



Thomas Cardinaels graduated in 2001 as Master in Chemistry at the University of Leuven (KU Leuven). He obtained his PhD in Chemistry in 2006, pursued with a 3-year postdoctoral mandate, both at KU Leuven. During the doctoral and postdoctoral research, he obtained extended expertise in molecular design and synthesis, coordination and complexation chemistry, and structural and optical characterisation techniques. In 2009, he obtained a position as research scientist and project leader in the Fuel Materials group at the Belgian Nuclear Research Centre (SCK•CEN). In the period 2009-2015, he led many research projects in the field of synthesis, thermochemistry and solid-state chemistry of ceramic nuclear fuels. During the period 2013-2015, he was also managing the Nuclear Fuel Laboratory, which was setup and qualified under his responsibility. In 2015, he was appointed Guest Professor at KU Leuven in the Department of Chemistry, where he is in charge of the courses Nuclear and Radiochemistry. In the same year, he became head of the Radiochemistry group at SCK•CEN, which activities cover a broad discipline of radiochemical analyses, partitioning and conversion of minor actinides, and the synthesis of nuclear fuels. Recently, the research of the group is more and more focussing on the production of medical radioisotopes, and the development and synthesis of therapeutic radiopharmaceuticals.