

BARRY SMITH
Curriculum Vitae • November 23, 2011

Born 4 June 1952 in Bury, England. US citizen

EDUCATION

Oxford University: Degree of BA in Mathematics and Philosophy (First Class Honours), 1973. Converted to MA (Oxon.), 1977.

University of Manchester: Ph.D. in Philosophy, 1976, dissertation entitled: *The Ontology of Reference. Studies in Logic and Phenomenology*, xvi + 477pp. (a study of theories of meaning and reference in Frege and Husserl).

ACADEMIC POSTS

1976–1979 Research Fellow in the Department of Philosophy, University of Sheffield, England
1979–1989 University Lecturer in the Department of Philosophy, University of Manchester, England, with tenure as of 1982
1989–1994 Professor of Philosophy in the International Academy for Philosophy, Liechtenstein
1994– Professor of Philosophy and Member of the Center for Cognitive Science at the State University of New York at Buffalo
1996– Research Scientist, National Center for Geographic Information and Analysis (NCGIA), State University of New York at Buffalo
2000– Julian Park Professor of Philosophy, State University of New York at Buffalo
2004– SUNY Distinguished Professor, State University of New York at Buffalo
2006– Research Scientist, Center of Excellence in Bioinformatics and Life Sciences, Buffalo, NY
2008– Adjunct Professor, Department of Neurology, University at Buffalo
2009– Adjunct Professor, Department of Computer Science and Engineering, University at Buffalo

VISITING POSTS

1984–1985 Humboldt Fellow, University of Erlangen, Germany
1987–1988 Visiting Professor, University of Graz, Austria
Nov 1988 Directeur d'Etude Associé at the Centre d'Analyse et de Mathematiques Sociales, Ecole des Hautes Etudes en Sciences Sociales, Paris
1990 Distinguished Visiting Professor, University of California, Irvine (Winter Quarter)
Sep 1990 Research Fellow in the Department of Philosophy, University of Turku, Finland
1991–1993 Visiting Professor and Member of the Center for Cognitive Science at the State University of New York at Buffalo
1992 Visiting Professor, University of Innsbruck, Austria
1993 Visiting Researcher at the Istituto per Ricerche di Dinamica dei Sistemi e di Bioingegneria, Consiglio Nazionale delle Ricerche, Padua, Italy. (November–December)
Feb 1994 Humboldt Fellow, Fachbereich Informatik, Universität Hamburg, Germany
Aug 1994 Humboldt Fellow, Institut für Philosophie, Universität Konstanz, Germany
Mar 1995 Visiting Professor, University of Malta, Msida, Malta
Apr 1995 Visiting Professor, Rijksuniversiteit, Leiden, Netherlands
Nov 1995 Visiting Professor, Technische Universität, Vienna
Feb 1997 Visiting Professor, University of Malta, Msida, Malta

Mar 1999 Visiting Professor, University of Malta, Msida, Malta
 2000 Visiting Professor, University of Koblenz, Germany
 2002–2006 Director, Institute for Formal Ontology and Medical Information Science, Faculty of Medicine, University of Leipzig; from September 2004 in Saarland University, Saarbrücken, Germany.
 2007– Director of Research, Institute for Formal Ontology and Medical Information Science, Saarland University, Saarbrücken, Germany
 Aug 2008 Visiting Professor, University of Texas Southwestern Medical Center, Dallas

HONORS AND AWARDS

1970–1973 Open Exhibition and Open Scholarship (Jesus College, Oxford)
 1983–1984 Two-Year Fellowship of the Alexander von Humboldt Stiftung, Germany for research in the Universities of Louvain (Belgium), Erlangen (Germany) and Graz (Austria)
 1989–1998 Honorary Fellow, University of Liverpool
 1991 First Marvin Farber Lecturer at the State University of New York at Buffalo
 Nov 1994 Fifth Gustav Bergmann Lecturer, University of Iowa
 Nov 1995 International Conference on Spatial Information Theory, Semmering, Austria. Award for Best Presentation
 Feb 1997 UB Committee for the Promotion of Tolerance and Diversity, Certificate of Appreciation for Exemplary Teaching in American Pluralism
 Oct 1997 Distinguished Visiting Scholar, James Madison University, Harrisonburg, Virginia
 Mar 1999 Fellow of the American Philosophical Society
 Mar 2000 Stanisław Kamiński Memorial Lecturer, Catholic University of Lublin, Poland
 Nov 2001 [Wolfgang Paul Award](#) of the Alexander von Humboldt Foundation (€ 2,200,000)
 Oct 2002 SUNY Chancellor's Award for Excellence in Scholarship
 May 2002 Stanisław Kamiński Memorial Lecturer, Catholic University of Lublin, Poland
 Jun 2005 Carl Linnaeus Lecturer, Mälardalen University, Sweden (June 2)
 Dec 2005- Honorary Professorship, Saarland University, Saarbrücken, Germany
 Apr 2010 [Paolo Bozzi Ontology Prize](#) and Paolo Bozzi Lecture, University of Turin, Italy (April 15)

Erdős Number: Leeb (1) – Degen (2) – Smith (3)

