



Cold Spring Harbor Laboratory



Meetings

Courses

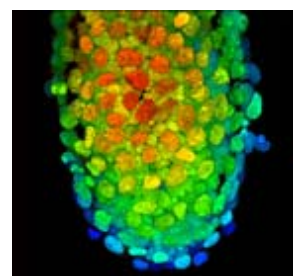
Workshop on
Infectious Disease
Ontology

Workshop on Infectious Disease Ontology Detailed Curriculum

The workshop will comprise six sessions:

September 19, 2007:

- **9:00am to 12:30pm - Background Session 1:**
Introduction to immunology and infectious disease, designed to give an overview of the domain, especially for informatician and ontologist participants.
 - Components of the Immune System
 - Induction of an Immune Response
 - Types of Pathogens and Types of Immune Responses
 - Pathogen Tactics for Evading the Immune Response
 - Focus Session on Bacterial Pathogenesis
- **2:00pm to 5:30pm - Background Session 2:**
Introduction to the principles of ontology development.
 - What is an ontology?
 - What are ontologies useful for in biomedicine?
 - Success Stories.
- **7:00pm to 9:00pm - Background Session 2 continued.**
 - How do we begin to create an ontology of the infectious disease domain?
 - Example - *Staphylococcus aureus* infection



September 20, 2007:

- **9:00am to 12:30pm - Practice Session 1:** Ontology development in small groups given the task of creating an ontological representation of relevant subdomains (e.g. components of the immune system, processes constituting an immune response, processes of bacterial pathogenesis).
- **2:00pm to 5:30pm - Practice Session 2:** All attendees will work together to integrate the ontologies created in Practice Session 1 to create a single representation of the larger domain.
- **7:00pm to 9:00pm - Practice Session 3:** This session

5/8/2010

Detailed Curriculum for CSHL Worksho...

will focus on critical analysis and on surveying the uses to which the ontology can be put and the next steps in its development.

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