

## 2014/15 PSKL Research Grant

No	PI	CO-I	Project Title
1	Dr. Ma, Edmond D L	Prof. Yang, Michael Mengsu	A DNA-based Luminescent Switch-on Probe for the Selective Detection of Ochratoxin A in Aqueous Solution
2	Dr. Wong, Ka Leung	N/A	Development of a metabolomic and bio-imaging platform for the assessment of neurotoxicity of POPs using zebrafish ( <i>Danio rerio</i> ) as the model vertebrate
3	Prof. Chan, Wing Hong	N/A	Coumarin-based ratiometric fluorescent dye for the detection of cysteine in live cells
4	Dr. Huang Zhifeng	N/A	Enantioselection of Chiral Persistent Organic Pollutants using Chiral Nanoplasmonics
5	Prof. Wong, Chris K C	N/A	Effects of Bisphenol A and Phthalate on Estrogen- and Androgen-Signaling Pathways in Fetal Testes, a Study on the Developmental Basis of Reproductive Dysfunction in Adult Offspring.
6	Dr. Leung, Kelvin S Y	N/A	Study of disinfection by-products under drinking water treatment for a new persistent organic pollutant
7	Dr. Shiu, Kwok Keung	N/A	Development of electrochemical biosensor for the detection of polybrominated diphenyl ethers based on enzyme inhibition effects
8	Prof. Yang, Michael Mengsu	Dr. Ma, Edmond D L	A universal microfluidic co-culturing system for cell-cell interaction-based high-content drug screening

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9	Dr. Leung, Ken C F	N/A	Development and Toxicology Studies of Multi-drug Controlled Release Systems
10	Prof. Wong, Raymond W Y	N/A	Phosphorescent Metal Complexes for Carbon Dioxide Gas Sensing
11	Prof. Tang, Lei-han	Dr. Li, Xuefei	Modeling and analysis of metabolic pathway regulation based on proteomic and metabolite concentration data