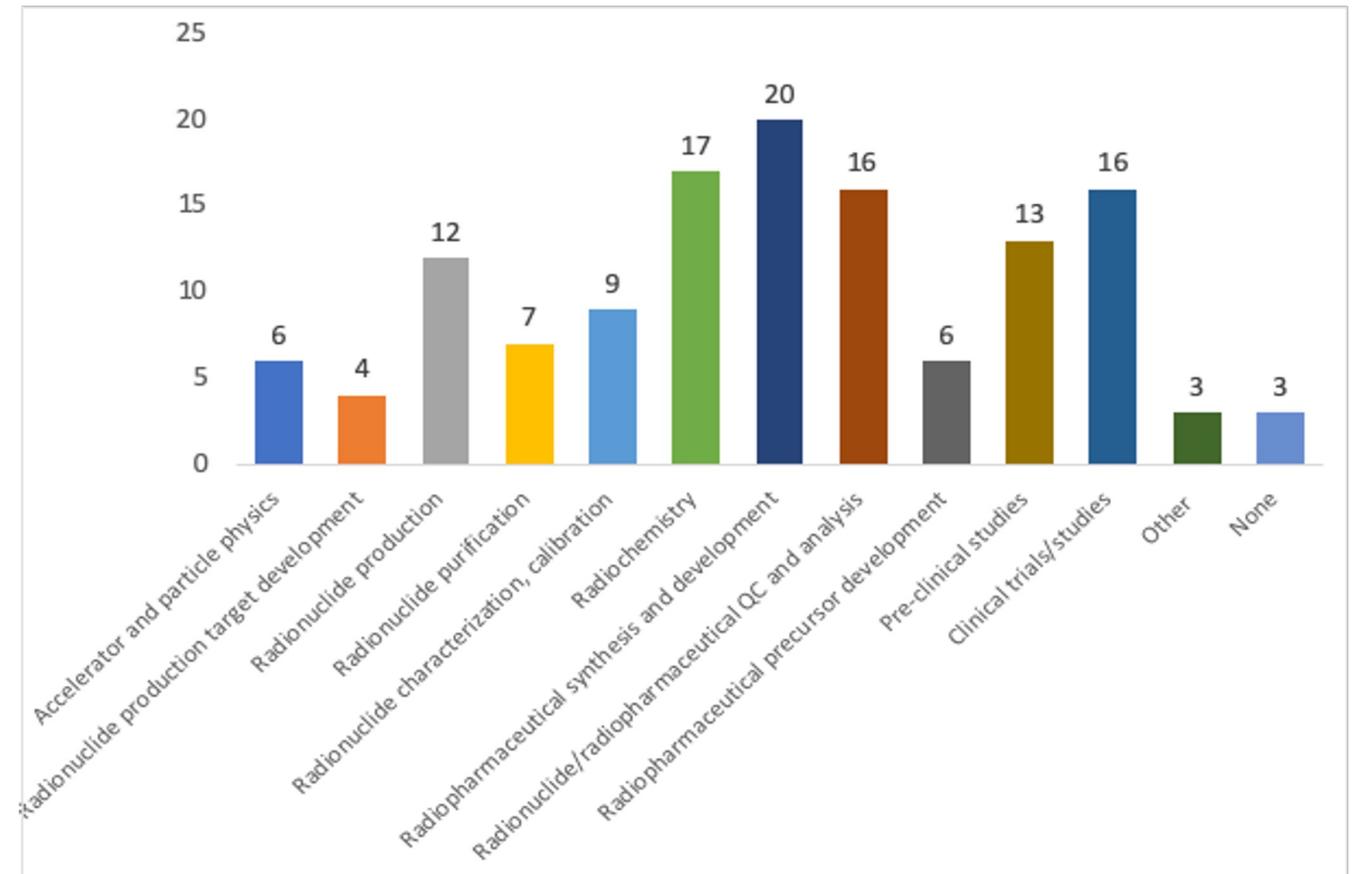
