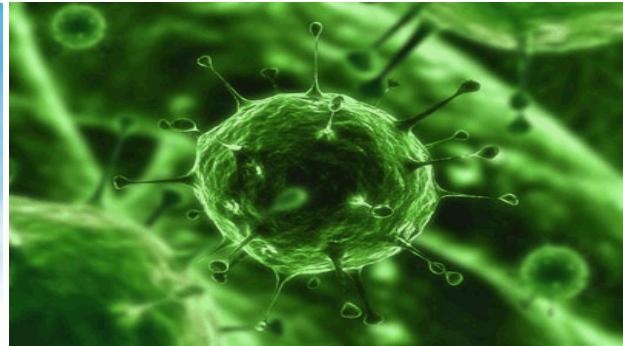


*Exceptional service in the national interest*



# FARM

Levi Lloyd and Ken Chiang

# Malware is a problem

- Exponential growth in the number of malicious files
- Limited analyst resources available
- Sensitivities around malware infections make sharing and collaboration difficult
- Researchers need access to malware and analysis results to develop tools



# FARM to the rescue

- Forensic Analysis Repository for Malware
  - Scalable
  - Static and dynamic analysis
- Saves time and resources
  - Automates much of the malware analysis
  - Speeds up incident response and malware triage
  - Uncovers relationships between malware files
- Promotes information sharing
  - Users from different organizations can share malware files and analysis results
  - Hash-based reputation database
- Easy to integrate with other tools



# Ongoing Research

- Clustering
- Similarity Detection
- VM introspection for dynamic analysis
- Generic Unpacking
- Mobile malware analysis

