**Home Kemo Care**  
- Reduction of cytotoxic impact

Value proposition/USP
Most cancer treatment with medical chemotherapy is done in an ambulatory setting. Patients receive the treatment in hospital and then go home shortly after. This means that drug residues are excreted (urine and faces) in the patients home and directly into the sewage system. Cytotoxic drugs are generally highly toxic (carcinogenic and mutagenic). Great care is taken in the healthcare system to protect staff against exposure, but patients are advised to live normally without taking precautionary steps. It is known for research that contamination with cytotoxic drugs do take place in patients homes and that is a risk to relatives and careers that is not addressed today. This invention provides a flexible, user friendly and cost effective solution to this challenge.

Business Opportunity/Objective/Commercial Perspectives
This invention can be used world wide in a growing market. In Denmark alone about 320,000 units of medical chemotherapy is used yearly. The average patients receives ca. 2 types of medication per treatment. This kits is to be used only for about 3 day after each treatment. Estimated 6 toilet visits/24 hours/patient means the potential is 18 x 160,000 = c.2,900,000 kits/yr.

Cancer cases are increasing – c.35-44 new cancer cases pr. 10.000 inhabitants annually. Treatment with medical chemotherapy is expensive - main reason for the escalating expenditure on drugs In 2016 Region H used ca. 673 mill. kr. (90 mill €) on medical chemotherapy.

Technology Description/Technology Summary
Kit for collecting urine and faces from the patient after chemotherapy treatment. The bag is fitted to the toilet, so the toilet seat is covered by the bag (important to protect other users/family of the toilet against carcinogenic drug residues).

Development Phase/Current state
A patent application on Home Kemo Care has been filled and prototypes has been developed. A major hospital in The capital Region are willing to take part in a test of Home Kemo Care with patients.

The Inventors
Helle Ølgaard McNulty, helle.mcnulty@regionh.dk
Paul Ølgaard McNulty, Paul_mcnulty@live.dk

Contact Information
Niels Skjærbæk
TTO Manager
+45 2460 1215
Niels.skjaerbaek@adm.ku.dk

Technology Seeking: Funding/Investors Licensee Partner/Research Collaboration IPR Sale