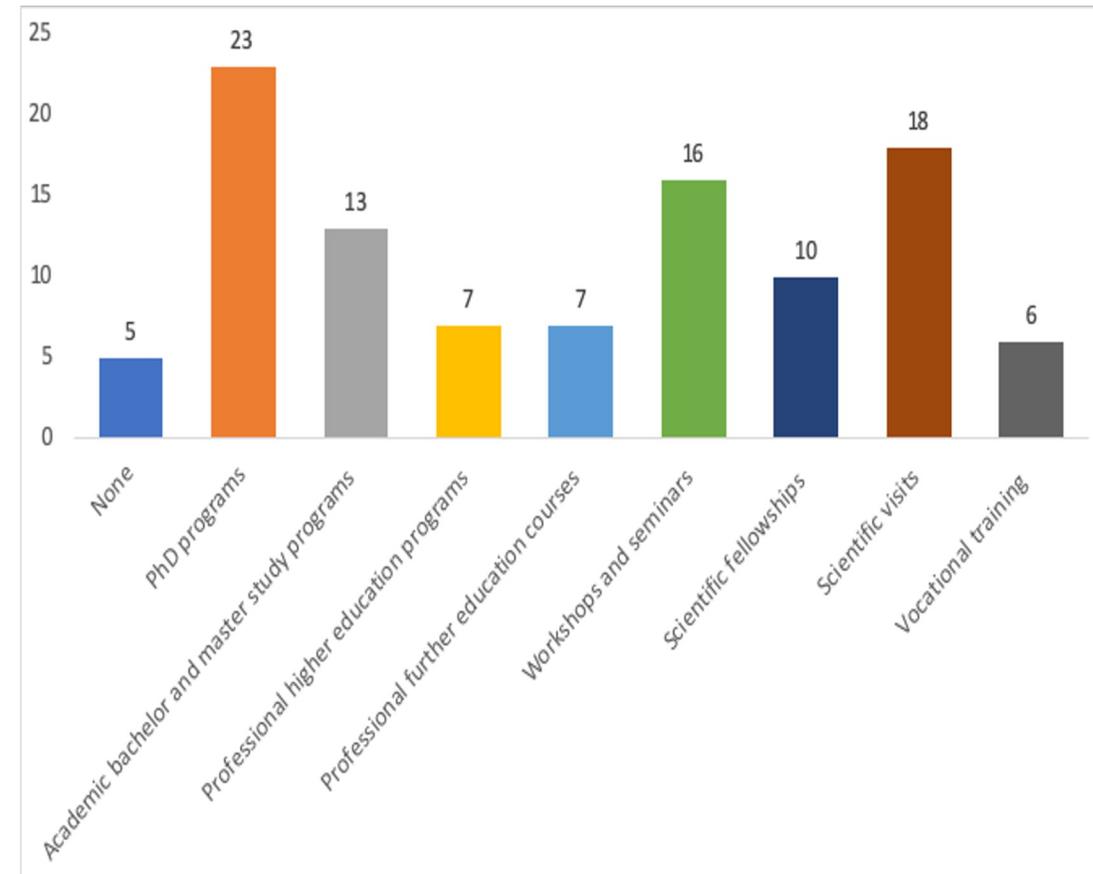
Thomas Elias Cocolios (KUL)

