

# PMI 214 Notes

Sam Fleischer - Speaker: Greg Lanzaro (UC Davis)

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- Bluetongue is endemic in North America
- From Southern Africa
- Vaccine development started in 1902
- McKercher (UC Davis) found Bluetongue in UC Davis
- generally not contagious
- Vector is a midge
- Cattle amplify the virus, sheep get sick
- segmented genome (very heterogeneous)
- policy cost the US billions - the ONLY thing that came out of Africa was diagnostic technology. To this day, US can't export live animals because of bluetongue, but the paradox is that it's already global
- 30 species of Culicoides are vectors for bluetongue
- climate change predicted bluetongue in Spain.. but not France/Germany/etc. But today it's in Norway and Sweden!
- NAFTA is based on bluetongue?!?!?!  
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