OFFLU virtual SIV group meeting

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Update on Swine influenza in Africa

Update on of swine influenza in Africa

- **Exposure of domestic swine to influenza A viruses in Ghana suggests unidirectional, reverse zoonotic transmission at the human–animal interface (Ghana)**- Ayim-Akonor *et al*. 2020
- IAV was detected in 1.4% (n = 17/1,200) and 2.0% (n = 2/99) of swine and farmers samples, respectively
- Viral subtypes H3N2 and H1N1pdm09 were found in human samples
- All virus–positive swine samples were subtyped as H1N1pdm09 phylogenetically clustering closely with H1N1pdm09 that circulated among humans during the study period

Update on of swine influenza in Africa

- **Recent Swine influenza sequences deposited in Genbank- Ijomanta et al. (Nigeria) -**
- A/swine/Nigeria/NG-SW26_19RS1081-19/2017_HA MN540838
- A/swine/Nigeria/NG-SW26_19RS1081-19/2017_MP MN540839
- A/swine/Nigeria/NG-SW26_19RS1081-19/2017_NA MN540840
- A/swine/Nigeria/NG-SW26_19RS1081-19/2017_NP MN540841
- A/swine/Nigeria/NG-SW26_19RS1081-19/2017_NS MN540842
- A/swine/Nigeria/NG-SW26_19RS1081-19/2017_PA MN540843
- A/swine/Nigeria/NG-SW26_19RS1081-19/2017_PB1 MN540844
- - Ijomanta Jerry (Researcher)

Update on of swine influenza in Africa

- Fulbright African Research Scholar Program (ARSP) project-
  - Host: Professor Marie Culhane
  - Visiting Researcher: Dr. Clement Meseko
  - Project: Development of Antigenically Matched Autogenous Vaccine for the Control of Swine Influenza Virus in Nigeria

  - ***Opportunity for virus isolation and characterisation from recent field samples from Nigeria***