









***GROUP 2***









**ARE BIG BLUESTEM PLANTS LOCALLY MATCHED TO THEIR SOIL MICROBES  
ACROSS A PRECIPITATION GRADIENT?**

**Eli Hartung**





**FIRST TIME DETECTION OF BROME MOSAIC VIRUS ASSOCIATED WITH  
OTHER WHEAT VIRUSES IN KANSAS WHEAT USING NANOPORE SEQUENCING**

**Nar B. Ranabhat<sup>1</sup>, John P**







**AGE-ASSOCIATED MICROBIAL STABILITY AND VOLATILITY SHAPE THE GUT**









**GROUP 3**

**15**

**INVESTIGATING THE EFFECTS OF NUCLEAR RADIATION ON ADDITIVELY  
MANUFACTURED PARTS**

**Mohanish Andurkar<sup>1</sup>, Bart Prorok<sup>2</sup>, ValkaD 9(O'FF)1DonnD**

**ARTIFICIAL NEURaA5(LT)-2L NTP (T)-2O PETTRa4(CTIOP)-3N6**

**SUSTAINABLE RECOVERY OF VOLATILE FATTY ACIDS FROM SWINE  
WASTEWATER**

**Priyasha Fernando** and Prathap Parameswaran

**AUTOMATIC RISKY TACKLE DETECTION FROM AMERICAN FOOTBALL  
PRACTICE VIDEOS USING DEEP LEARNING**

**Nasik Muhammad Nafi<sup>1</sup>, Scott Dietrich<sup>2</sup>, and William Hsu<sup>1</sup>**

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**BACKGROUND AND PURPOSE:**















**CAN VIRTUAL REALITY BE USED TO TEST OLDER ADULTS ON DAILY  
ACTIVITIES PERFORMANCE?**

**Cris Kauer Brazil** and Malgorzata J. Rys

*Department of Industrial*