13- 16 June 2022

PRISMAP Survey

Give us your input: take our [SURVEY!](#)

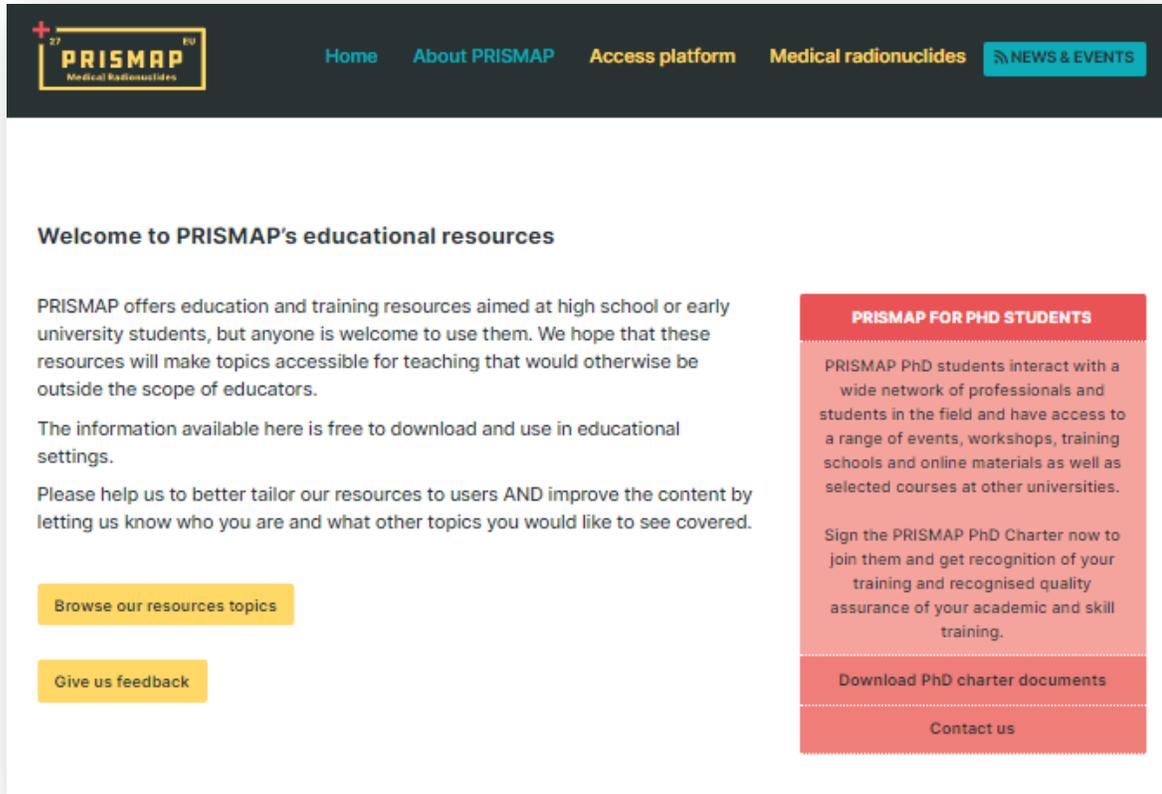
- 31 respondents provided input on training activities (and shortcomings)



How can PRISMAP contribute to your training needs?

- For students, from high-school to their Master degree
- For PhD students, within or outside our Consortium
- For experienced researchers in the PRISMAP fields of research

A central access point: the PRISMAP website



The screenshot shows the PRISMAP website's educational resources page. The header includes the PRISMAP logo and navigation links: Home, About PRISMAP, Access platform, Medical radionuclides, and NEWS & EVENTS. The main content area is titled "Welcome to PRISMAP's educational resources" and contains three paragraphs of text. Below the text are two yellow buttons: "Browse our resources topics" and "Give us feedback". To the right, there is a red sidebar titled "PRISMAP FOR PHD STUDENTS" with three sections: "PRISMAP PhD students interact with a wide network...", "Sign the PRISMAP PhD Charter now to join them...", and "Download PhD charter documents". At the bottom of the sidebar is a "Contact us" link.

Welcome to PRISMAP's educational resources

PRISMAP offers education and training resources aimed at high school or early university students, but anyone is welcome to use them. We hope that these resources will make topics accessible for teaching that would otherwise be outside the scope of educators.

The information available here is free to download and use in educational settings.

Please help us to better tailor our resources to users AND improve the content by letting us know who you are and what other topics you would like to see covered.

[Browse our resources topics](#)

[Give us feedback](#)