[h-index](#): 55

Total citations: 11,642

See also: [The h-Index for Computer Science](#)

CONSULTANCIES (SINCE 2006)

2006–10 School of Medicine, Duke University Health System
 2006– German Federal Ministry of Health
 2007 Lockheed Corporation
 2007 University of Pittsburgh Medical Center
 2008–10 US Department of the Army Net-Centric Data Strategy Center of Excellence
 2009– The Plant Ontology Consortium: Plant Genome Research Resource (NSF Award 0822201)
 2010– Modelling Immunity for Defense Center, Mount Sinai School of Medicine
 2010 Joint Warfighting Center, Joint Forces Command, Department of Defense
 2011– Intelligence and Information Warfare Directorate (I²WD), US Army Communications-Electronics Research, Development and Engineering Center (CERDEC)

2011– Evicare: Evidence-Based Care Processes – Integrating Knowledge into Clinical Information Systems, University of Oslo and Norwegian University of Science and Technology, Trondheim

SCIENTIFIC ADVISORY BOARDS

2004– Hegeler Carus Foundation
2004– Centre de Recherche en Philosophie Economique
2005–2006 The MGED Network Functional Genomics Investigation Ontology (FuGO)
2006– Gene Ontology Consortium (NIH/NHGRI)
2006– Ontology for Biomedical Investigations (OBI)
2006– Philosophy Documentation Center
2006–2008 Multiscale Systems Immunology for Adjuvant Development (NIH/NIAID)
2007–2010 The Cleveland Clinic Semantic Database
2008– Disease Ontology (NIH/NHGRI)
2010– CardioVascular Research Grid Ontology Advisory Board (CVRG) (Johns Hopkins)
2010– Ontology for Clinical Research (OCRe) (University of California at San Francisco)
2010– International Association for Ontology and its Applications (IAOA)
2011– NextGen (Next Generation Air Transportation System) Ontology Team, US Government Joint Planning and Development Office (JPDO)

ONTOLOGY CONSORTIA AND WORKING GROUPS (SINCE 2006)

2006– Open Biomedical Ontologies (OBO) Foundry Coordinating Editorial Board
2007– Protein Ontology (PRO) Consortium (NIH/NIGMS)
2007– Infectious Disease Ontology (IDO) Consortium (NIH/NIAID)
2009– Major Histological Complex Ontology Working Group (NIH/NIAID)
2009 Task Force on Representation and Deployment of the Program on Ontologies of Neural Structures (PONS) of the International Neuroinformatics Coordinating Facility (INCF)
2010– eagle-I / VIVO Expertise Ontology Working Group
2011– NextGen (Next Generation Air Transportation System) Ontology Study Team

STUDY SECTIONS AND REVIEW BOARDS (SINCE 2006)

2005–2009 Permanent Committee of External Referees, Italian Ministry of Research
2006 Ad hoc Member, NIH Study Section, Biodata Management and Analysis (BDMA).
2006– German Academic Exchange Service (DAAD)
2006–2009 European Union Networked Ontologies (NeOn) Integrated Project
2007 NSF Review Panel on Ontologies and the Semantic Web
2007 Leverhulme Trust, UK
2009 Netherlands Genomics Initiative
2011– Czech Science Foundation
2011– National Science Centre, Poland

LEARNED JOURNALS AND SERIES

Editor of *The Monist. An International Quarterly Journal of General Philosophical Inquiry* (1992–). (Indexed in *The Philosophers Index* and in *Arts and Humanities Citation Index*.) Special issues edited:

Jan 1992 Teleology and the Foundation of Value Apr 1992 The Intrinsic Value of Nature

