



醫學檢驗生物技術系  
Department of Medical Laboratory  
Science and Biotechnology

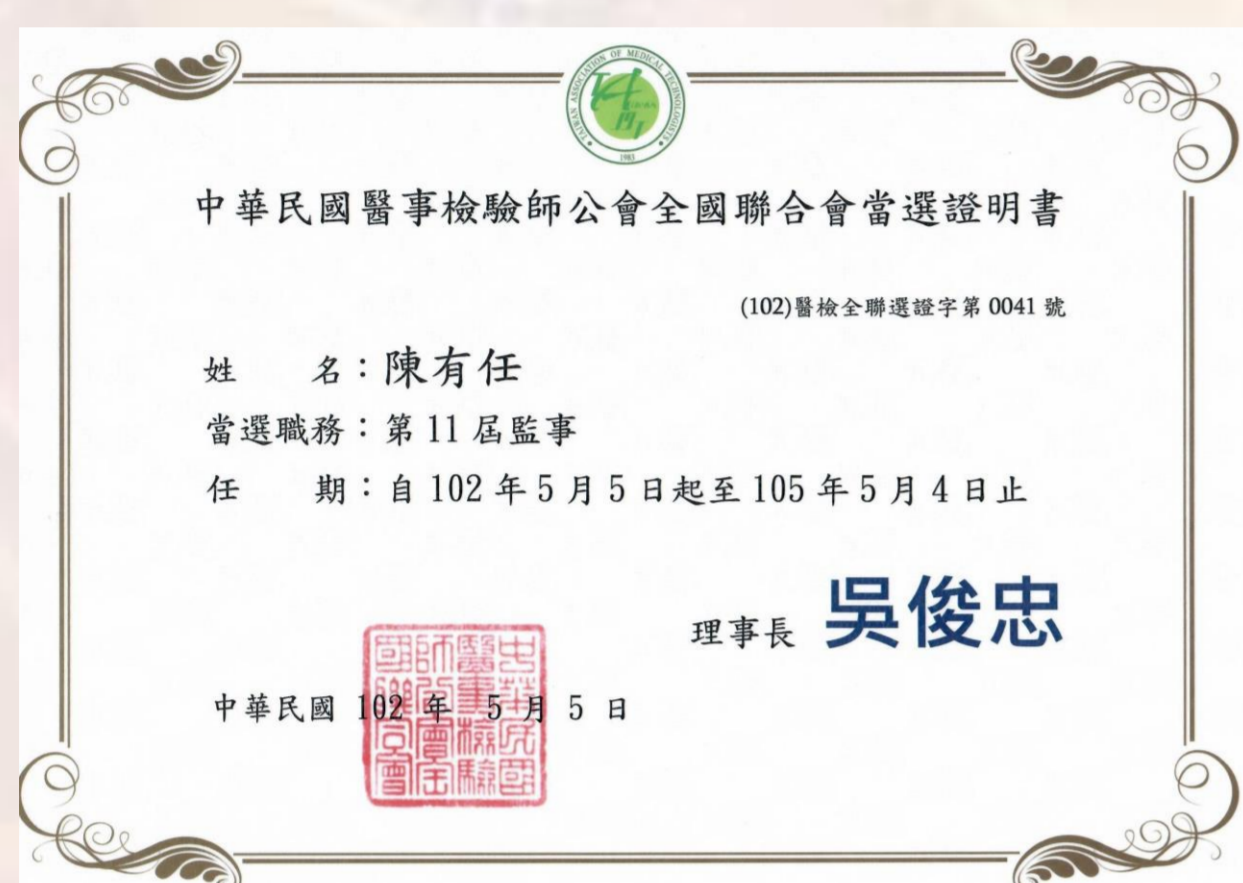
# 細胞功能實驗室 Cell Function Lab.

