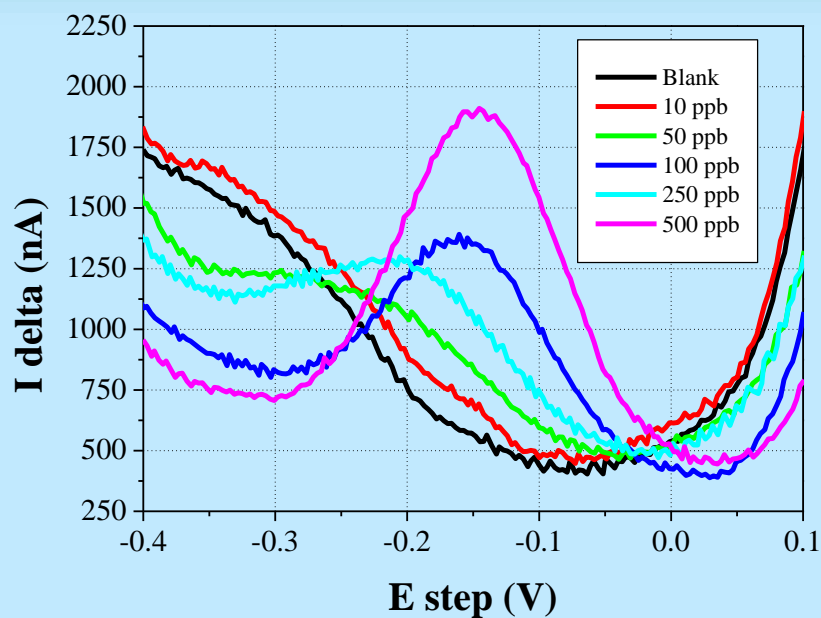


Heavy Metal Sensor

Pb



▲ Square Wave Voltammetry

| Pb conc. (ppb) | Peak Height (nA) |
|----------------|------------------|
| 0 | 631.53 |
| 10 | 759.97 |
| 50 | 864.49 |
| 100 | 1072.27 |
| 250 | 1425.50 |
| 500 | 1968.87 |

