

# 快速尿液微型核酸偵測系統輔助診斷 泌尿道上皮癌

## 主要領域

## 創新檢測技術

### 產品/技術簡介

- 我們發展一套可攜式的微流道奈米晶片光學檢測系統，檢測尿液中的特定微型核酸標記分子，其可對泌尿暨腎臟系統癌的復發進行先期監測。

### 應用: 癌症檢測

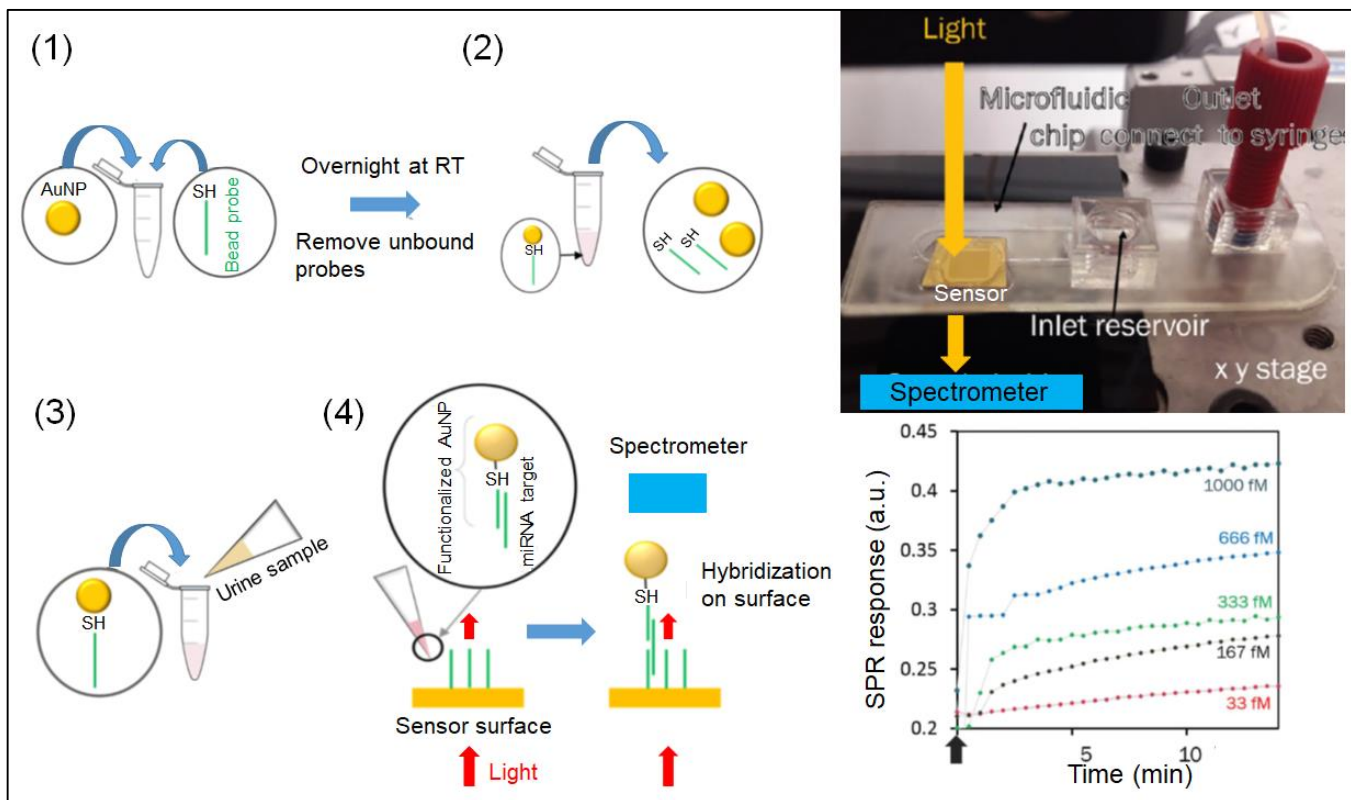
- 泌尿道上皮癌檢測
- 腎臟癌檢測
- 攝護腺癌檢測

### 優勢

- 可攜式、非侵入式、低檢測成本、快速診斷
- 高敏感性和高專一性準確診斷

### 專利現況

- 台灣專利 I547373, 2016/09/01 核准
- 大陸專利 ZL 201410471384.5, 2016/12/21 核准
- 美國專利 10,379,045 B2, 2019/08/13 核准



# Rapid Urothelial Carcinoma Diagnosis

## Research Area

## Innovative Detection Technology

### Technical statement:

- We developed a portable optical sensing platform with the use of capped gold nanoslits, a microfluidic device, microRNA probes and functionalized gold nanoparticles to detect specific microRNA targets in urine for early monitoring of urothelial carcinoma recurrence..

