School of Science and Health

HDR Projects 2014

TITLE OF PROJECT: Anticancer actions of Chinese herbal medicines
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CAMPUS/S PROJECT IS OFFERED AND CONDUCTED: Campbelltown

BACKGROUND (200 WORDS):
Cancer is a leading cause of death in many countries. There is a need to develop new therapies to improve the treatment outcomes. Chinese herbal medicines have been widely used by cancer sufferers around the world. The objective of this project is to study the anti-cancer actions of Chinese herbal medicines to understand their actions and mechanisms for potential clinical applications.

AIM OF STUDY: The project will investigate the anticancer actions of Chinese herbal medicines in vitro and in vivo

METHODS:

Extraction and characterization
Involving making herbal extracts and conducting relevant chemical analysis.

In vitro and cell studies
Involving determining the anticancer activities of the herbal extracts in cultured cells, and to study possible mechanisms.

In vivo studies
Involving determining the anticancer activities of herbal extracts in animals, and to study possible mechanisms.

Pilot clinical trial
A pilot clinical trial may be conducted.

ETHICS APPLICATION REQUIREMENTS: N/A

KEY REFERENCES: