

# 開發癌症精準醫療之生物標記及 體外檢驗試劑原型

## 主要領域

## 精準醫療/癌症治療

### ■ 產品/技術簡介

- 癌症深度蛋白基因體及臨床資訊大數據庫
- 國際標準化之深度蛋白基因體整合分析平台
- 癌症標記蛋白質譜檢測技術

### ■ 應用: 疾病檢測、生物標記篩檢與開發

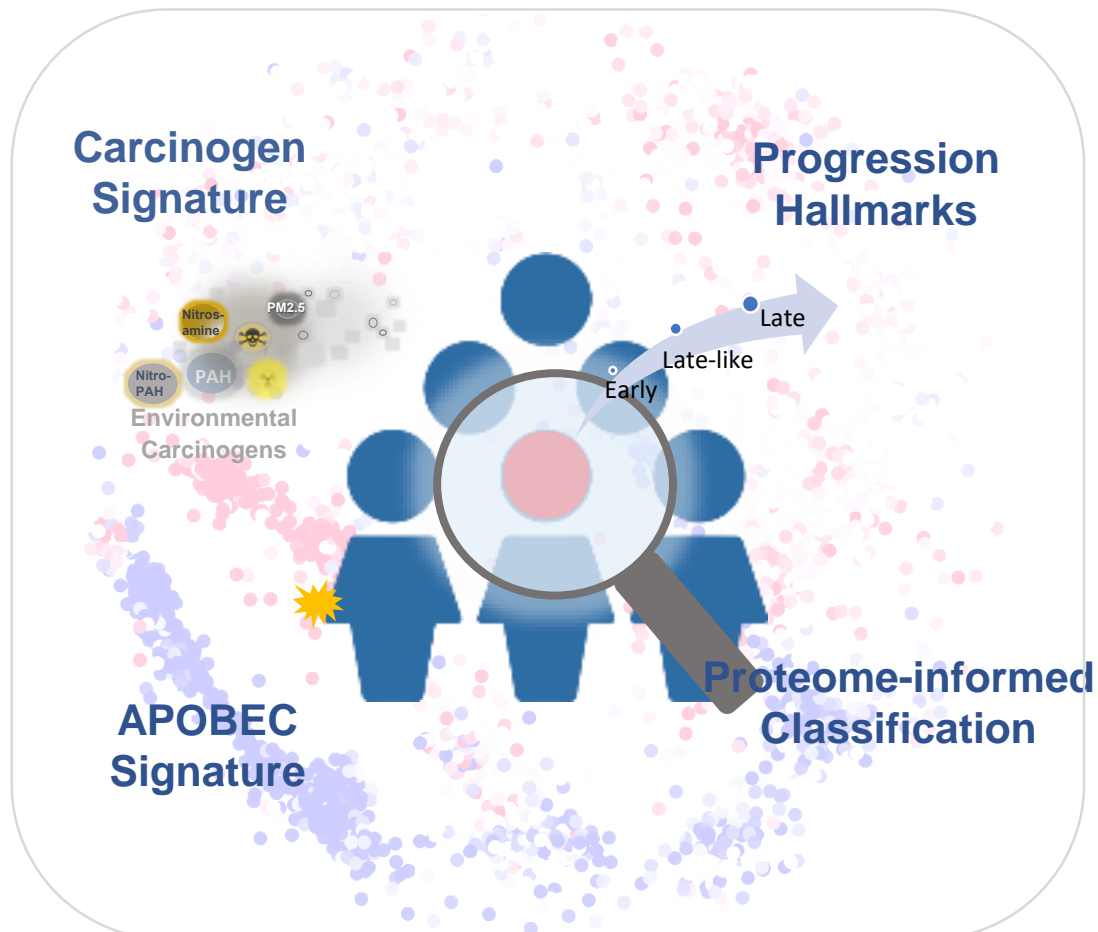
- 早期肺癌高復發預測套組與免疫療法伴隨式診斷LDTS的開發與臨床驗證
- 肺癌早期篩檢預測
- Tg甲狀腺質譜檢測

### ■ 優勢

- 東亞特色之癌症深度蛋白基因體大數據庫

### ■ 專利現況

- 早期肺腺癌之蛋白體分期診斷方法 (申請中)
- 以體細胞突變印記方法或試劑進行早期肺腺癌檢測 (申請中)



# Development of Biomarkers and In-vitro Testing Prototypes for Cancer Precision Medicine

## Research Area

## Precision Medicine/ Biomarker Discovery

### Technical statement

- High quality proteogenomic big data and clinical data for cancers
- Internationally standardized platform of deep proteogenomic analysis
- Mass spectrometry-based detection assay for cancer biomarker