### Applications:

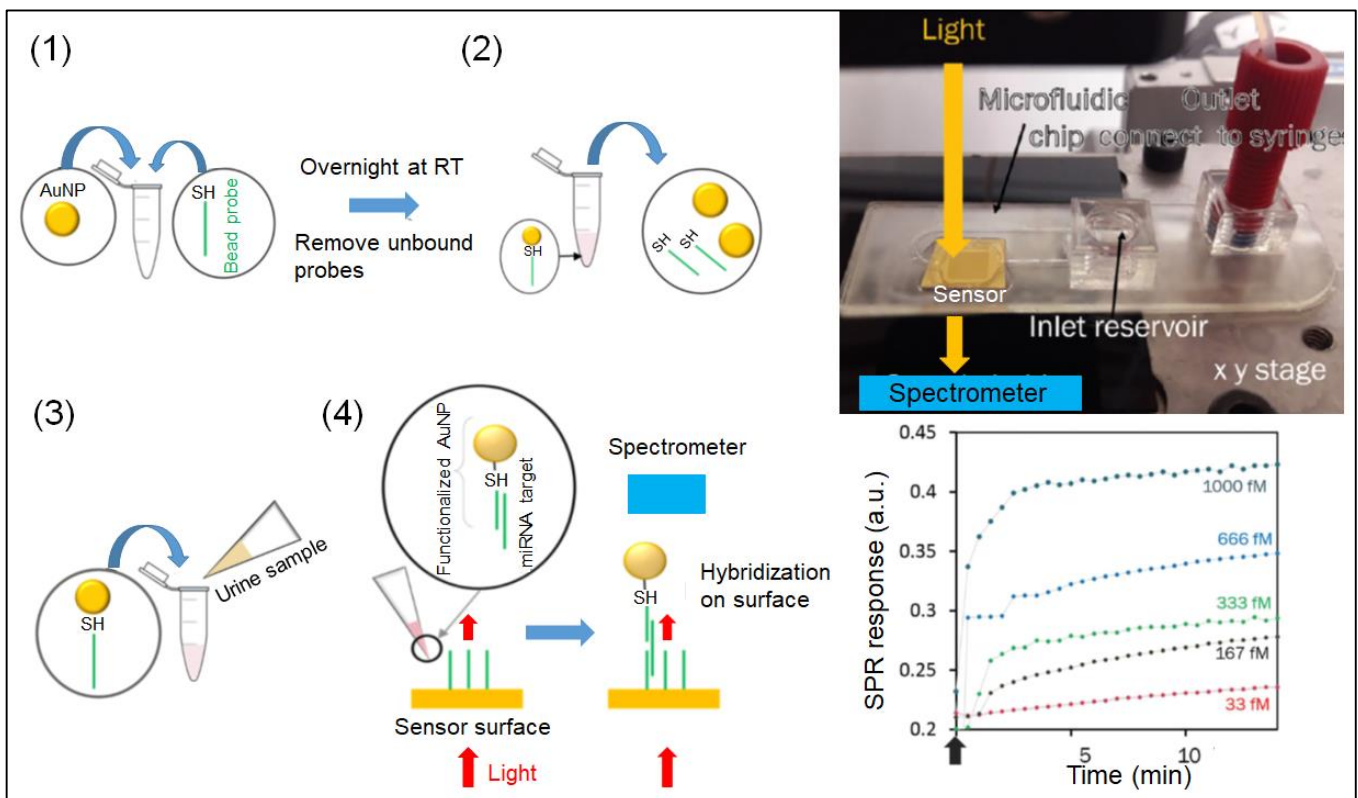
*Urothelial carcinoma, kidney cancer and prostate cancer diagnosis*

### Advantages:

- Portable, non-invasive, cost-effective and rapid diagnosis
- High sensitivity and specificity

### Patent status:

- Taiwan I547373, issued at 2016/09/01
- China ZL 201410471384.5, issued at 2016/12/21
- US 10,379,045 B2, issued at 2019/08/13



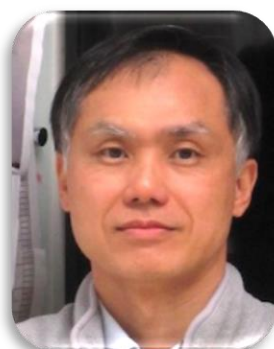
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