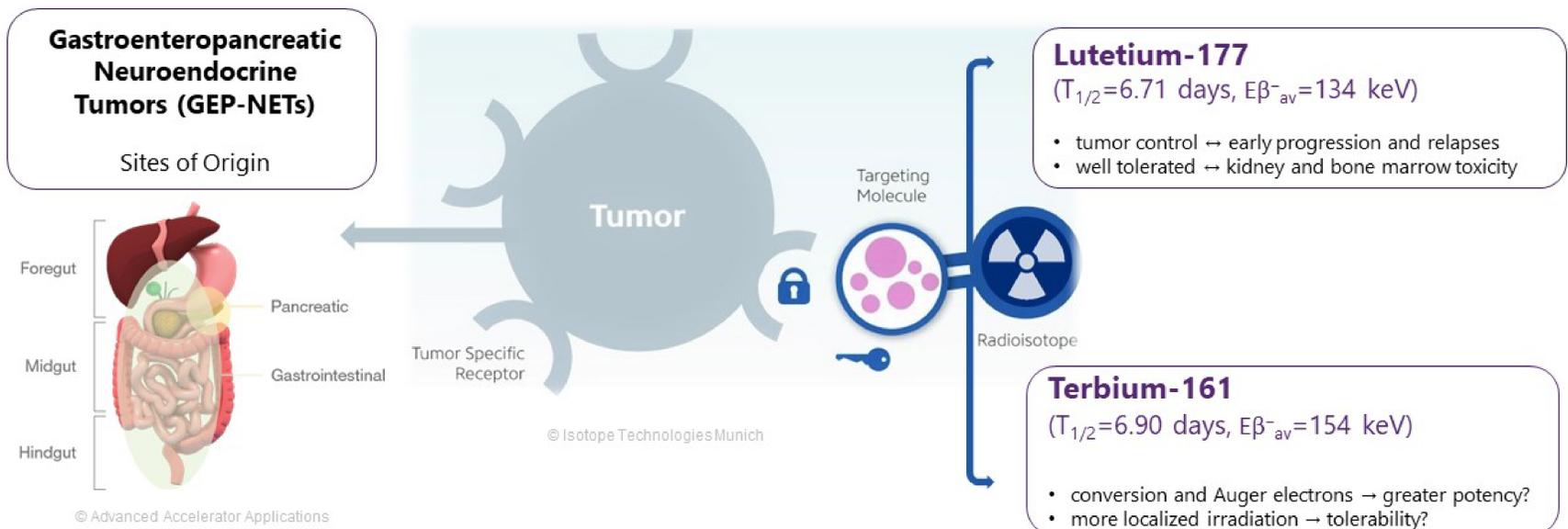


In vitro comparison of ¹⁷⁷Lu- and ¹⁶¹Tb-labeled DOTA-TATE for therapeutic efficacy and nephrotoxicity

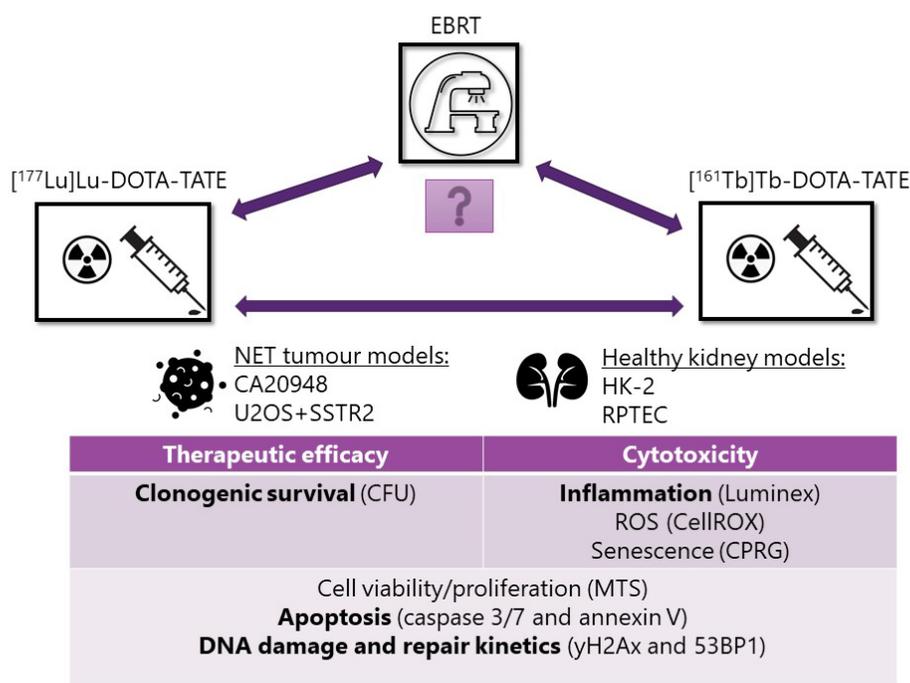
Lorain Geenen

Promotors: Erik Verburg & Marion De Jong
Co-promotors: Julie Nonnekens, Naomi Daems and An Aerts

Introduction

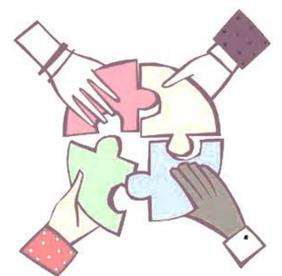


Methods



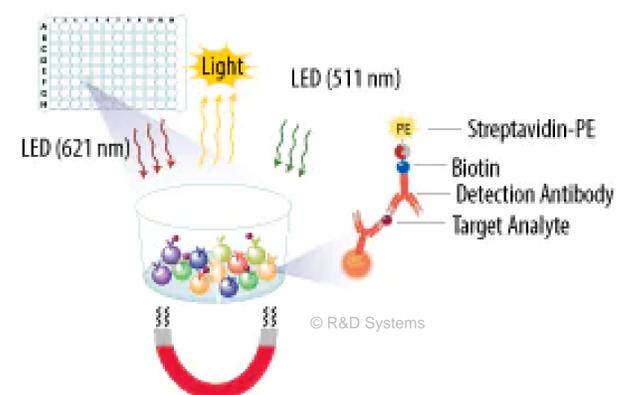
Challenges

- Radiolabeling [¹⁶¹Tb]Tb-DOTA-TATE
- In vitro situation ~ in vivo situation
- Comparison PRRT versus EBRT
- THAF practical planning
- Decay of radioactive samples

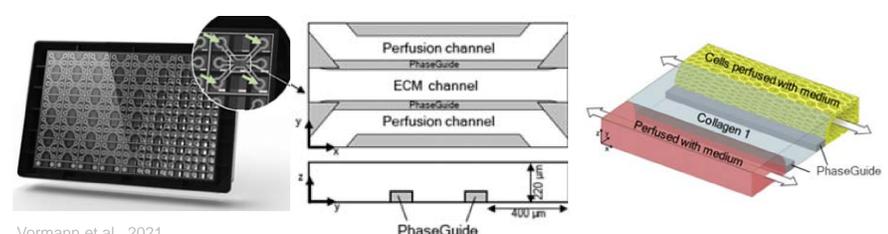


Planned

- Multiplex immunoassay for detection of radiation-induced renal inflammation markers



- Proximal tubule-on-a-chip model in a three-lane OrganoPlate platform



Results