### Applications: *Disease detection, biomarker screening and development*

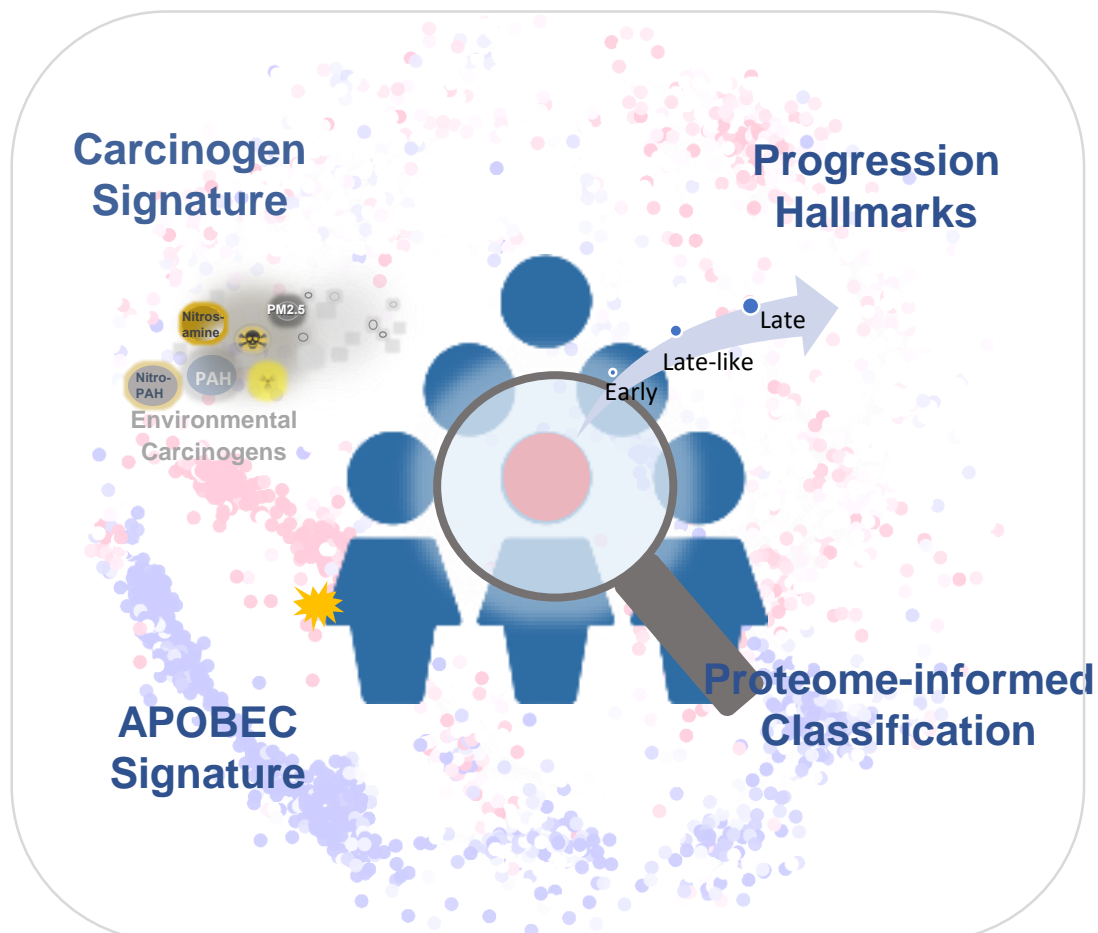
- Development and clinical validation of prediction kits for highly recurrent early stage lung cancer patients and immunotherapy-companion diagnosis with LDTS
- Early screening prediction of lung cancer
- Mass spectrometry detection of thyroglobulin (Tg)

### Advantages

- Comprehensive cancer proteogenomic landscape for patients of East Asia

### Patent status

- Proteomic classification for early stage lung adenocarcinoma (*In Application*)
- Somatic mutational signatures for early detection of lung adenocarcinoma (*In Application*)



## 計畫成員 Member



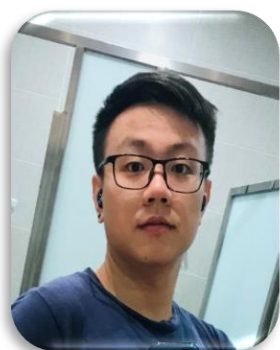
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