PRISMAP FOR PHD STUDENTS

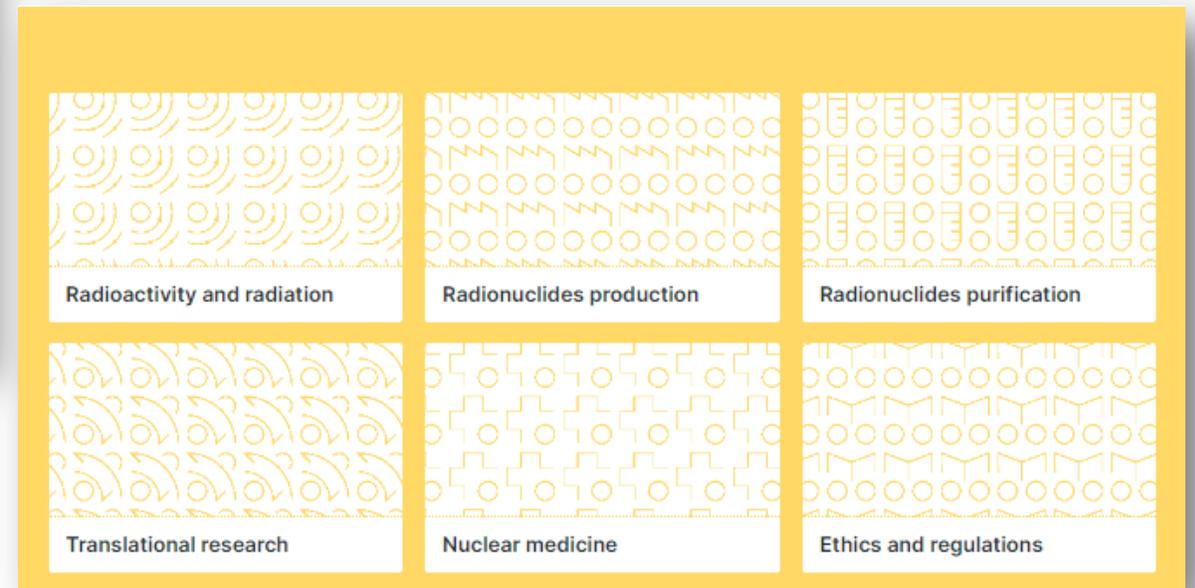
PRISMAP PhD students interact with a wide network of professionals and students in the field and have access to a range of events, workshops, training schools and online materials as well as selected courses at other universities.

Sign the PRISMAP PhD Charter now to join them and get recognition of your training and recognised quality assurance of your academic and skill training.

[Download PhD charter documents](#)

[Contact us](#)

<https://www.prismap.eu/radionuclides/educational/>



A grid of six educational resource categories, each with a decorative background pattern and a title. The categories are arranged in two rows of three.

Radioactivity and radiation	Radionuclides production	Radionuclides purification
Translational research	Nuclear medicine	Ethics and regulations

Material for students

- Links and material about novel radioisotopes
- Original material created by PRISMAP
- Bringing together resources from many partners



Original material already online

- KU Leuven educational video on the production of radionuclides via mass separation
- SCK CEN educational video translational research with emerging radionuclides
- Infographic on transporting radionuclides

Video:

From target to tumour by KU Leuven

This video takes you step by step through the process of the production of radionuclides via mass separation. It covers the basis of the proton beam and target used to produce radioisotopes, as well as the ion source, lasers and separator magnet used to filter out a radioisotope of interest, based on the ISOL (isotope separation online) technique, it finishes with a quick outlook of how these radioisotopes can be used to treat tumours.



Video:

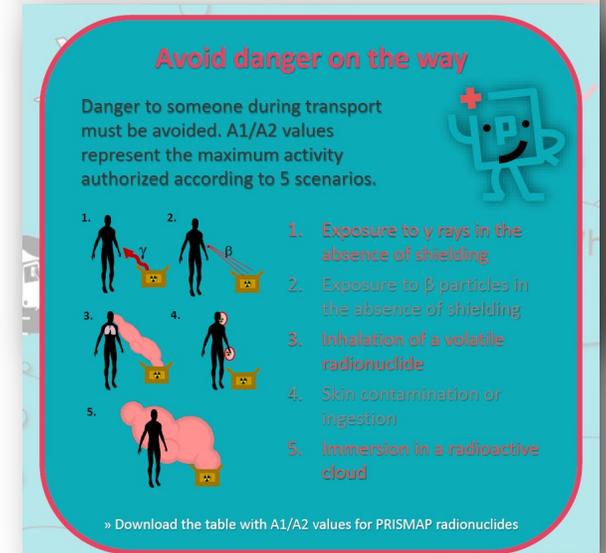
Translational Research with emerging radionuclides by SCK CEN

This video describes the overarching process of radiopharmaceutical research, starting from the fundamental understanding of cancer towards the discovery, development and production of radiopharmaceuticals. It displays the steps needed in search for the ideal radiopharmaceutical, including the preclinical research in disciplines such as radiobiology, dosimetry and radiochemistry. Various *in vivo* and *in vitro* tests are mentioned, as well as the necessary attention to safety, good laboratory practice, quality control and standardization. In terms of production of radiopharmaceuticals, both reactor-based and accelerator-based production are mentioned (as well as specific emphasis on mass separation and purification). The video will provide insight into the complexity and multidisciplinary nature of the translational research into radiopharmaceuticals.