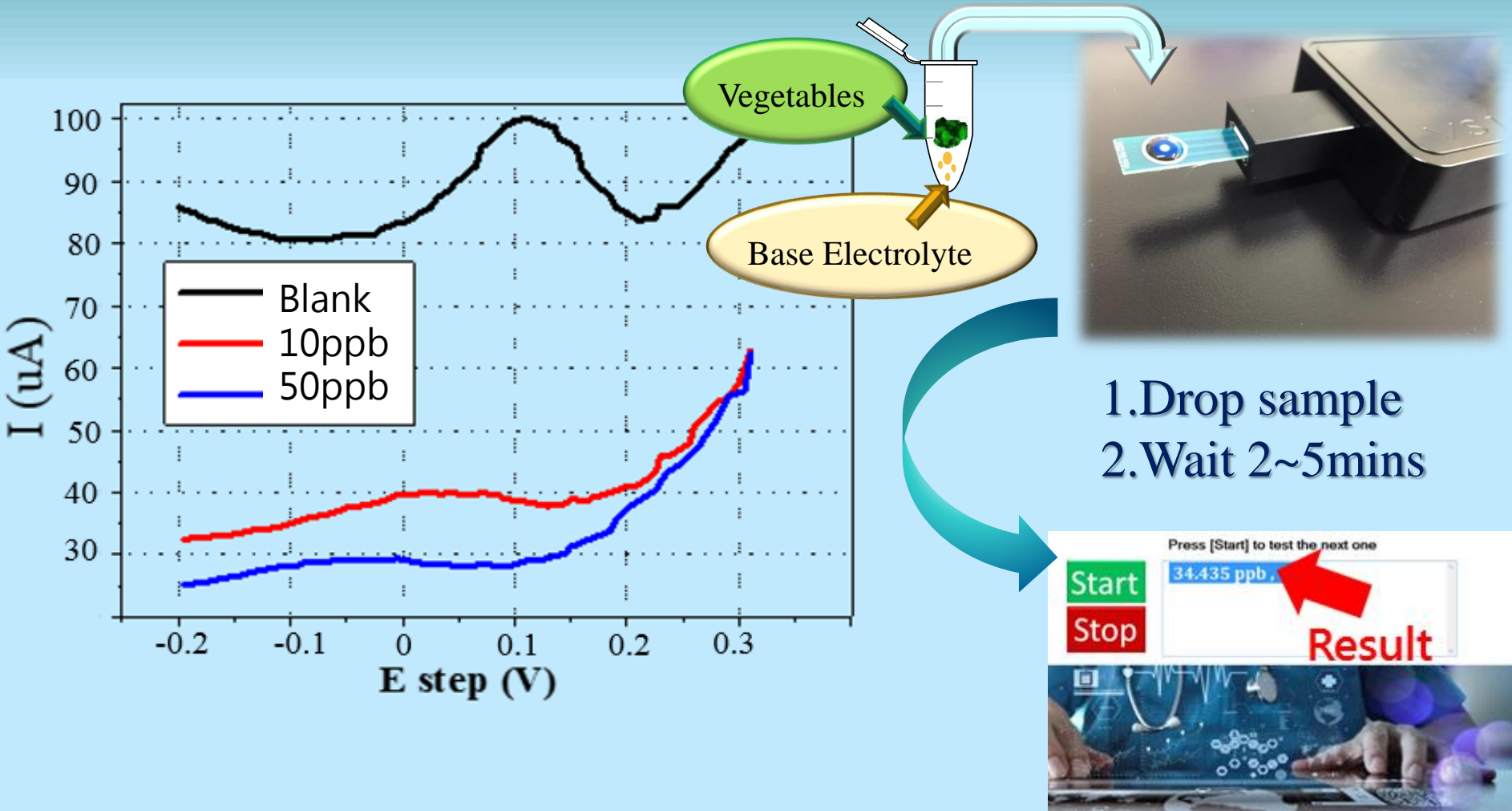


Dilution with 10mM electrolyte

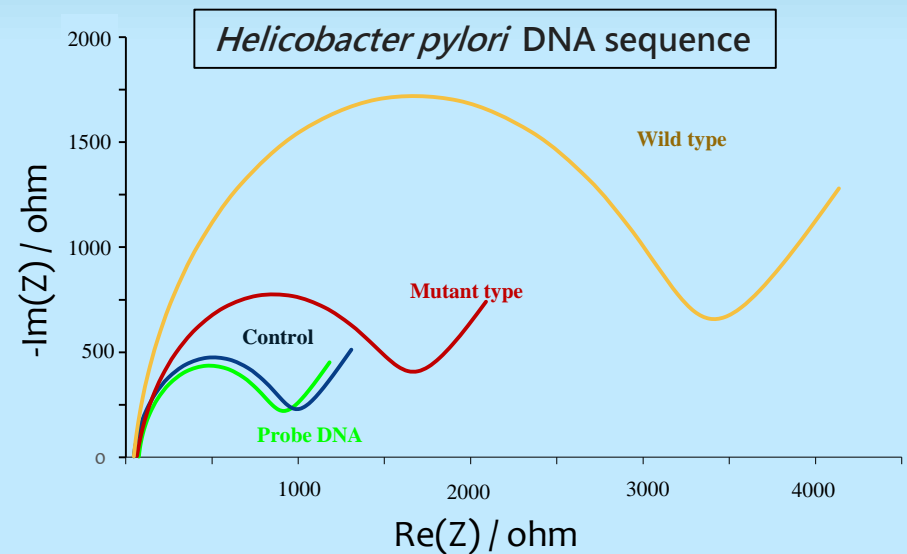
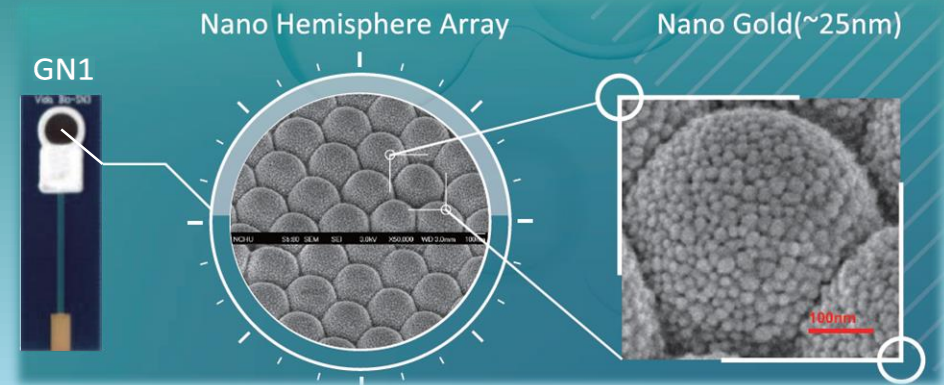
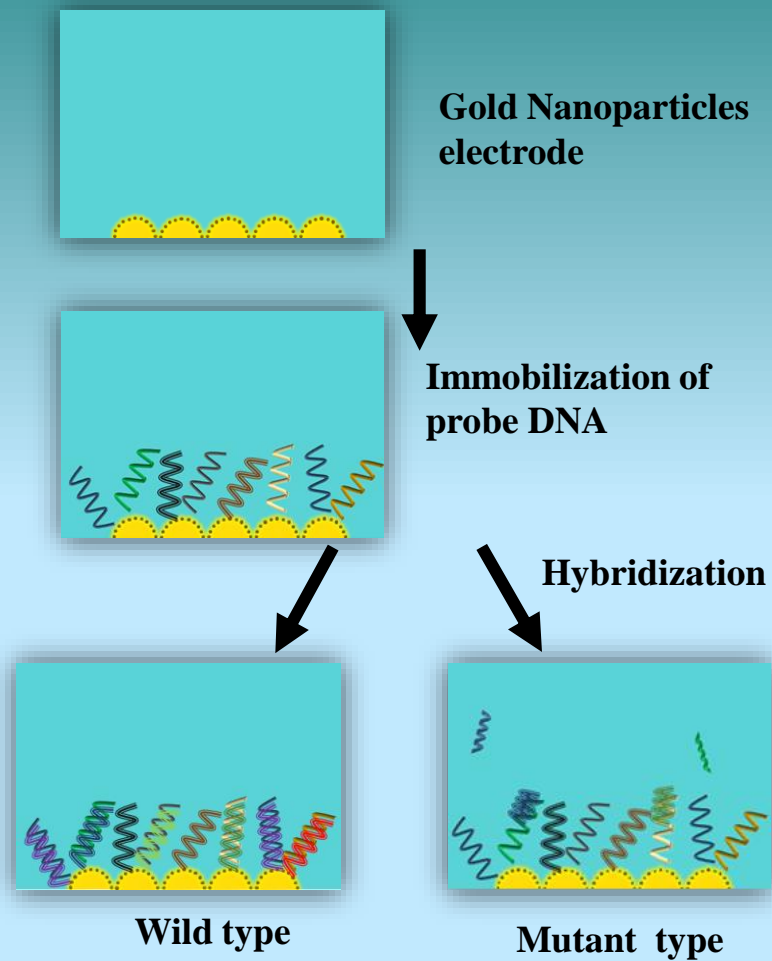


