

JOB DESCRIPTION

Designation	Research Assistant (TP Career Kickstarter)
School/Department	School of Applied Science / Centre for Complementary Health Products (CCHP)
Number of Position	1
Duration	12 months

Key Responsibilities
<ul style="list-style-type: none"> Conduct laboratory-based research in areas such as bioactive compound analysis, pharmacokinetics, and stability studies. Perform routine and advanced mammalian cell culture work (e.g., Vero, HepG2, RAW 264.7 cells), including passaging, cryopreservation, and mycoplasma testing. Conduct virus infection models (e.g., dengue, influenza) under appropriate biosafety levels to assess antiviral activity of natural compounds. Evaluate the effects of herbal extracts and compounds on biological pathways (e.g., NF-κB, Nrf2, MAPK) using molecular and biochemical techniques. Operate in a BSL-2 laboratory following biosafety and aseptic techniques. Supervise and train student interns or project students in cell biology techniques. <p>Projects</p> <ul style="list-style-type: none"> TPIH/PCP/24/98 Develop a novel in vitro model of Human Chondrocytes and screening new biomarkers to evaluate the efficacy of health supplements TPIH/SCP/25/02 Study on the Correlation of Total Phenolic Content and Non-Peroxide Antibacterial Activity in Stingless Bee Honey TPRF Project <i>In-vivo and in-vitro</i> safety and efficacy of herbal remedy against dengue

Prerequisites
<ul style="list-style-type: none"> Qualification in suitable disciplines including Medical Biotechnology, or relevant elective such as translational biological research. Good interpersonal skills with the ability to collaborate across teams. Analytical thinking with attention to detail. Able to manage multiple priorities and meet deadlines. Positive attitude and willingness to learn. Able to work independently with minimal supervision when required.