

# Biosciences WG

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PRAGMA 27

# Summary – Day 1

- What projects the PRAGMA biosciences group are currently working on and what are they interested in pursuing?
  - Science Community Laboratory, Thanh Truong
    - Crowdsourced virtual screening
    - Scalability problem
  - Infectious Disease Bioportal, Nor Arlina Amirah
    - Big data integration, processing, user access
  - SimFlu, Insung Ahn
    - Big data integration, processing, user access
  - ASTI, Jelina Tetangco
    - Need to find users

# Summary – Day 2

- Should Biosciences refocus its scientific expedition or integrate projects into existing expeditions?
  - Proteomics
    - Virtual screening/drug discovery
    - Helping to drive resources on PRAGMA-ENT
    - Educational tool, clear link to cyberlearning
  - Genomics
    - Pipeline workflows
    - Infectious disease portals
    - Clear link to biodiversity
- What is practically possible, with a focus on funding sources for participants and their ability to participate?
  - Issues
    - Advantage – PRAGMA-ENT is breakable
    - Disadvantage – PRAGMA-ENT is breakable
    - Need more crosstalk with other groups
    - Genomics is a very large field, we need to be focused
    - Need more genomics domain scientists to develop roadmap

To be continued in Nara...

# Questions

- What projects the PRAGMA biosciences group are currently working on and what are they interested in pursuing?
  - Is there anything that can be sustained in biosciences with the members and what is the common issue for them?
- Should Biosciences refocus its scientific expedition or integrate projects into existing expeditions?
  - This depends on interest and ability to follow-through.
  - If we create an entirely new expedition, then we need to define the projects/goals/common issues.
  - If we integrate with existing expeditions, then how can the projects tie-in with the other expeditions?
- What is practically possible, with a focus on funding sources for participants and their ability to participate?
- Can we provide virtual screening as a service for other biologists?
  - Great driver for virtualized network and machines and it leverages on past experience, but is this sustainable and who would use it?
  - Genomics as a driver?