Vida Bio G3-S

Pesticide Sensor

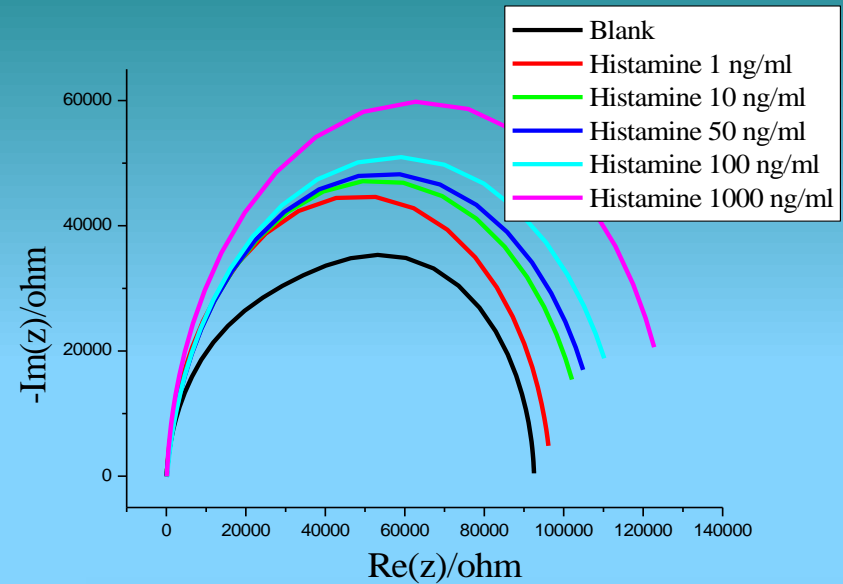
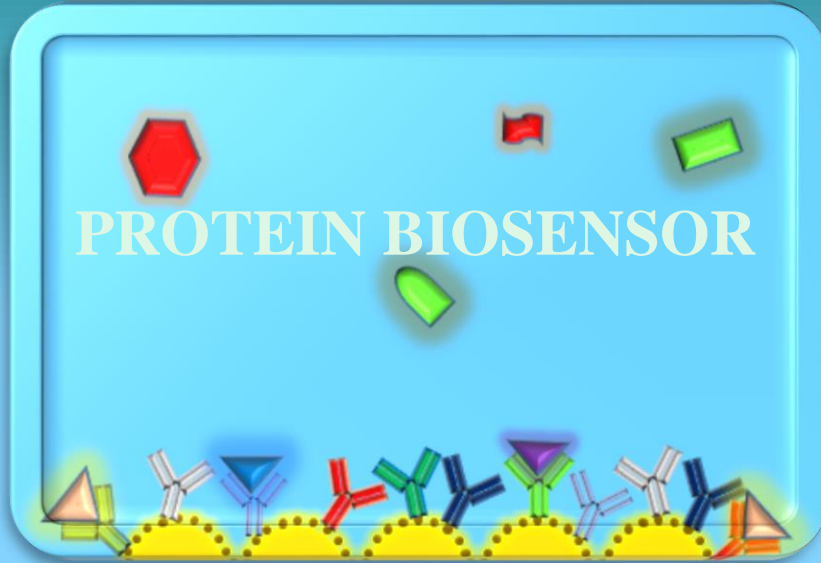


Gold Nanoparticles DNA Sensor



▲ Electrochemical Impedance Spectroscopy

Gold Nanoparticles Immunosensor



Reference:

Wu, Chia-Che, et al. "Electrochemical impedance spectroscopy analysis of A-beta (1-42) peptide using a nanostructured biochip." *Electrochimica Acta* 134 (2014): 249-257.

Liu, Yi-Fen, et al. "Detection of allergies using a silver nanoparticle modified nanostructured biosensor." *Sensors and Actuators B: Chemical* 171 (2012): 1095-1100.