Jul 1992	Christian Philosophy	Jul 2002	Controlling Belief
Oct 1992	Pragmatism: A Second Look	Oct 2002	Consequences
Jan 1993	Person-Relativity in Ethics	Jan 2003	Perversion
Apr 1993	Philosophical Aspects: Death and Dying	Apr 2003	Responsibility
Jul 1993	Justification in Ethics	Jul 2003	Moral Distance
Oct 1993	Canons	Oct 2003	Art and the Mind
Jan 1994	The Ontology of Scientific Realism	Jan 2004	On Function
Apr 1994	Facts and Situations	Apr 2004	Self-Consciousness
Jul 1994	Uses and Abuses of Logic in Philosophy	Jul 2004	Simples
Oct 1994	Feminist Epistemology: For and Against	Oct 2004	Personal Identity
Jan 1995	Cultural Universals	Jan 2005	Humor
Apr 1995	Prosthetic Epistemology	Apr 2005	Conformism
Jul 1995	The Metaphysics of Economics	Jul 2005	Time Travel
Oct 1995	Mind in Wittgenstein's Later Philosophy	Oct 2005	Ordinary Objects
Jan 1996	Topology for Philosophers	Jan 2006	Truth
Apr 1996	Forbidden Knowledge	Apr 2006	The Foundations of International Order
Jul 1996	Causality Before Hume	Jul 2006	Coming into Being and Passing Away
Oct 1996	Academic Ethics	Oct 2006	Genetics and Ethics
Jan 1997	Quantum Mechanics & the Real World	Jan 2007	Sovereignty
Apr 1997	Pantheism	Apr 2007	The Scottish Philosophical Tradition:
Jul 1997	Interactive Issue	Jul 2007	Lesser Kinds
Oct 1997	Analytical Thomism	Oct 2007	Biomedical Ontologies
Jan 1998	Secondary Qualities Generalized	Jan 2008	Privacy
Apr 1998	Vagueness	Apr 2008	Intentionality and Phenomenal
Jul 1998	Reunifying Epistemology		Consciousness
Oct 1998	Rethinking Leibniz	Jul 2008	Marriage (Double Issue)
Jan 1999	Philosophy of Computer Science	Jan 2009	Singular Causation
Apr 1999	Continental Philosophy: For and Against	Mar 2009	Europa!
Jul 1999	Nationalism	Jul 2009	Philosophy and Engineering
Oct 1999	Cognitive Theories of Mental Illness	Oct 2009	Forgiveness
Jan 2000	Austrian Realism	Jan 2010	The Meaning of Life
Apr 2000	Applying Mathematics	Apr 2010	Race
Jul 2000	Temporal Parts	Jul 2010	Intellectual Property
Oct 2000	Philosophy as a Way of Life	Oct 2010	Philosophical History of Science
Jan 2001	Civic Republicanism	Jan 2011	Powers
Apr 2001	Probability as a Guide to Life	Apr 2011	The Joints of Reality
Jul 2001	The Epidemiology of Ideas	Jul 2011	Morality and Climate Change
Oct 2001	Physics before Newton	Oct 2011	Cosmopolitanism: For and Against
Jan 2002	The Philosophy of Biology	Jan 2012	Dilemmas of Multiculturalism
Apr 2002	Evil		

Associated editor of:

Applied Ontology (Associate Editor, 2004–)
BMC Bioinformatics (2011–)

Member of editorial board of:

History and Philosophy of Logic (1979–1984, Founding Editorial Board Member)
Philosophy and Phenomenological Research (1986–1999)
Dialectica (1988–)
Brentano-Studien (1988–)
Axiomathes (1993–2011)
Grazer Philosophische Studien (1995–)
Advances in Austrian Economics (1996–)
Logic and Logical Philosophy (1996–)
Logical Analysis and History of Philosophy (1997–)
Metaphysica (2003–)
Quarterly Journal of Austrian Economics (1998–)

Journal of Libertarian Studies (1999–)
Roczniki Filozoficzne / Annals of Philosophy (2000–)
Reports on Philosophy (2001–)
Episteme (2002–)
Interdisciplinary Phenomenology (2003–)
Meinong Studies (2004–)
Polish Journal of Philosophy (2006–)
Journal of Biomedical Informatics (2006–)
Spatial Cognition and Computation (2007–)
Journal of Social Ontology (2009–)
Journal of Biomedical Semantics (2009–)
LOGOS: Freie Zeitschrift für wissenschaftliche Philosophie (2009–)
Collana di ontologia (2009–)

EXTERNAL GRANTS (SINCE 2005)

Sep 2005 European Union 6th Framework Programme for Research, Technological Development and Demonstration, [RIDE – A Roadmap for Interoperability of eHealth](#) Systems (PI for IFOMIS sub-contract)
 European Union 6th Framework Programme for Research, Technological Development and Demonstration ACGT – Clinical Trials in Cancer (PI for IFOMIS sub-contract)
 National Institutes of Health Roadmap Grant U 54 HG004028: National Center for Biomedical Ontology (PI for University at Buffalo sub-contract)

Mar 2007 NIH / NIGMS R01 GM080646-01: PRO: A Protein Ontology in Open Biomedical Ontologies (PI of Buffalo Sub-Contract)

Apr 2007 Burroughs Wellcome Fund 1007105: [Workshop on Infectious Disease Ontology](#) (Co-Director)

Aug 2007 NIH/NIAID/Lockheed CA-0774 Bioinformatics and Scientific IT Program (BSIP): Review of Ontology, Terminology and Vocabulary Resources in the Infectious Disease Domain

Aug 2007 Oishei Foundation: Task Force for Ontology-Based IT Support for Large-Scale Field Studies in Psychiatry (Co-PI)

Apr 2008 Burroughs Wellcome Fund: 2nd Workshop on Infectious Disease Ontology (PI)

Sep 2008 NIH/NIAID R01 AI 77706 Immune System Biological Networks: A Case Study in Improved Data Integration and Analysis (PI of Buffalo Sub-Contract)

Nov 2008 Ucore SLX Biometrics Ontology Task 2, U.S. Department Of Defense (PI), \$225,199, November 2008 – October 2009.

Dec 2008 Command and Control (C2) Core Ontology, U.S. Department Of Defense (PI), \$28,403, December 2008 – October, 2009.

Jan 2009 UCore SLX Biometrics Ontology Task 1, U.S. Department Of Defense (PI), \$135,407, January 2009 – October 2009.

