



The Institut Pasteur in Cambodia (IPC) provides an internship of practical experience leading to a Master or DES thesis, under supervision of IPC researchers.

Title of project: Iron in dry bean in Phnom Penh markets

Supervisor at IPC, and contact:

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Duration: 4 months from 1st January 2016 until 30 April March 2017

Eligibility:

Applicants should be at least in second year of a Master's program or in third year of DES program from the University of Health Sciences (UHS), Royal University of Agriculture (RUA), Royal University of Phnom Penh (RUPP) and Institut of Technology of Cambodia (ITC).

How to apply:

Applicants have to send a CV, motivation letter, 1 recommendation letter, including one from Director of Master's or DES program, and academic results to respective IPC supervisor.

Selection procedure:

Applicants will be selected based on their application documents and interview. Uncompleted application documents will not be considered.

Desired submission date:

Before 1st December 2016

Brief description of objectives, methodology and expected outputs:

Context

High in protein and easy to digest, soy beans and other cereals has long been important in Asian diets. But by the last decade in Cambodia it was stagnant or declining in the culture of soy bean and other cereals.

Iron deficiency that causes iron deficiency anaemia is the most common micronutrient deficiency in this country. However, some studies performed in Cambodia prior to beginning the food fortification project, found that many Cambodians surveyed 60% had heard of iron fortified existed in some local products

The aim of the current study was to determine the iron content in several beans/ cereals, including most commonly beans consumed by Cambodian people (soy bean, green bean, black bean) that could promote for usage as the food fortification for Cambodian children.

Objective

The main objective is to conduct a study to research iron contents in beans/ cereals collected in Phnom Penh markets.

Method

To achieve these goals, 90 samples from principal Phnom Penh markets (15 samples for each cereal variants) will be tested in the study period to assess iron contents.

Expected results:

This project will determine the quantity of iron in variants of cereals in Cambodia, to compare the percentage of iron in each variants. And to promote the usage of these cereals for the food fortification to anemiac children.

Reference:

1. National Institute of Statistics and the Directorate General for Health."Cambodia Demographic and Health Survey."Survey. September, 2011.
2. "Anaemia." *World Health Organization Health Topics* . 2013. The World Health Organization. 25 March 2013.
3. National Institute of Public Health. "Baseline Survey for Iron Fortification of Fish Sauce, Soy Sauce and Vitamin A Fortification of Oil Program in Cambodia." Survey. May 2012.