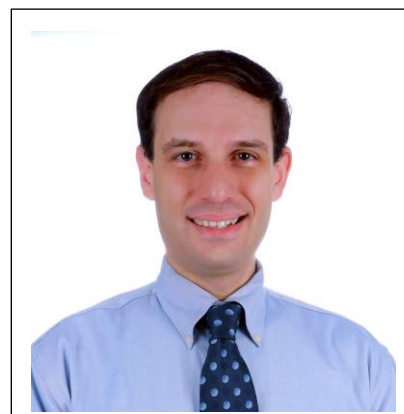


Dear all,

Nanoparticles by Design Unit (Sowwan Unit) would like to announce a seminar by, Prof. Ghaleb Hussein, American University of Sharjah.

Date & Time: Friday, October 10, 10:00-11:00

Venue: C016, Lab 1



Speaker: Prof. Ghaleb Hussein

American University of Sharjah in the United Arab Emirates

Title: Drug Delivery and Ultrasound

Abstract: Chemotherapy is the most extensively used treatment in the fight against malignant neoplasms. Unfortunately, chemotherapy use is plagued with numerous side effects. These side effects are caused primarily because of the non-specific nature of the treatment as the drug is capable of killing normal and cancerous cells alike. Several drug delivery systems have been investigated to reduce these side effects by encapsulating the chemotherapeutic agent in a nano-sized carrier until it reaches the tumor site. These carriers include: solid nanoparticles, micelles, liposomes and e-liposomes. Once the nanoparticle reaches the desired location, ultrasound is applied to release the chemotherapy drug directly to the cancer site, thus avoiding any interaction with the healthy cells in the body. This way the adverse side effects of chemotherapy are minimized.

This presentation will discuss two novel chemotherapy carriers (micelles and emulsion-Liposomes) used in conjunction with acoustic radiation to treat malignancies.

Host: Mukhles Sowwan, Nanoparticles by Design Unit

We look forward to seeing many of you.

Sincerely,

Yumi Takahashi

Nanoparticles by Design Unit (Sowwan Unit)