Infographic on transporting radionuclides

This infographic illustrates the regulations and challenges associated with transporting radioactive material in Europe.





TELL US WHAT YOU NEED!



WWW.PRISMAP.EU



[@MEDRADIONUCLIDE](https://twitter.com/MEDRADIONUCLIDE)



[PRISMAP PROJECT](#)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101008571 (PRISMAP).

PRISMAP PhD Charter

Contact: prismap.training.office@kuleuven.be

- Creating a community of young researchers investigating novel medical radioisotopes, from their production all the way to their use in patient care.
- Access to our schools, our events, recorded training material from past events and other resources, and information about opportunities across our consortium (e.g. courses for credit).
- Membership to a dedicated distribution list to provide information about training opportunities and job opportunities.
- Awarding a certificate to testify to the engagement of young researchers in our field, as a proof of the quality of their training and a stamp of recognition across our community.

PRISMAP FOR PHD STUDENTS

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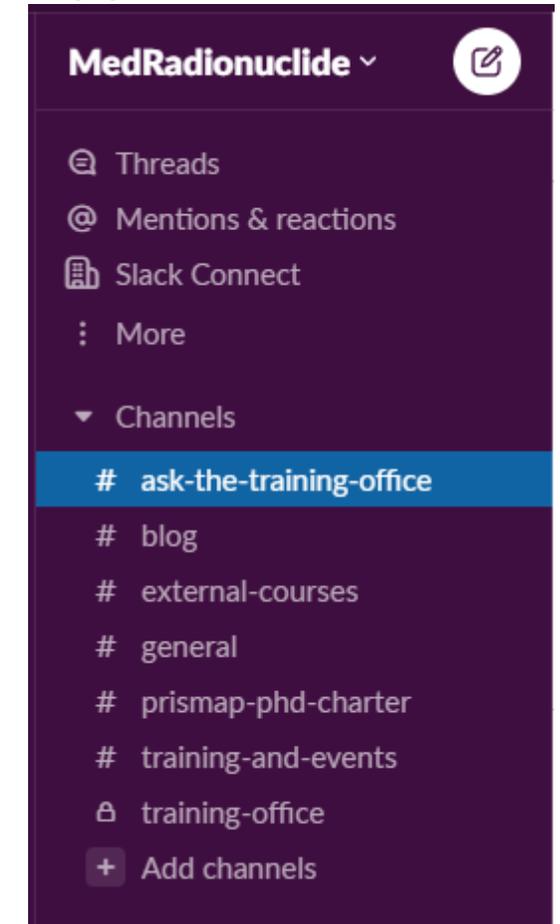
[Download PhD charter documents](#)

[Contact us](#)

Creating an online community

Contact: prismap.training.office@kuleuven.be

- All members of the PRISMAP PhD Charter will be given access to a Slack workspace.
- All participants are asked to contribute to a blog, self-moderated by the PhD students and accessible from the PRISMAP website.



International schools on different topics

Next year

- Translational research of radiopharmaceuticals at SCK CEN (BE) in Spring 2023
- International schools on radiolanthanides for medical applications in DTU (DK) in Summer 2023
- International school on radiochemistry and radiopharmacy in Lisbon (PT) in Summer 2023

Beyond 2024

- School on medical imaging in Riga (LV)
- School on radionuclide production by mass separation in Leuven (BE) or CERN



CONTACT US IF INTERESTED
PRISMAP.TRAINING.OFFICE@KULEUVEN.BE



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Professional training for experienced researchers

- Our research community into novel medical radioisotopes is highly interdisciplinary, with research in physics, chemistry, pharmacy, engineering, medicine and many other intersectional fields.
- We do not all share the same language and sometimes information gets lost in translation.
- We wish to offer trainings towards reaching out between the disciplines, in the form of webinars, talks at symposia, preparatory schools before large conferences, ...
 - E.g. PRISMAP held a dedicated pre-symposium to the virtual EANM'21 congress



WE WISH TO SERVE OUR COMMUNITY
GIVE YOUR INPUT TO LET US KNOW YOUR INTEREST



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