



Einladung zum Vortrag von

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**Prof. Dr. Thomas L. Mindt**

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**„Radiopharmaceutical Sciences: The Development  
of Radiolabelled Diagnostic Probes and Therapeutic  
Agents for Applications in Nuclear Oncology“**

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Radiopharmaceutical sciences is a multidisciplinary research field engaged in the development of radioactive-labelled drugs (radiopharmaceuticals) for therapeutic and diagnostic applications in nuclear medicine using the imaging modalities Single Photon Emission Computed Tomography (SPECT) and Positron Emission Tomography (PET).

The first part of the presentation includes a general introduction into the topic covering different important aspects such as radiation protection, radionuclide production, manufacturing of radiopharmaceuticals and examples of their clinical applications in nuclear medicine.

The second part of the talk focusses on a selection of research projects ongoing in the group of Prof. Mindt that aim at novel applications of radiolabelled compounds in oncology. Examples of topics included are radiolabelled peptides and proteins as tumour-targeting vectors, the development of novel chelators for radiometals and bio-conjugation chemistry. Emphasis will be on applications of metallic radionuclides and the multidisciplinary character of radiopharmaceutical sciences.

Dienstag, 08. November 2016, 14:00 Uhr

Hörsaal 4

Währinger Straße 42, 1090 Wien

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