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Phenotype RCN



Welcome

The Phenotype Ontology Research Coordination Network (RCN) was funded by NSF to establish a network of scientists who are interested in comparing phenotypes across species and in developing the tools and methods needed in making this possible.

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RCN meeting, 23-25 February 2012

Presentations

[RCN Introduction](#) (Paula Mabee)
[Introduction to Ontologies](#) (Gary Merrill)
[Introduction to Anatomy ontologies](#) (Melissa Haendel)
[The PATO ontology](#) (George Gkoutos)
[Phenotype annotation and representation](#) (Jim Balhoff)
[Reasoning and ontologies](#) (Sue Rhee)
[Reasoning and ontologies](#) (Chris Mungall)
[Human disease](#) (Monte Westerfield)
[Phenoscape](#) (Paula Mabee)
[Biodiversity](#) (Andy Deans)

Phenotype RCN meeting agenda

23-25 February 2012

National Evolutionary Synthesis Center, Durham, NC

Thursday, Feb. 23, 2012

8:00 am: Shuttle to NESCent from Marriott
 8:15: Continental breakfast at NESCent
 8:45 – 9:30: Introductions and welcome from NESCent and RCN PIs
 9:30 – 10:30: Introduction to Ontologies (Gary Merrill)
 10:30 – 10:45: Coffee break
 10:45 – 11:15: Introduction to Anatomy ontologies (Melissa Haendel)
 11:15 – 12:45: Hands-on exercises:
 • Natural language annotation exercise
 • Anatomy ontology building exercise

12:45: LUNCH

2:00 – 2:30: Phenotype annotation and representation (Jim Balhoff)
 2:30 – 3:00: The PATO ontology (George Gkoutos)
 3:00: Hands-on annotation exercise (small groups)
 4:15: Coffee break
 4:45: Annotation outcome (Jim Balhoff)
 5:00: Panel discussion (Suzanna Lewis): What are the challenges?
 6:00: Shuttle back to hotel
 7:00: Dinner

Friday, Feb. 24, 2012

8:00 am: Shuttle to NESCent from Marriott

8:15: Continental breakfast at NESCent (upstairs)
9:00: Reasoning and ontologies (Sue Rhee)
9:30: Reasoning and ontologies (Chris Mungall)
10:00: Examples of reasoning: Human disease (Monte Westerfield); Phenoscape (Paula Mabee); Biodiversity (Andy Deans)
10:30: Coffee break
11:00: Problem-focused breakout groups
12:30 pm: LUNCH; Advisory Board meeting
2:30: Birds of a feather breakout groups
4:00: Coffee break
4:30: Report-out from breakout groups
5:00: Cocktail hour
6:00: Shuttle back to hotel
7:00: Group Dinner at Pop's

Saturday, Feb. 25, 2012

8:00 am: Shuttle to NESCent from Marriott
8:15: Continental breakfast at NESCent
9:00 – 10:30: Next steps & Collaborative breakout groups
10:30 – 11:00: Coffee break
11:00: Synthesis and discussion
12:00 pm: Meeting ends; Airport shuttles

The Phenotype Ontology RCN (<http://phenotypercn.org>) was funded by NSF to establish a network of scientists who need to use or develop phenotype ontologies. In contrast to the many well-established ontologies in the molecular community, the representation of morphology, behavior and other phenotypic traits using ontologies is in its infancy. Such ontologies, however, have the potential to integrate phenotype with data across all levels of the biological hierarchy. This RCN is building a community that, because of its domain expertise, sets the standards and best practices for the development of phenotype ontologies and a vision for their utility.

The main focus of this meeting will be introduce and establish communication between scientists from several different research backgrounds including comparative evolutionary biologists, model organism biologists, applied scientists, and ontology developers and logicians. We will be introducing concepts involved in developing and coordinating ontologies as well as ontology annotation.

Phenotype RCN PIs:

Paula Mabee (pmabee@usd.edu)
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Andy Deans (andy_deans@ncsu.edu)
Suzanna Lewis (suzi@berkeleybop.org)

Posted by eriksegerdell at 9:18 pm