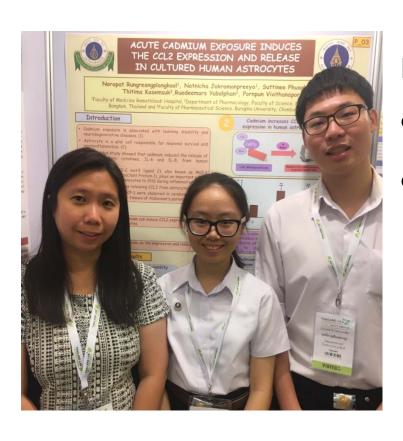
### ASSIST. PROF. PORNPUN VIVITHANAPORN

Department of Pharmacology, Faculty of Science



#### **Research interests**

- Neurotoxicology of heavy metals
- Roles of leukotriene antagonists on cancer cell proliferation and metastasis

### Roles of leukotriene antagonists on cancer cell proliferation and metastasis

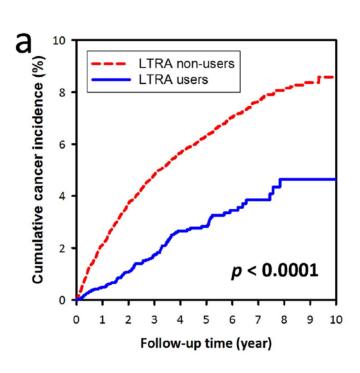
### **Rationale**

## SCIENTIFIC REPORTS

2016

**OPEN** Cysteinyl Leukotriene Receptor **Antagonists Decrease Cancer Risk** in Asthma Patients

Received: 14 October 2015 Accepted: 17 March 2016 Ming-Ju Tsai<sup>1,2</sup>, Ping-Hsun Wu<sup>3,4</sup>, Chau-Chyun Sheu<sup>1,5</sup>, Ya-Ling Hsu<sup>2</sup>, Wei-An Chang<sup>1</sup>, Jen-Yu Hung<sup>1,5</sup>, Chih-Jen Yang<sup>1,2,5,6</sup>, Yi-Hsin Yang<sup>7</sup>, Po-Lin Kuo<sup>4</sup> & Ming-Shyan Huang<sup>1,2,5,8</sup>



### Recent work

Cysteinyl Leukotriene Receptor Antagonists Inhibit Migration, Invasion, and Expression of MMP-2/9 in Human Glioblastoma

Pannaree Piromkraipak<sup>1</sup> · Kant Sangpairoj<sup>2,3</sup> · Wuttipong Tirakotai<sup>4</sup> · Kulathida Chaithiravanon<sup>2</sup> · Supeenun Unchern<sup>1</sup> · Porntip Supavilai<sup>1</sup> · Christopher Power<sup>5</sup> · Pornpun Vivithanaporn<sup>1</sup>

Cell Mol Neurobiol DOI 10.1007/s10571-017-0507-z

# Roles of leukotriene antagonists on cancer cell proliferation and metastasis

### **Ongoing projects:**

- Models:
  - Patient tissues
  - Glioblastoma and breast cancer cells lines
- Techniques:

PCR, ELISA, Migration assay, immunohistochemistry

Assist. Prof. Pornpun Vivithanaporn pornpun.viv@mahidol.ac.th