Join Radboud Summer School 2019!

State of the Art Radionuclide Imaging and Therapy in Oncology

change perspective

Radboud University
Radionuclides are important tools for imaging and therapeutic applications in oncology. When radionuclides are combined with tumor-targeting molecules, so-called tracers, they can be used to non-invasively visualize tumor lesions. Because of recent developments of novel biologics for therapy in oncology, more advanced radio-imaging techniques have become available. For instance, radiolabeled tracers can be used to identify patients who could benefit from the latest immunotherapies, or can be used for treatment response monitoring. Tracers can also be coupled to therapeutic radionuclides which can be used to specifically irradiate tumor lesions while preventing exposure to healthy tissue.

This course will discuss the characteristics of different radionuclides and tumor targeting agents, as well as the latest radiochemical methods to label radionuclides to targeting molecules. It provides you with both knowledge and hands-on experience with cell-based assays and in vivo evolution of the tumor targeting and therapeutic efficacy of immunotherapy radiotracers. You will learn to select the best in vitro experiment and how to set up and perform in vivo imaging and therapy experiments in several practical sessions. Examples will also be provided of bringing imaging and therapeutic radionuclides into the clinic.

This course will provide you with both basic knowledge and advanced insights in the exciting field of radionuclide imaging and therapy for oncology.

**After this course you are able to**

- Select the appropriate radionuclide for your application
- Characterize a radiotracer with in vitro methods
- Set up and perform an in vivo PET/SPECT imaging study

**Number of EC**

2 ECTS credits

**Course leaders**

- Sandra Heskamp, Assistant Professor Radiology and Nuclear Medicine, Radboudumc
- René Raavé, Postdoctoral researcher, Radiology and Nuclear Medicine, Radboudumc
Admission documents
Motivation letter and CV

Entry level
Master, PhD and Postdoc

This course is designed for
Master's students, PhD students and postdocs with a biomedical or biochemical background. Participants should have a basic level of biomedical, biochemical, chemistry or physics knowledge.

You can find more details about this course on our website

Course date
Monday 12 August - Friday 16 August 2019

Course fee
€ 600

Deadline application
1 June 2019

Discounts
• 10% discount for early bird applicants. The early bird deadline is 1 March 2019.
• 15% discount for students and PhD candidates from partner universities. Please note that these discounts can be combined if you apply before 1 March 2019.

Apply now!
What is the RSS experience?

RSS is more than just a course!

Radboud Summer School offers you a unique opportunity to meet other students and researchers from all over the world with different cultural and academic backgrounds. You will also get to know Radboud University and the city of Nijmegen. Our social programme includes a welcome reception, guest lecture and farewell drinks. And for a small fee you can join our BBQ, River Cruise on a pancake boat, a Pub Quiz, Sports Activities or a City Game.

Want to know more?
Have a look at what participants have said about their experience on our website!

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