

Wednesday 13th September, 2017

	Aiden	Bede	Newgate	Le Rivage
08:30 onward	Registration			
09:00 - 10:30	Vaccine and Drug Ontology Studies (VDOS)	Workshop on Oncology and Ontology (ONCONTO)	2nd Workshop on Representing Social and Legal Entities in the Biomedical Domain	ONTOEDIT
10:30 - 11:00	Coffee Break			
11:00 - 12:30	Vaccine and Drug Ontology Studies (VDOS)	Workshop on Oncology and Ontology (ONCONTO)	2nd Workshop on Representing Social and Legal Entities in the Biomedical Domain	ONTOEDIT
12:30 - 14:00	Lunch			
14:00 - 15:30	Cells in Experimental Life Science (CELLS)	Ontologies at large - practical introduction to the EMBL-EBI ontology tools and services for data annotation	OBO Tutorial	ONTOEDIT
15:30 - 16:00	Coffee Break			
16:00 - 17:30	Cells in Experimental Life Science (CELLS)	Ontologies at large - practical introduction to the EMBL-EBI ontology tools and services for data annotation	OBO Tutorial	ONTOEDIT
18:00	OntoHappening @ The Bridge Hotel			

## Thursday 14th September, 2017

**08:30 onward Registration**

**09:00 - 09:10 Opening Session**

**09:10 - 10:10 Keynote Address**

Format Wars by James Malone

**10:10 - 10:40 Coffee Break**

**10:40 - 11:55 Paper Session A**

1. Scrutinising the axiomatic basis of SNOMED CT: How confused is it by the ambiguities of the natural language “terms”

Jean Marie Rodrigues, Stefan Schulz and Alan Rector

2. Supporting Ontology-Based Standardization of Biomedical Metadata in the CEDAR Workbench.

Marcos Martínez-Romero, Martin J. O'Connor, Michael Dorf, Jennifer Vendetti, Debra Willrett, Attila L. Egyedi, John Graybeal, and Mark A. Musen

3. Efficient construction of a new ontology for life sciences by subclassifying related terms in the Japan Science and Technology Agency thesaurus

Tatsuya Kushida, Kouji Kozaki, Yuka Tateisi, Katsutaro Watanabe, Takeshi Masuda, Katsuji Matsumura, Takahiro Kawamura and Toshihisa Takagi

**11:55 - 12:30 Poster Flash Talks**

1. OLOBO: A new ontology for linking and integrating open biological and biomedical ontologies

Edison Ong and Yongqun He

2. Errors and Artefacts in Histopathological Imaging

Antony Galton, Shereen Fouad, Gabriel Landini and David Randell

3. The Human Behaviour-Change Project: Developing a Behaviour Change Intervention Ontology

Emma Norris, Ailbhe Finnerty, Marta Marques, Robert West, James Thomas, Pol Mac Aonghusa, Marie Johnston, Michael P. Kelly and Susan Michie

4. Ontology challenges for the stem cell community: towards integrative data mining in the Stemformatics.org stem cell atlas.

Chris Pacheco Rivera, Christine A Wells, Rowland Mosbergen, Othmar Korn and Tyrone Chen

5. Aligning the Human Phenotype and Mammalian Phenotype Ontology using Dead Simple Ontology Design Patterns

Nicole Vasilevsky, James Balhoff, Chris Mungall, David Osum-Sutherland, Sebastian Köhler, Susan Bello, Cynthia Smith, Peter Robinson and Melissa Haendel

6. OxO – a gravy of ontology mapping extracts

Simon Jupp, Thomas Liener, Sirarat Sarntivijai, Olga Vrousitou, Tony Burdett and Helen Parkinson

7. FoodOn: A Semantic Ontology Approach for mapping Foodborne Disease Metadata

Dalia A. Alghamdi, Damion M. Dooley, Gurinder Gosal, Emma J. Griffiths, Fiona S.L. Brinkman and William W.L. Hsiao

8. Extending the Ontology of Physics for Biology with Thermodynamics

Daniel Cook, John Gennari and Maxwell Neal

9. Toward using ontologies to improve results in searches for mental health information

Jonathan Bona, John Grohol, Meredith Zozus, Robert Zozus and Mathias Brochhausen

10. Identitas: A Better Way To Be Meaningless

Nizal Alshammry and Phillip Lord

11. Tawny-SBOL: Using ontologies to design and constrain genetic circuits

Goksel Misirli and Phillip Lord

12. Late-breaking poster – SciBite: turning text into ontologies

Jane Lomax, Aurelien Arena, Michael Hughes, Joe Mullen, Anneli Karlsson, Phil Verdemato, Simon White and Lee Harland

