

Dear NKRV members,

In our newsletters we aim to inform you about the upcoming NKRV activities and other topics that might be of interest to our members. Furthermore, from now on, this newsletter will also include a section on PhD defenses and accepted presentations at (inter)national conferences, to showcase the research performed in our field! If you have items to be listed in the next newsletter or on our website, please contact us via info@nkrv.nl.

NKRV workshops 2021

Because of the ongoing COVID-19 pandemic, we believe it is too optimistic to plan a NKRV workshop in June 2021. However, we hope that by the end of this year, there will be more opportunities to organize a face-to-face meeting. Therefore, we have tentatively planned a NKRV workshop 26th November 2021, in Groningen. More details will be communicated as soon as possible. We sincerely hope we can organize this face-to-face meeting to create an opportunity to reconnect with your (new) colleagues!

PhD theses defense in the spotlight!

Ionizing Radiation Quality and Dose Effects on DNA Double Strand Break Repair

Dr. Stefan Roobol, Departments of Molecular Genetics and Radiology & Nuclear Medicine, ErasmusMC, Rotterdam

Supervisors: Roland Kanaar, Marion de Jong, Dik van Gent, Jeroen Essers
Defense date: 9-3-2021



In my dissertation, I show the quest for how the therapeutic effect of alpha particles can be investigated in a molecular biology lab. Partly because of our research, it can be better investigated how the alpha particles kill cancer cells and combination therapies can be devised to improve the therapeutic effect of radionuclide therapy. Finally, our research shows that using delivery vehicles radionuclide, which emit alpha particles, can safely reach cancer cells. The results in my thesis could serve as a stepping-stone to further studies in improving the treatment of various metastatic cancers.

Click [here](#) to read the full thesis

Travel funding opportunities for technicians and PhD students

Although most conferences are still online, the NKRV has reserved money to sponsor the attendance of PhD students and technicians to radiochemistry conferences in 2021. A maximal amount of 500 euro can be requested per student/technician per year. Considering the long-lasting impact that the COVID-19 crisis has on conferences, we have decided to expand these funding opportunities to travel expenses for traineeships/research visits as well. If you are planning to visit another radiochemistry lab in order to learn or improve on a specific technique, we can support this. Please contact us via info@nkrv.nl if you are interested.



Meetings and workshops in 2021

- **eSRS:** Society of Radiopharmaceutical sciences, May 17-19, virtual meeting. For more information check website: <https://www.srsweb.org/esrs2021-home>. eSRS presentations from NKRV members:
 - Coralie Bonnemaire. Expanding the radiochemist's toolbox: carbon-11 labelled formamides and iocyanides for PET tracer synthesis. Wednesday May 19, 2021
 - Anna Pees. Radiofluorination of Ruppert-Prakash reagent (Me₃SiC[¹⁸F]F₃) or syntheses of ¹⁸F-trifluoromethylated compounds. Tuesday May 18, 2021
 - Natascha Stergiou. ⁸⁹Zr-immuno-PET of a novel bispecific Amyloid β monoclonal antibody reveals improved and high specific brain uptake. Wednesday May 19, 2021.
- **EMIM:** 16th European Molecular Imaging Meeting organized by ESMI, August 24-27 in Gottingen. See website for actual info: <https://www.e-smi.eu/>
- **EANM:** European Association of Nuclear Medicine, October 23-27, 2021 in Hamburg, Virtual. For more information check website: <https://eanm21.eanm.org/>
- **ESRR:** European Symposium on Radiopharmacy and Radiopharmaceuticals, postponed until 2022. For information: <https://www.esrr.info/>
- **F-18 radiochemistry course:** The next ¹⁸F radiochemistry course in Amsterdam was planned for April 2020, but was cancelled. The course is rescheduled to 18-19 November 2021.

Do you want to announce your congress, symposium or accepted conference presentation in this newsletter, please contact us via info@nkrv.nl.

Educational lectures

At the NKRV workshops several educational lectures were given. The slides of these lectures are freely available and can be downloaded from the [website](#) of the NKRV. Currently, the following lectures are available and after each NKRV workshop this list will be updated:

- Nomenclature in Radiopharmacy
- Ergonomics
- Ga-68 chemistry
- Production of Radionuclides
- F-18 chemistry

Open positions

Are you looking for a new colleague? We can post your vacancy on our website. For more information, please contact info@nkrv.nl. Are you looking for a new position yourself, please have a look [here](#).

NKRV sponsors 2021



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