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

Name:			
Job Title:**	Molecular Diagnostician/ Molecular Biologist		
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 September 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

Under the scientific guidance and the supervision of the Head of the Animal Production and Health Laboratory (APHL), and professional staff, the incumbent will participate in:

- Familiarize with the genetic analysis and molecular characterisation of animal viruses, with emphasis on African swine fever virus isolates from various geographical origins
- Assist in the analysis various African swine fever virus isolate to determine their serogroup using molecular based approaches.
- Familiarize with virus isolation techniques, with focus on the adaptation of African swine fever virus to cell lines derived from macrophages
- To assist professional and technical staff in the developing of a pipeline to sequence the full genome sequencing and analysis of African swine fever virus from clinical material.

KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
Successfully undertake in a timely manner the duties as set out above. • To become familiar with gene sequencing technology and data analysis of animal viruses. • To become familiar with and assist professional staff in performing bioinformatics analysis of virus genetic data. • To contribute in African swine fever virus sero-grouping (i.e. Serogroup of 20 ASFV isolates established) • To contribute to the development of 1 standard operating procedure on the adaptation of ASFV to swine macrophage cell line •	As required by the supervisor and by the end of the contract.