**Meeting Minutes**

**NC-229. Title:** **PRRSV and other emerging viral diseases of swine**

**Period Covered: December 2 2018 to November 2, 2019**

**Date for This Report to be submitted to NIMSS: January 2, 2020**

**Annual Meeting Date: November 2, 2019**

**Participants:**

The following stations were represented at the meeting:

Eric Nelson South Dakota State U. (SDSU); eric.nelson@sdstate.edu

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**Brief summary of minutes of annual meeting**:

The 2019 NC229 meeting was held on the afternoon of November 2, 2019, at the Marriot Downtown Hotel in Chicago Illinois. Meeting attendance exceeded 100 persons and participating stations and the meeting Agenda is shown in Table 1 (see above). The business meeting centered on the topics noted below:

1.Following the announcement of Dr. David Benfield’s retirement, Dr. Fernando Osorio was named the next administrative AA. Dr. Benfield was felicitated, followed by Dr. Peter Johnson, who also retired this year.

2.Dr Sheela Ramamoorthy (NDSU) rotated from the vice-chair to the chair position. Dr. Roman Pogranichny (KSU) was nominated and elected Vice-Chair, Dr. Pablo Pineyro (ISU) as secretary and Dr. Hiep Vu as board member-at-large. It was proposed that a rotating term of 2 years in service be followed for the executive board members so that there is more representation from the stations in the leadership team.

3.The members were updated about the successful renewal of the project for the next years and Dr. Fernando Osorio’s was applauded for his outstanding contribution and leadership towards the effort.

4.Dr. Dan Rock was recognized for his leadership as the out going chair of NC229. Drs. Ramamoorthy and Fang (co-chairs) and the NC229/ NA PRRS joint scientific program committee members were recognized for their outstanding efforts in organizing the scientific program.

5.The current structure of conducting the NC229 scientific session within the umbrella of the NA PRRS symposium and CRWAD organizational mechanism was explained to the audience. Members were requested to contact Dr. Ramamoorthy with any suggestions regarding the meeting format, collaborative efforts or directions for the group.

6.The technical session which consisted of selected oral presentations from abstract submissions to the NA PRRS symposium was held on Saturday, Nov 2nd (Table 1)

**Table 1:**

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|  | Program: NC 229 scientific session |
|  | Saturday November 2, 2019 |
| 1:30-5:00 | Invited talks and presentations from selected submitted abstracts.  Organized by NC-229  Moderators: Scott Kenny, Ohio State University; and Sheela Ramamoorthy, North Dakota State University |
|  | Selected abstract talks: |
| 1.30-1.45 | 51128-Fangfeng Yuan, Development and characterization of monoclonal antibodies against African Swine Fever virus |
| 1.45-2.00pm | 50424-*Salik Nazki*, “Local immune responses play a vital role in PRRSV clearance from infected pigs” |
| 2.00-2.15pm | 50547-*Kyu-Sang Lim*, “Single-cell RNA-sequencing to identify transcriptional signatures in a PRRSV persistent cell line” |
| 2.15-2.30pm | 51184-Levon Abrahamyan, Global profiling of nidovirus–host protein interactions by comparative proteomics (PEDV and PRRSV) |
| 2.30-2.45pm | 50448-*Ryan Jeon*, Effect of genotype at a GBP-5 marker on resilience to a polymicrobial natural disease challenge in pigs |
| 2.45-3.00pm | 51137-Adthakorn Madapong, Efficacy of type 1 PRRSV MLV against HP-PRRSV or co-challenge with PRRSV1 when vaccinated via IM or ID in pigs |
| 3.00-3.30pm | Break |
| 3.30-3.45pm | 50421-*Hepzibar Clilverd*, “Characterization of PRRSV-1 transmission routes in an endemic farm identifies conserved phylogenetic clusters” |
| 3.45-4.00pm | 50864-Alex Pasternak, The Fetal immune response following PRRSV2 challenge of third-trimester gestating gilts |
| 4.00-4.15pm | 50591-*Carolina Malgarin*, “PRRSV-infected fetuses show evidence of hypoxia and apoptosis” |
| 4.15-4.30pm | - Lilla Dénes, Detection of atypical porcine pestivirus (APPV) by in situ hybridization and electron microscopy in the brain tissues of CT affected piglets |
| 4.30-5.00pm | NC229 business meeting |
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| 5:30-7:30 | Special reception and poster session |