Feb 2009 [International Conference on Biomedical Ontology](#), NIH - National Human Genome Research Institute (PI)

Jan 2010 [ARGOS Transatlantic Observatory for Meeting Global Health Policy Challenges through ICT-Enabled Solutions](#), European Union Directorate General for External Relations, (PI of Buffalo Subcontract)

Aug 2010 National Institutes of Health Roadmap Grant 2 U54 HG004028: National Center for Biomedical Ontology (PI for University at Buffalo sub-contract)

May 2011 International Conference on Biomedical Ontology, NIH - National Human Genome Research Institute R13HG006231-01 (PI).
 NIH / NIGMS R01 GM080646-06 PRO: A Protein Ontology in Open Biomedical Ontologies, National Institute for General Medical Sciences. Co-PI

TEACHING (SINCE 2006)

University at Buffalo

Ontology, Bioinformatics and Life Sciences (public lecture series), Fall Semester 2006.
An Introduction to Biomedical Ontology (tutorial), Spring Semester 2008.
CAS 101: Trends in Arts and Sciences (Philosophy), Fall Semester 2009.
Basic Formal Ontology (tutorial), Fall Semester 2009
From Aristotle to the Universal Core (tutorial), Fall Semester 2009.
Philosophical Aspects of Health and Disease, Fall Semester, 2010 (with Mathias Brochhausen)

Intelligent Systems for Molecular Biology (ISMB)

How to Build Ontologies and How to Use Them (Tutorial with Nigam Shah), Vienna, Austria, July 19, 2007
Bio-Ontologies: How to Make and Use Them (Tutorial with Nigam Shah), Toronto, Canada, July 18, 2008.

Medical Informatics Europe

[Standards and Ontology](#) (Tutorial, with Werner Ceusters), Maastricht, August 27, 2006
MIE 2009: Biomedical Ontologies: The State of the Art (Tutorial, with Werner Ceusters), Sarajevo, August 30, 2009

International Conference and Research Center for Computer Science, Schloss Dagstuhl, Germany

Training Course in Biomedical Ontology (Tutorial), May 21-24, 2006
[Reasoning with Biomedical Information](#): Training Course in Logic for Biomedical Research (Tutorial), June 20-22, 2007

Universität des Saarlandes,

Spezies (graduate seminar, with Ulrich Nortmann and Mathias Brochhausen), Summer Semester 2006
Sprachtechnologie, Ontologien und Rechtswissenschaft (research seminar, with Manfred Pinkal, Max Herberger, and Stephan Walter), Summer Semester 2006

Duke University, Durham, NC

The Foundations of Biomedical Ontology (Tutorial), October 31, 2006

Massachusetts Institute of Technology, Cambridge, MA

Connecting BioPAX to Other Biomedical Ontologies (Tutorial), November 20-21, 2006

Protégé 2007, Budapest, Hungary

How to Build and Maintain Useful Ontologies (Tutorial), July 15, 2007

Universidade Federal Fluminense, Rio de Janeiro, Brazil

An Introduction to Biomedical Ontology (Tutorial), August 14, 2008

Northwestern University, Chicago, IL

Tutorial on Ontology Development, Disease Ontology Workshop, Northwestern University, Chicago, January 16-17, 2010

European Bioinformatics Institute, Hinxton, Cambridge, UK

[Ontologies for the Virtual Physiological Human](#) (Tutorial, with Alan Ruttenberg), February 14, 2010

Introduction to Ontology Best Practices (Tutorial), Ontology Development and Engineering: Tutorial & Training Workshop (EMBL-EBI Industry Programme), October 11, 2010.

US Army Net-Centric Data Strategy Center of Excellence, ANSER Center, Arlington, VA

Universal Core Semantic Layer (Tutorial, with Lowell Vizenor), March 18, 2010

Pre-Conference of the 2nd Summer School in Affective Sciences (ISSAS 2010), University of Geneva, Switzerland

Groundrules for an Ontology of Emotion (Tutorial), August 22, 2010.

Department of Human Genetics, Emory University, Atlanta GA

[Building Ontologies for Clinical and Translational Research](#), June 29, 2011.

Space and Naval Warfare (SPAWAR) Systems Command, Systems Center Atlantic, Charleston SC

[SPAWAR Semantic Boot Camp](#), September 21-23, 2011.

POSTDOCTORAL RESEARCH SUPERVISED (SINCE 2006)

Pierre Grenon, IFOMIS, Leipzig/Saarbrücken, 2002-2007.

Anand Kumar, IFOMIS, Leipzig, 2003-2006

Fabian Neuhaus, IFOMIS Saarbrücken / University at Buffalo / National Center for Biomedical Ontology, 2004-2007

Dirk Marwede, IFOMIS, Leipzig/Saarbrücken, 2004-2006

Boris Hennig, IFOMIS, Leipzig/Saarbrücken, 2004-2006

Mathias Brochhausen, IFOMIS, Saarbrücken, 2005-2006

Ludger Jansen, IFOMIS Saarbrücken, 2005-2006

Christian Cocos, IFOMIS Saarbrücken, 2006

Jose L. E. Mejino, Jr. University at Buffalo / National Center for Biomedical Ontology, 2006

Robert Arp, University at Buffalo / National Center for Biomedical Ontology, 2007-2009

