



Client is in the semiconductor industry by developing strategic competencies, innovative technologies and intellectual property; enabling enterprises to be technologically competitive; and cultivating a technology talent pool to inject new knowledge to the industry.

BIOELECTRONICS PROGRAMME

Senior Research Engineer - Biophotonics

This position is responsible for the characterization of a silicon-based photonic device for drug screening application.

Responsibilities:

The key responsibility will include surface functionalization and biochemistry experimental characterization for the integrated system and target on small molecular interaction, low affinity bonding assay development.

Requirements:

- PhD degree in biochemistry, chemistry, analytical chemistry or relevant area
- Good knowledge and track recorder on the drug screening assay development, especially strong experience in molecular assay development
- Good knowledge for the molecular interactions, such as high affinity or low affinity binding events
- Experience in assay development for novel biosensors, especially label-free photonic biosensors, Raman spectroscopy or surface plasmon resonance) would be an advantage
- Hands-on experience on microfluidics and surface chemistry modifications in silicon devices would be a considered plus
- Knowledge of silicon-based device physics would be an advantage
- Excellent communication skills and teamwork with strong self-motivation

Interested candidates are invited to submit your latest updated resume stating your availability of employment, current, achievements and expected salary to Adrian Collin Png at: adrian@collincrawford.com