**12:30 - 13:30 Lunch**

**13:30 - 15:40 Paper Session B**

1. Ontology of cancer related social-ecological variables

Dharani K Balasubramanian, Jamillah Khan, Jiang Bian, Yi Guo, William Hogan and Amanda Hicks

2. A Maturity Model for Biomedical Data Curation

Mariam Alqasab, Suzanne M. Embury and Sandra Sampaio

3. Integrating an ontology for RDOC with existing biomedical ontologies

Mark Jensen and Alexander D Diehl

# ICBO 2017

4. BiPOm: Biological interlocked Process Ontology for metabolism. How to infer molecule knowledge from biological process?

Vincent Henry, Fatiha Sais, Elodie Marchadier, Juliette Dibie, Anne Goelzer and Vincent Fromion

5. Classifying Processes and Basic Formal Ontology

Mustafa Jarrar and Werner Ceusters

**15:40 - 16:10 Coffee Break**

**16:10 - 16:45 Workshop Summaries**

1. Vaccine and Drug Ontology Studies (VDOS)

Organisers: Cui Tao, Yongqun He and Sirarat Sarntivijai

2. Cells in Experimental Life Science (CELLS)

Organisers: Sirarat Sarntivijai, Yongqun He and Alexander Diehl

3. 2nd Workshop on Representing Social and Legal Entities in the Biomedical Domain

Organisers: Mathias Brochhausen, Mauricio Almeida, Brian Donohue, Amanda Hicks, William R. Hogan and Barry Smith

4. Oncology Ontology Workshop/ONCONTO 2017

Organisers: Alexander D. Diehl, William Duncan and Carmelo Gaudioso

5. OBO Tutorial

Organisers: James A. Overton and Chris Mungall

6. ONTOEDIT 2017

Organisers: Randi Vita, Nicole Vasilevsky, James A Overton, Matthew Horridge, Marcus Chibucos, Yvonne Bradford, Bjoern Peters, James A. Overton, Chris Mungall, Phillip Lord, Jennifer Warrender, Aisha Blfgeh and Mohammad Halawani

7. Ontologies at large - practical introduction to the EMBL-EBI ontology tools and services for data annotation

Organisers: Simon Jupp, Olga Vrousou, Thomas Liener, Anthony Burdett, Sirarat Sarntivijai and Helen Parkinson

**16:45 - 18:00 Poster & Demo Session**

**20:00 - Late Social Dinner**

A Keralan Banquet at Ury Indian Restaurant

# ICBO 2017

Friday 15th September, 2017

**09:00 - 10:00 Keynote Address**

Against Ontological-Over-Reach: OWL and “Ontologies” are not enough and should be extended, embedded or kept in their place by Alan Rector

**10:00 - 10:30 Coffee Break**

**10:30 - 11:45 Paper Session C**

1. Causation and the River Flow Model of Diseases

Fumiaki Toyoshima, Riichiro Mizoguchi and Mitsuru Ikeda

2. A model for ontology harmonization: Integrating the Ontology for Biomedical Investigations (OBI) into the Evidence & Conclusion Ontology (ECO)

Rebecca Tauber and Marcus Chibucos

3. Similarity Metrics for Determining Overlap Among Biological Pathways

Lucy Lu Wang and John Gennari

**11:45 - 12:30 Short Paper Session**

1. Ontology Development in Patients Information System for Stroke Rehabilitation

Radhi Rafiee Afandi and Waidah Ismail

2. User and Developer Interaction with Editable and Readable Ontologies

Aisha Blfgeh and Phillip Lord

3. A Literature Based Approach to Define the Scope of Biomedical Ontologies: A Case Study on a Rehabilitation Therapy Ontology

Mohammad K. Halawani, Phillip Lord and Rob Forsyth

**12:30 - 14:00 Lunch**

**14:00 - 15:15 Paper Session D**

1. Scrutinizing the relationships between SNOMED CT concepts and semantic tags

Jonathan Bona and Werner Ceusters

2. What is a risk? A formal representation of risk of stroke for people with atrial fibrillation

Adrien Barton, Ludger Jansen, Arnaud Rosier and Jean-François Ethier

3. Facets, Tiers and Gems: Ontology Patterns for the Hypernormalisation

Phillip Lord and Robert Stevens

**15:15 - 15:45 Coffee Break**

**15:45 - 16:45 Discussion Panel**

**16:45 - 17:15 Closing Session**