Albert Goldfain, Immune System Biological Networks: A Case Study in Improved Data Integration and Analysis (NIH / NIAID), University at Buffalo, 2008-

Leonard Jacuzzo, University at Buffalo / National Center for Biomedical Ontology, 2009

Kerry Trentelman, University at Buffalo / National Center for Biomedical Ontology, 2009-2010

Gian Paolo Terravechia, University at Buffalo, 2009

Mauricio B. Almeida, University at Buffalo, 2010-2011

Mathias Brochhausen, University at Buffalo, 2010-2011

Janna Hastings, University of Geneva, Switzerland, 2010-

Mark Ressler, University at Buffalo, 2011-2012

PH.D. DISSERTATIONS DIRECTED (SINCE 2006)

Lowell Vizenor, *Corporate Being*, University at Buffalo, February 2006. Current employment: Chief Ontologist, Alion Scientific.

Douglas Mayhew, *An Ontology of Natural Cognition. The Substance and Structure of Everyday Thought*, University at Buffalo, May 2007 (deceased).

Pierre Grenon, *On Relations*, University of Geneva, October 2007 (co-supervisor: Kevin Mulligan).
Current Employment: European Bioinformatics Institute, Cambridge, UK.

Luc Schneider, *Kinds of Instances: A Logical and Metaphysical Inquiry into the Ontological Square*, University of Geneva, October 2007 (co-supervisor, Kevin Mulligan). Current Employment: Institute for Formal Ontology and Medical Information Science, Saarbrücken, Germany

Nikoloz Tsikolia, *Mechanisms of carcinogenesis: A consideration of causality in the development and pathology of the living organism based on realistic ontology*, University of Leipzig, November 2007 (co-supervisor).

Mark Niswonger, *Life at Its Edges: A New Look at the Persistence Conditions for Organisms*, University at Buffalo, November 2011.

WEBLOGS

[HL7 Watch](#): HL7 (Health Level 7) is a collection of standards and proposals for healthcare-specific data exchange between computer applications. Considerable efforts are being invested by governments and industry to use HL7 as part of national health IT projects. Many claims are made on behalf of HL7 by its advocates. The goal of this blog is to investigate the merits of these claims, and to provide some needed independent perspective on the HL7 project.

PRESENTATIONS AT DEPARTMENTAL COLLOQUIA (SINCE 2006)

- Feb 2006 IGERT Seminar, National Center for Geographic Information and Analysis, University at Buffalo, 17 February 2006 ("Measuring Fields: A Theory of Quantities")
Department of Oral Biology, School of Dental Medicine, University at Buffalo, February 20 ("The Mouth")
Seminar on Property Rights and Economic Development, Law School, February 22, University at Buffalo ("Legal Ontology and the Tanzania Project")
- Jun 2006 Institut de biologie moléculaire et cellulaire du CNRS, Université Louis Pasteur, Strasbourg, France, June 7 ("The Future of Ontologies in Biomedical Research")
- Sep 2006 Norwegian Center for Electronic Health Records, Norwegian University of Science and Technology, Trondheim, September 18 ("The Nature of Disease: Future Pathways in Biomedical Ontology"), September 19 ("Clinical Coding and Terminologies: The Past and the Future")
Norwegian Health Informatics Centre, Norwegian University of Science and Technology, Trondheim, September 18 ("A General Introduction to Biomedical Ontology", "How Ontologies Create Research Communities")
Department of Computer and Information Science, Norwegian University of Science and Technology, Trondheim, September 19 ("Critical Comments on ISO Standard 15926")
- Oct 2006 Center for Cognitive Science, University at Buffalo, NY, October 11 ("Why I am Not a Philosopher")
Duke University School of Medicine, October 31 ("How Ontologies Create Research Communities")
- Nov 2006 Duke University Department of Biostatistics and Bioinformatics, November 1 ("The Ontology of Experiments")
- Dec 2006 Faculty of Computer Science, Free University of Bolzano, December 4-5 ("The OBO Foundry", "The OBO Relation Ontology", "Towards a Reference Terminology for Talking about Ontologies and Related Artifacts")
BIT Lecture, Faculties of Computer Science, Universities of Bolzano, Innsbruck and Trento, December 5 ("Ontology Development for Commercial and for Natural Science")

Domains")

Feb. 2007 Center of Excellence in Bioinformatics and Life Sciences, University at Buffalo, February 14 ("The Ontology Research Group")

Mar. 2007 Department of Biostatistics, Bioinformatics, & Epidemiology, Medical University of South Carolina, Charleston, March 5 ("The Future of Health Information")

Apr 2007 Department of Philosophy, University of Utrecht, April 2 ("Languages of Medicine", "Logical Tools and Theories in Contemporary Bioinformatics")
National Center for Integrative Biomedical Informatics, University of Michigan, April 12 ("The OBO Foundry: Towards Gold Standard Terminology Resources in the Biomedical Domain")
Department of Philosophy, University of Paderborn, April 19, 2007 ("Sprechakte und Dokumentakte")

