

24. Theranostic and Clinical Translational of Agents
1 unit, Jason Lewis and Serge Lysachenko, October 30, 2025

Theranostic Radiopharmaceuticals

Concept of theranostics

Therapeutic isotopes and application

Preclinical studies and translation

Clinical application

Tour of the cyclotron facility

Discussion Paper:

Korsen JS, Gutierrez JA, Tully KM, Carter LM, Samuels ZV, Khitrov S, Poirier JT, Rudin CM, Chen Y, Morris MJ, Bodei L, Pillarsetty NVK, Lewis JS. Delta-like Ligand 3-Targeted Radioimmunotherapy for Neuroendocrine Prostate Cancer. Proceedings of the National Academy of Sciences (PNAS), 119, e2203820119, 2022

Review Paper:

Bodei L, Herrmann K, Schoder H, Scott AM, Lewis JS. Radiotheranostics in oncology — current challenges and emerging opportunities. Nature Reviews Clinical Oncology, 19, 534-550, 2022