

The 233rd MANA Special Seminar



Development of nanomachine equipped nanoparticles for cancer therapy

Chair: Prof. Yutaka Ikeda (University of Tsukuba)

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Targeted delivery and controlled release of anticancer drugs remains a goal for cancer therapy. At the NanoMachine Center, we are developing mechanized nanoparticles that are equipped with a variety of nanomachines that include nanovalves and nanoimpellers. I will first describe construction of these nanoparticles based on mesoporous silica nanoparticles. I will then discuss our animal experiments to demonstrate anti-tumor efficacy of drug loaded mesoporous silica nanoparticles. Finally, I will mention briefly about recent developments concerning nanomedicine research at UCLA.

Venue: Seminar Room #431-432, 4F, MANA Bldg., Namiki

Date: **November 21st (Mon)** **Time:** **15:00-15:45**

Contact: International Center for Materials Nanoarchitectonics (MANA), Nakata (ex. 8806)

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