## 實驗室主持人學經歷

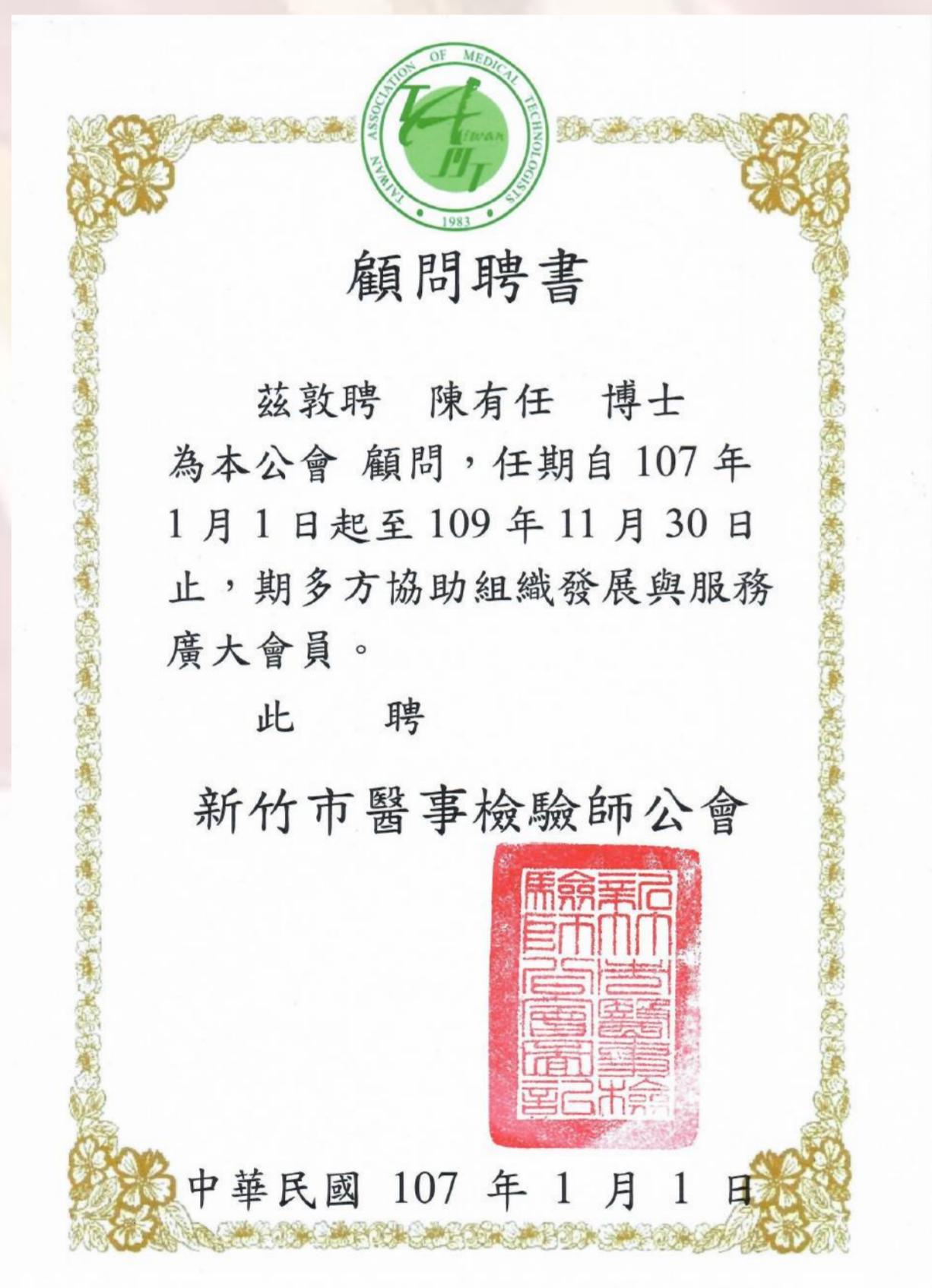
詳細著作與計畫  
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Teach subjects: Hematology, Hematology Laboratory



## 實驗室簡介

細胞功能實驗室主要以研究血液細胞、初級細胞與多種細胞株，探討細胞中許多胞器在產生自由基、細胞激素、免疫調控、細胞死亡等所扮演的角色，並尋求其中之訊息傳遞機制與調控關係。

## 核心技術

血球細胞分離、細胞培養技術、自由基測定、抗氧化測量、毒理測試、流式細胞儀。

## Laboratory profile

The cell function laboratory is based on culture many kinds of cell and blood cells, to investigate the role of the intracellular organelles on free radicals production, cytokines release, immunity regulation and cell death, and find out the signal transduction relationships.

## Core Technologies

Blood cells isolation, cell culture technology, free radicals measurement, antioxidant detection, toxicity test, flow cytometry.

## Research Projects

- 鐵調節素調控巨噬細胞產生自由基等功能之研究
- 傷口複合膠體對細胞生長影響之研究
- 塑化材質改變對細胞培養影響之研究
- 薑黃萃取物影響細胞抗氧化效能之研究



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