

Speaker: Dr Marie-Odile Parat
School of Pharmacy - University of Queensland

Title: “Perioperative morphine and tumour growth and metastasis.”

Date : 24 Sept 2014 (Wednesday)
Time : 11.00am – 12.00pm
Venue: Creation Theatre, Matrix Level 4 , Biopolis
Hosts : Dr Mei Bigliardi-Qi
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Abstract of the Seminar:

This presentation will review evidence that opioids and especially morphine administered to cancer surgery patients during the perioperative period may modulate tumour recurrence and metastasis. Preclinical and *in vitro* laboratory data will be presented that show that morphine has anti-tumor effects mediated through modulation of paracrine communication between cancer cells and stromal cells including macrophages and endothelial cells. The role of matrix degrading proteases will be detailed and the potential for clinical implications discussed.

About the Speaker:

Dr Parat graduated from Uni. Joseph Fourier in Grenoble, France and performed post-doctoral research in the Universidade de São Paulo, SP, Brasil and The Cleveland Clinic Foundation in the United States. Dr Parat was appointed as a Staff Scientist in the Center for Anesthesiology Research of the Cleveland Clinic in 2003, and a Senior Lecturer in the School of Pharmacy at UQ since 2007.

Her long term research goal is to provide insight for novel cancer therapies, focusing on cancer cell migration, endothelial cell migration, and angiogenesis. The role of opioids in tumour growth and metastasis is a preponderant research topic in her laboratory.