FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
Terms of Reference for Intern *

Name:			
Job Title:**	Genetics and Molecular Biology		
Division/Department:	Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture (AGE)		
Programme/Project Number:			
Duty Station:	Seibersdorf, Austria		
Expected Start Date of Assignment:	1 March 2019	**Duration:**	11 months
Reports to:	***Name:*** Mr Qu Liang	***Title:***	Director AGE

* Please note: If this TOR is for Consultant / PSA.SBS contract, the minimum relevant experience required **for the assignment** is as follows:
1 year for a category C 5 years for a category B 12 years for a category A

** Please enter a short title (max 25 chars) for this assignment.

GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

1. Isolation of mutations (through screening of natural and/or laboratory populations, EMS- or irradiation-induced mutagenesis) and establishment of mutant lines towards the development of genetic sexing strains for sterile insect technique (SIT) targeted tephritid pest species.
2. Genetic analysis of the mode of inheritance of the isolated mutations.
3. Quality control analysis of the established mutant lines.
4. Rearing of tephritid fruit fly lines required for the above experiments.

KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
Successfully undertake in a timely manner the duties as set out above.	As required by the supervisor and by the end of the contract.