May 2007 Cognigen Corporation, Amherst NY, May 9 ("Data Standardization and the FDA Approval Process")
Department of Clinical Sciences, University of Texas Southwestern Medical Center, Dallas, May 24 ("Re-Engineering the Discipline of Clinical and Translational Science: Ontology for Clinical Investigations")

Jun 2007 Duke Clinical Research Institute, Duke University Medical School, Durham NC, June 6 ("The Problem of Reusability of Biomedical Data: OBO Foundry & HL7 RIM")

Aug 2007 Institute for Computational Biomedicine, Weill Medical College of Cornell University, New York, August 13 ("The OBO Foundry: Coordinated Evolution of Ontologies to Support Biomedical Data Integration")
Protein Data Bank, Research Collaboratory for Structural Bioinformatics, Rutgers University and (remotely) University of California at San Diego, August 20 ("The OBO Foundry")
University at Buffalo NSF IGERT Orientation, Letchworth Park, August 21-22 ("Introduction to (Geo)Ontology")

Sep 2007 Charles R. Bronfman Institute for Personalized Medicine, Mount Sinai School of Medicine, New York, September 4 ("Ontologies for Clinical and Translational Medicine")

Oct 2007 SAP, Walldorf, Germany, October 4 ("Achieving Interoperability")
NCBO Seminar Series, Stanford University (online presentation), October 9 ("Results of the Infectious Disease Ontology Meeting")

Nov 2007 Buffalo City-Wide Grand Rounds, UB Center for Clinical Ethics, November 19 ("The Future of Biomedical Informatics")
Mount Sinai School of Medicine, New York, November 26 ("First Steps Towards an Ontology for Community-Based Medicine")

Jan 2008 Buffalo IGERT Colloquium, January 25 ("The Environment Ontology and the GAZ: An Open Source Gazetteer built on Ontological Principles")

Mar 2008 New York State Center of Excellence in Bioinformatics and Life Sciences, March 19 ("Using Ontologies for Annotation of Genomic Data")

Apr 2008 Legal Theory Group, Baldy Center for Law and Social Policy, School of Law, University at Buffalo, April 23 ("Ontology of Law")
Central Intelligence Agency, Langley, VA, April 30 ("Sharing Data: Lessons from Biomedical Ontology")

Aug 2008 Division of Biomedical Informatics, Department of Clinical Science, University of Texas Southwestern Medical Center, Dallas, August 29 ("HL7 RIM: A Critical Survey")

Oct 2008 Center for Semiotic Studies, University of Aarhus, Denmark, October 7 ("Ontology (Science) vs. Ontology (Engineering)" and "Depicting Reality")

Feb 2009 Department of Philosophy, University at Buffalo, February 5 ("The Future of Ontology in

- Buffalo”)
- Mitre Corp., McLean, VA, February 10 (“Technical Briefing: UCore-Semantic Layer”)
- Institute of Scientific and Industrial Research, Osaka University, February 24 (“Towards a Standard Upper-Level Ontology”)
- National Center for Biomedical Ontology, Stanford University, March 24-25 (“NCBO: A Vision for the Future”)
- Apr 2009 Presentation to Leadership of Long Island Jewish North Shore Health System, New York State Center of Excellence in Bioinformatics and Life Sciences, April 24 (“The Gene Ontology and Beyond”)
- Feb 2010 Buffalo IGERT Colloquium, February 12 (“How to Build an Environment Ontology”)
- Lecture to BCH 502: Genome Annotation – Halfon Honors Seminar, February 23 (“An Introduction to the Gene Ontology”)
- Mar 2010 Instituto de Seguridad Social del Estado de México y Municipios (ISSEMyM), Toluco, Mexico, March 23 (“Referent Tracking and the Electronic Health Record”)
- Apr 2010 Department of Philosophy and Swiss National Research Competence Center for Affective Sciences, University of Geneva, April 21 (“The Ontology of Collateralized Debt Obligations and the Metaphysics of the Current Economic Crisis”)
- May 2010 National Center for Biomedical Ontology, Stanford University, Stanford, CA, May 5 (“What developers need to know about ontologies”)
- Jun 2010 Intelligence and Information Warfare Directorate, Communications-Electronics Research, Development and Engineering Center (CERDEC), Fort Monmouth, NJ, June 3 (“Strategies for Developing Consistent Community of Interest Supported Data Extensions”)
- Jul 2010 CUBRC, Buffalo, July 14 (“Ontology in Buffalo: July 2010”)
- Sep 2010 South African Council of Scientific and Industrial Research (CSIR), Pretoria, September 15 (“Ontology: the why and how explained”)
- Department of the Computer Science and Engineering, University at Buffalo, September 30 (“Ontological Engineering”)
- Oct 2010 Department of Philosophy, Union College, Schenectady, NY, October 21 (“Towards an Ontology of Documents”)
- Jan 2011 Applied Ontology Group, University at Buffalo, January 17 (“Basic Formal Ontology (BFO) 2.0”)
- Mar 2011 Department of Philosophy, University at Buffalo, March 11 (“How to Publish a Philosophy Paper”)
- Aug 2011 University of California at Merced, Cognitive and Information Science, August 28 (“Environments Inside and Outside the Organism”)
- Sep 2011 Department of Philosophy, University at Buffalo, September 2 (“Defining Emotions”)
- Space and Naval Warfare (SPAWAR) Systems Command, Systems Center Atlantic, Technical Brief, September 23 (“Semantic Technology and Its Practical Implications”)
- Nov 2011 Visual Learning Lab (VLL), Budapest University of Technology, November 3 (“How Vision Works” (remote presentation))

