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#### 學歷

- 2010 美國加州大學爾灣分校 醫學工程 博士
- 2006 美國加州大學爾灣分校 醫學工程 碩士
- 2002 台灣大學應用力學研究所 碩士
- 2000 台灣大學機械工程學系 學士



#### 經歷

- 2013/08 - present 台灣大學應用力學研究所 助理教授
- 2011/10 - 2013/07 美國加州理工學院 博士後研究員
- 2011/07 - 2011/09 美國芝加哥大學 博士後研究員
- 2010/04 - 2011/06 美國加州大學爾灣分校 博士後研究員

#### 研究題目

心臟藥物自動化篩檢系統開發、可攜式體外檢測系統、數位化分子檢測系統、仿生癌組織及仿生微組織培養系統、光壓電系統、細胞力學於診斷系統之應用、個人化血壓計系統、PM2.5 濾材開發及個人化 PM2.5 濾清系統

#### 研究方向

本實驗室著重跨領域的系統整合及團隊合作訓練，以系統的角度為出發點，將基礎力學，細胞力學，組織工程，生物微機電製程，生物微流體，智能結構，以及量產技術進行整合應用，以發展可自動化之藥物篩檢微系統、可即時監測之慢性病檢測微系統、及可進行藥物篩檢之仿生組織培養系統，本實驗室亦開發不同新型材料及其應用系統，包含光壓電系統、PM2.5 靜電濾材。本實驗室除了應力所規定課程外，將會要求選修或旁聽一至兩門與研究相關之跨領域課程，以配合跨系統整合的研究，歡迎有興趣的同學加入本團隊。

#### 相關論文

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