



KR-MED 2006

International Workshop - November 8, 2006 in Baltimore, MD, USA

Biomedical Ontology in Action



PROGRAM

8:30 am Registration and Continental Breakfast

9:00 am Welcome Address

Session I (Chair: Stefan Schulz)

9:15 am Keynote Address

Desiderata for Biomedical Ontology Research: Friendly Suggestions from an Interested Consumer
Betsy L. Humphreys, Deputy Director · National Library of Medicine

10:15 am **Registration in Practice: Comparing Free-Text and Compositional Terminological System Based Registration of ICU Reasons for Admission**

Nicolette de Keizer, Ronald Cornet, Ferishta Bakhshi-Raiez, Evert de Jonge

10:45 am Morning Break

11:15 am **Binding Ontologies & Coding Systems to Electronic Health Records and Messages**

AL Rector, R Qamar, T Marley

11:45 am **Using Ontology Graphs to Understand Annotations and Reason about Them**

Mary E. Dolan, Judith A. Blake

12:05 pm **An Online Ontology: WiktionaryZ**

Erik M. van Mulligen, Erik Möller, Peter-Jan Roes, Marc Weeber, Gerard Meijssen, Barend Mons

12:25 pm An Overview of Poster Presentations

12:30 pm Buffet Lunch (and Poster Presentations)

Session II (Chair: Lowell Vizenor)

2:00 pm **"Lmo-2 interacts with elf-2" On the Meaning of Common Statements in Biomedical Literature**

Stefan Schulz, Ludger Jansen

2:30 pm **The Qualitative and Time-Dependent Character of Spatial Relations in Biomedical Ontologies**

Thomas Bittner, Louis J. Goldberg

3:00 pm **Towards a Reference Terminology for Ontology Research and Development in the Biomedical Domain**

Barry Smith, Waclaw Kusnierczyk, Daniel Schober, Werner Ceusters

3:30 pm Afternoon Break (and Poster Presentations)

Session III (Chair: Ronald Cornet)

4:00 pm **LinKBase®, a Philosophically-Inspired Ontology for NLP/NLU Applications**

Maria van Gurp, Manuel Decoene, Marnix Holvoet, Mariana Casella dos Santos

4:30 pm **The Development of a Schema for the Annotation of Terms in the Biocaster Disease Detecting/Tracking System**

Ai Kawazoe, Lihua Jin, Mika Shigematsu, Roberto Barerro, Kiyosu Taniguchi, Nigel Collier

4:50 pm **BioFrameNet: A Domain-Specific FrameNet Extension with Links to Biomedical Ontologies**

Andrew Dolbey, Michael Ellsworth, Jan Scheffczyk

5:10 pm Closing Remarks

Poster Presentations:

A CPG-Based Ontology Driven Clinical Decision Support System for Breast Cancer Follow-Up

Samina Raza Abidi

Inferring Gene Ontology Category Membership via Gene Expression and Sequence Similarity Data Analysis

Murilo Saraiva Queiroz, Francisco Prosdocimi, Izabela Freire Goertzel, Francisco Pereira Lobo, Cassio Pennachin, Ben Goertzel

Experience with an Ontology of Pediatric Electrolyte Disorders in a Developing Country

Vorapong Chaichanamongkol, Wanwipa Titthasiri

Issues in Representing Biological and Clinical Phenotypes Using the Formal Models

Ying Tao, Chintan Patel, Carol Friedman, Yves A. Lussier

WORKSHOP ORGANIZED BY:

The Formal (Bio-)Medical Knowledge Representation Working Group of the American Medical Informatics Association
AND

The National Center for Ontology Research (NCOR)

CO-SPONSORED BY:

The American Medical Informatics Association (AMIA)