

# The 180<sup>th</sup> MANA Special Seminar



**Directed polymer self-assembly as a driving force in the nano-biosciences**

Chair: Dr. Takao Aoyagi (MANA PI)

**Prof. Françoise Winnik**

*(Université de Montréal, Canada)*

The concerted action of weak forces, such as hydrogen bonding, hydrophobic interaction, and electrostatic attraction, is used in nature and in the laboratory for the creation of controlled polymeric nanostructures. The design strategy leading to aqueous dispersions of polymeric nanoparticles or to nanocoatings of surfaces will be presented and illustrated with examples taken from recent work of my research group in the area of drug delivery, protein manipulation, and immunocamouflage of red blood cells.

**Venue: Seminar Room #431, MANA Bldg.**

**Date: November 8<sup>th</sup> Monday Time: 15:30-16:15**

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

