

Radiometals in Medicine – 2018W: 270046

Lecturer: Prof. Dr. Thomas L. Mindt

Format: 7 double lectures (each ca. 1.5 h), all in October

Language: English

Location: Library of the Nuclear Medicine, AKH, Level 3



Description

This class provides first a general introduction into radiopharmaceutical sciences and nuclear medicine. In the following, the focus lies on radioactive metals, their production, conjugation to biomolecules of medicinal interest, and applications of the resulting metal-based radiopharmaceuticals for diagnosis (imaging by SPECT and PET) and therapy in nuclear medicine.

The lectures are organized as follows:

Chapter 1: An Introduction Into Radiopharmaceutical Sciences and Nuclear Medicine

Chapter 2: Registered Metal-Based Radiopharmaceuticals

Chapter 3: Design and Development of Metal-Based Radiopharmaceuticals

Chapter 4: Fundamentals in Radiometal Labelling

Chapter 5: Production of Radionuclides (Focus on Generator Technologies)

Chapter 6: Recent Developments and Future Trends

Chapter 7: Click Chemistry and Bioorthogonal Reactions (in Radiopharmacy/-chemistry)

More information can be found <https://bit.ly/2xQPbXQ>

Recommendation

This class is part of a series of lectures on the topics radiopharmacy/nuclear medicine. It is highly recommended to participate also in the complementary lectures of Prof. Dr. Wolfgang Wadsak (Medizinische Radiochemie 1&2; VO 270173 & VO 270032) and Prof. Dr. Markus Mitterhauser (Radiopharmazeutische Technologie, VO 320043).

Contact

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