

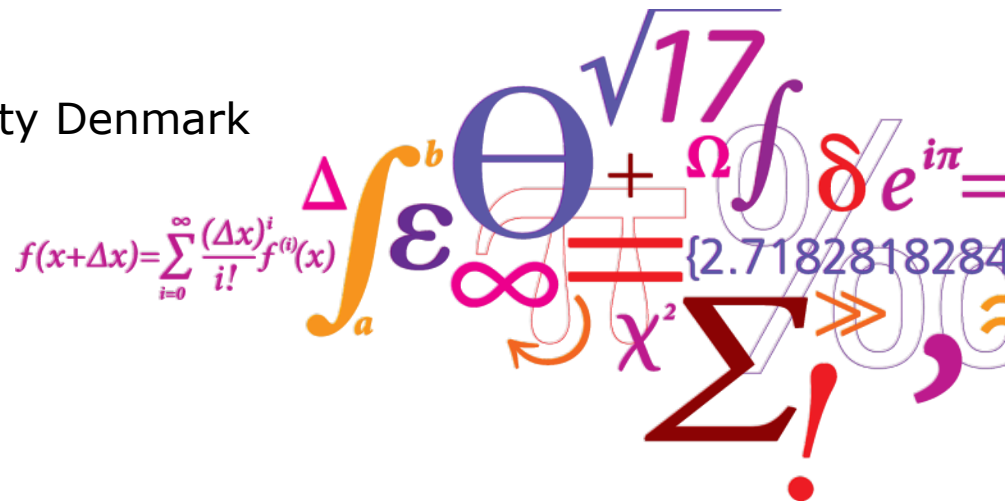
From target to patient

- Via mass separation AND radiochemistry

Mikael Jensen

Professor Applied Nuclear Physics

Hevesy Lab, DTU Technical University Denmark



Hevesy lab has no isotope separator, but:

- High level isotope handling (hotcells, international transport)
- Radiochemistry :Metals, Lanthanides, Halogens
- Long experience with reactor targets
- In house isotope production (commercial and research)
- Two cyclotrons in house and collaboration with the MC32 Copenhagen
- Targetry research
- Our own, in house, GMP radiopharmaceutical production
- Cell radiobiology lab
- Access to small animal imaging labs and a tumor model facility
- Long experience with collaboration industry
- Proven pipe-line: We have over the years managed to develop our own radiopharmaceutical from scratch via clinical trials to routine use.
- Auger emitter research
- Liposomes and hard nanoparticles for therapy
- Cu-64 production (>100 runs/year)
- ICP-OES, ICP-MS
- Mn-52, La-135,direct Ga-68, I-131, I125, Zr-89.....

What we could offer for a consortium

Pre-irradiation preparation of targets

Post irradiation radiochemistry in preparation for the mass separation

Post separation formulation, catcher separation ,chelation

In-vitro, in vivo testing

TRAINING !