PRESENTATIONS AT PROFESSIONAL MEETINGS AND SYMPOSIA (SINCE 2006)

- Feb 2006 Fourth Semantic Interoperability for E-Government Conference, Mitre, McLean VA, February 9-10, 2006 (“HL7 RIM”)
- Functional Genomics Investigation Ontology (FuGO) Workshop, University of Pennsylvania, February 13-15, 2006 (“How to Build an Ontology”).
- Mar 2006 Biomedical Informatics Research Network (BIRN) Ontology Workshop, National Center

- for Biomedical Ontology, Stanford University, March 1, 2006 (“Tutorial: Critical Review of BIRN Ontologies”)
- Japanese Ontology Forum, Second Conference, March 10-11, 2006 (Keynote Speech: “How to Build an Ontology”)
- Japanese Artificial Intelligence Society Annual Conference, March 10, 2006 (“Forming JCOR”)
- Upper Ontology Summit, National Institute for Standards and Technology, Gaithersburg MD, March 14-15 ([“Basic Formal Ontology”](#))
- Philosophical Aspects of Quantum Mechanics, Workshop of the Institute for Formal Ontology and Medical Information Science and the Department of Philosophy, Saarland University, March 15, 2006 (“Quantum Mechanics and Realism”)
- Naturalisierung des Menschen, Humboldt-University, Berlin, March 17-19, 2006 (“Definitionen der Gesundheit”)
- Ontology Workshop: Focus on Immunity, National Institute of Allergy and Infectious Disease, National Institutes of Health, Bethesda MD, March 21-22, 2006 (“Biomedical Ontologies: An Overview”)
- Image Ontology Workshop, National Center for Biomedical Ontology, Stanford University, March 23-24, 2006 (“Principles of Ontology Design”)
- St. Croix, Gene Ontology Consortium Annual Meeting, 30 March-April 2, 2006 (Invited Tutorial: “Principles of Biomedical Ontology Design”)
- May 2006 Philosophy and Informatics Conference, German Informatics Society, Saarbrücken, 3-4 May, 2006 (Keynote Lecture: “Ontology and the Future of Biomedical Research”)
- NCBO/OBO Consortium Workshop on PATO: The Phenotype Ontology, 17-20 May, 2006 (“Towards a Single Hierarchy Phenotype Ontology”)
- Jun 2006 Workshop on Multi-Lingual Semantic Annotation: Theory and Applications, Saarland University, Saarbrücken, Germany, June 26-27, 2006 (“Pax Terminologica”)
- Jul 2006 Naturalisierung des Menschen, Humboldt-University, Berlin, July 13-14, 2006 (“Ontologie des menschlichen Lebewesens: Substanz und Funktion”)
- Milanesiana, Teatro del Verme, Milan, July 16, 2006 (“Document Acts”)
- National Centers for Biomedical Computing and National Institutes of Health, Bethesda, MD, July 17, 2006 (“Ontology: A Vision for the Future and Its Realization”)
- Functional Genomics Investigation Ontology Workshop, European Bioinformatics Institute, Hinxton, Cambridge, UK, July 24-28, 2006 (“The OBO Foundry Principles”, “Formal review of BFO and DOLCE”, “The Need for an Investigation Ontology”)
- Aug 2006 Cultures: Conflict – Analysis – Dialog: 29th International Wittgenstein Conference, August 6-13, 2006 (“Document Acts” (plenary talk), “Ways of Worldmarking”)
- Medical Informatics Europe, Maastricht, Netherlands, August 27-30, 2006 (“HL7 RIM: An Incoherent Standard”, “Referent Tracking: The Problem of Negative Findings” (with Werner Ceusters and Peter Elkin))
- Sep 2006 Model Organism Anatomy Ontology, National Center for Biomedical Ontology, Seattle, September 8-9, 2006 (“Principles of Ontology Design”)
- EDV-Gerichtstag, Saarland University, Saarbrücken, September 13, 2006 (“Ontologie des Dokuments”)
- Oct 2006 National Center for Biomedical Ontology and PharmGKB, Stanford University, October 25, 2006 (“How to Build an Ontology”)
- The Philosophy of Biology, National Center for Ontological Research, Buffalo, October 28, 2006 (“On the Canonical Life”)
- Nov 2006 Disease Ontology, National Center for Biomedical Ontology, Baltimore, November 6-7, 2006 (“What a Disease Ontology is For”)

