

Samuel Ooi Kah Kooi

Position: Research Assistant
E-Mail: samuelo@sunway.edu.my
Office Extension: 7190



Education:

Ph. D. Molecular Medicine, Universiti Putra Malaysia, Malaysia (On-going)

M. Sc. Molecular Medicine, Universiti Putra Malaysia, Malaysia

B. Sc. Biomedical Science, Universiti Putra Malaysia, Malaysia

Brief Employment History:

Adroit College: Lecturer

Oasis College: Part-time Lecturer

Universiti Putra Malaysia: Research Assistant

Research Interests:

Drug mechanism studies, anti-cancer studies, plant extraction

Selected Publications:

1. Yeo, C. I., **Ooi, K. K.**, Abdah, M. A., Ang, K. P., Zainal, A. F., Siti Nadiah, A. H., Ng, S. W., Seng, H. L., and Tiekink, E. R. T.. (2013) The influence of R substituents in triphenylphosphinegold(I) carbonimidothioates, $\text{Ph}_3\text{PAu}[\text{SC}(\text{O}-\text{R})=\text{NC}_6\text{H}_5]$ (R = Me, Et and iPr) upon in vitro cytotoxicity against HT-29 colon cancer cell lines and upon apoptotic pathway. *Journal of Inorganic Biochemistry*. 127: 24-38. 2013
2. **Ooi, K. K.**, Ang, K. P., Abdah, M. A., Cheah, Y. K., Yeo, C. I., Siti Nadiah, A. H., Seng, H. L., and Tiekink, E. R. T. Phosphanegold(I) thiolates, $\text{Ph}_3\text{PAu}[\text{SC}(\text{O}-\text{R})=\text{NC}_6\text{H}_4\text{Me}-4]$ for R = Me, Et and iPr, induce apoptosis, cell cycle arrest and inhibit cell invasion of HT-29 colon cancer cells through modulation of the nuclear factor- κB activation pathway and ubiquitination. *The Journal of Biological Inorganic Chemistry*. 20: 855-873. 2015.
3. Dayang Hazwani, A. I., **Ooi, K. K.**, Ang, K. P., Abdah, M. A., Cheah, Y. K., Norshariza, N., Siti Nadiah, A. H., Seng, H. L., and Edward, R. T. Tiekink. A bismuth diethyldithiocarbamate compound promotes apoptosis in HepG2 carcinoma, cell cycle arrest and inhibits cell invasion through modulation of the NF- κB activation pathway. *Journal of Inorganic Biochemistry*. 130: 38-51. 2014.

4. Lee, S. K., Tan, K. W., Ng, S. W., **Ooi, K. K.**, Ang, K. P., and Abdah, M. A. Zinc (II) complex with a cationic Schiff base ligand: synthesis, characterization, and biological studies. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*. 121: 101-108. 2013.
5. Tan, Y. S., **Ooi, K. K.**, Ang, K. P., Abdah, M. A., Cheah, Y. K., Siti Nadiah, N. H., Seng, H. L., and Edward, R. T. Tiekink. Molecular mechanisms of apoptosis and cell selectivity of Zinc dithiocarbamates functionalized with hydroxyethyl substituents. *Journal of Inorganic Biochemistry*. 150: 48-62. 2015.
6. **Ooi, K. K.**, Cheah, Y. L., Roihanah, R., Fezah, O., Norhafizah, M., Zarizal S., and Zainul A. Z. Chemopreventive activity of methanol extract of *Melastoma malabathricum* leaves in DMBA-induced mouse skin carcinogenesis. *African Journal of Traditional and Complementary Alternative Medicine*. 11: 66-70. 2014.