



環境污染生理實驗室

Lab of Environmental Pollution Physiology

實驗室主持人：Dr. Tsai-Chun Lai 賴財春 助理教授



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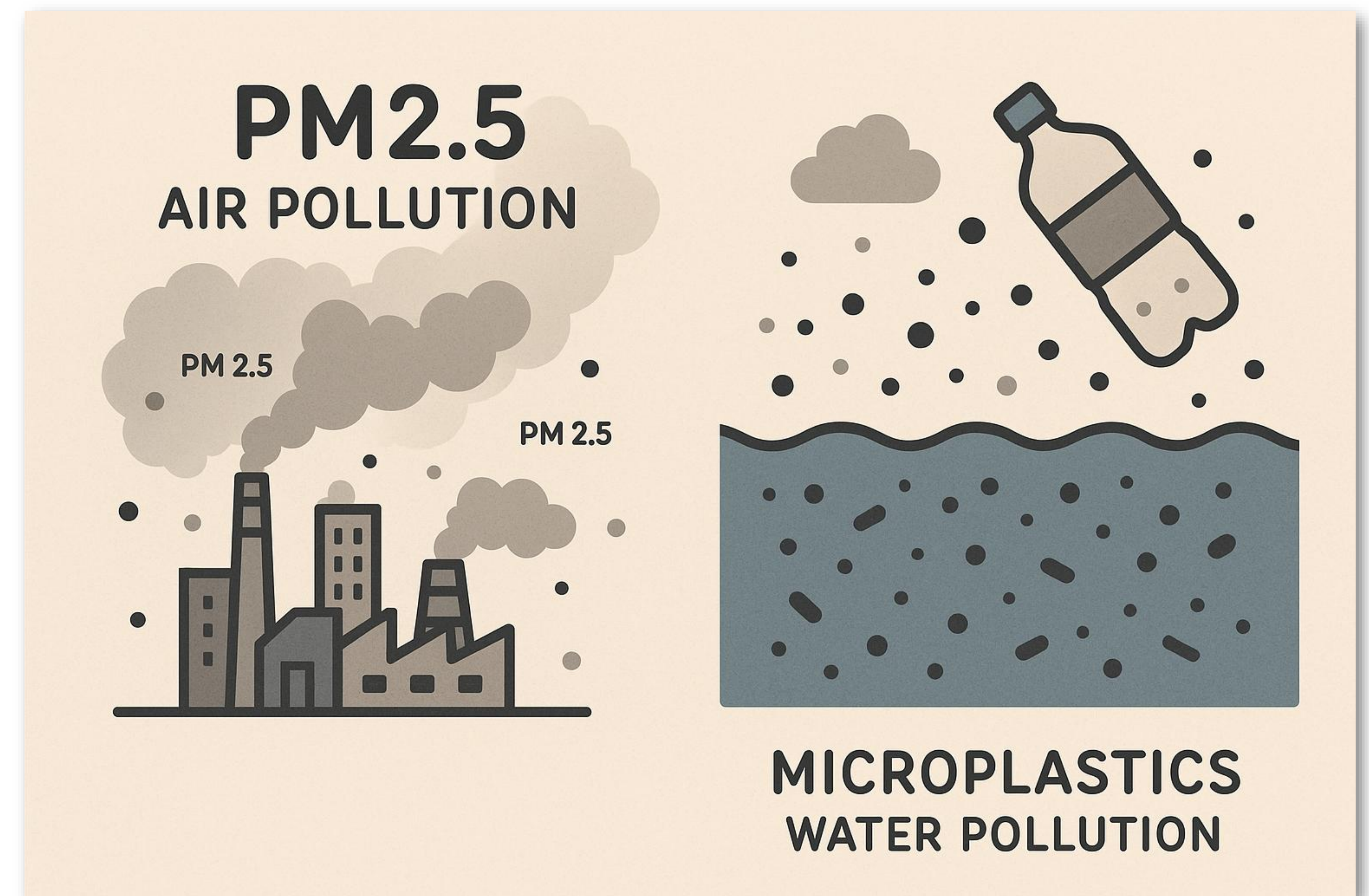
Lab location: 生命科學大樓712室/R712 Life Sciences building

研究方向 Research interests

- 環境汙染物質-懸浮微粒(particulate matter, PM_{2.5}) & 微塑膠 (microplastics)
- 利用多種細胞以及動物模式研究環境汙染物對動物的危害
Evaluate the harmful effects of environmental pollutants in *in vitro* and *in vivo* models
- 探討汙染物造成人體危害的機制 Elucidate the mechanisms underlying environmental pollutant-induced detrimental effects in humans
- 找尋有效對抗環境汙染物暴露造成危害之物質 Seek for potential interventions against diseases derived from exposure to environmental pollutants

實驗方法 Approaches

- 動物實驗 Animal experiments
- 細胞培養 Cell culture
- 西方墨點法 Western blotting
- 即時定量聚合酶連鎖反應 real-time quantitative PCR
- 免疫螢光染色 Immunostaining
- 實驗結果分析 Data analysis
- 其他實驗相關技術 Other techniques related to experiments



Lab members and alumni



Welcome to join my lab!