- [Biomedical Ontology in Action](#) (KR-MED 2006), November 8, 2006, Baltimore, MD (“Towards a Reference Terminology for Ontology Research and Development”)
- Formal Ontology and Information Systems, Johns Hopkins University, Baltimore, Nov 8-10, 2006 (“Against Idiosyncrasy in Ontology Development”)
- Biomedical Imaging Ontologies, Workshop, American Medical Informatics Association Annual Symposium, Washington DC, November 11, 2006 (“Ontology over Images”)
- Genomics Knowledge Representation for Clinical Trials, Workshop, American Medical Informatics Association Annual Symposium, Washington DC, November 12, 2006 (“Towards an Ontology for Clinical Trials”)
- Panel on the Future of HL7, American Medical Informatics Association Annual Symposium, Washington DC, November 14, 2006 (“HL7 RIM”)
- NAS Conference, Boston, November 17-19, 2006 (“Legislation and the Academic Bill of Rights”)
- Ontology for the Intelligence Community, Conference of the National Center for Ontological Research, Columbia, MD, November 30-December 1, 2006 (“Ontology: A Guide for the Intelligence Analyst”; “Ontology: A Strategy for the Future”)
- Dec 2006 Knowledge Environments for Biomedical Research, National Institutes of Health, Bethesda, December 12, 2006 (“The Virtuous Knowledge Environment Cycle”)
- NIST / Ontolog Forum / NCOR Series on Ontology Measurement and Evaluation, December 21, 2006 (“[Ontology Evaluation in Biomedicine](#): The OBO Foundry Initiative”)
- Society for Machines and Mentality, American Philosophical Association Eastern Division Meeting, December 28, 2006 (“Software and Other Cultural Artifacts”)
- Jan 2007 Ontology for Biomedical Investigations, La Jolla Insitute for Allergy and Immunology, San Diego, January 29-February 2, 2007 (“The Clinical Trial Ontology”)
- Mar 2007 Towards Interoperability of Biomedical Ontologies, [Dagstuhl Seminar](#), March 25-29 (“Basic Formal Ontology”)
- Apr 2007 [eHealth: From Strategies to Applications](#), Messe Berlin, April 18, 2007 (“Referent Tracking: Towards Semantic Interoperability and Knowledge Sharing”)
- Visual and Conceptual Structuring of Action-dependent Knowledge Representation, April 19-20, Department of Philosophy and Hans Nixdorf Institute, University of Paderborn, Germany (“Ontologie als konkretisierte Darstellungen der Wirklichkeit”)
- [Semantic Days](#), Stavanger, Norway, April 24-25 (“The art of creating useful ontologies”)
- May 2007 [Clinical Trial Ontology Workshop](#), NCBO and National Heart, Lung and Blood Institute/NIH, Bethesda, MD, May 16-17, 2007 (“Clinical Trial Ontology: Creating Consensus”)
- Jun 2007 Sharing Knowledge through the ICF: 13th Annual North American WHO Collaborating Center Conference on the ICF, Niagara Falls, June 7, 2007 (Tutorial on Biomedical Ontologies)
- The Role of Service Oriented Architecture in Achieving Semantic and Technical Interoperability, IBM and German Ministry of Health, IBM Stuttgart, June 19 (“The role of ontologies and terminologies in electronic health services”)
- European Union OPEN eHealth Initiative Working Meeting, Prague, June 26-28 (“Semantic Interoperability and the Provision of Patient Data for Cross-Border Emergency Care”)
- July 2007 Bio-Ontologies Workshop, Intelligent Systems for Molecular Biology (ISMB), Vienna, Austria, July 19, 2007 (“Gene Ontology Annotations: What they mean and where they come”, with Judith Blake and David Hill).
- Aug 2007 The EnvO Workshop: Developing an Ontology for Describing the Environments of organisms and Biological Samples, UK National Environment Research Council, OERC: Oxford e-Research Centre, UK, August 29-31 (“Introduction to Ontologies for

- Environmental Biology")
- Oct 2007 Evolution of Semantic Systems, Frege Center for Structural Sciences, University of Jena, Germany, October 5-6 ("Evolving Ontologies: The Future of Biomedical Informatics")
The Metaphysics of Vectors, University of Geneva, Switzerland, October 20-21 ("How Philosophy of Science Can Help Biomedical Research")
Methods and Metrics for Ontology Evaluation Workshop (Sponsors: NIST and NIH), National Institute of Standards and Technology, Gaithersburg, MD, October 25-26 ("Evaluation of Ontologies through an Editorial Process")
- Nov 2007 Hegeler-Carus Foundation Advisors Meeting, LaSalle, IL, November 3-4 ("The Monist: Past, Present and Future")
Environment Ontology, Cold Spring Harbor Laboratories, Long Island, NY, November 15-16 ("Development of the Environment Ontology")
Ontology for the Intelligence Community, Columbia MD, November 28-29 (with T. Janssen, *et al.*, "A Multi-INT Geospatial and Temporal Semantic Reasoning Framework for Intelligence Analysis Support")
- Dec 2007 Protein Ontology Kick-Off Meeting, Georgetown University, Washington DC, December 2-4, 2007 ("The Protein Ontology within the OBO Foundry").
- Jan 2008 Ontology for Biomedical Investigations, British Columbia Cancer Foundation, Vancouver, Jan. 28-30 (OBI, the OBO Relation Ontology and the Information Ontology)
- Feb 2008 [Inaugural Conference of the Japanese Center for Ontological Research](#), February 26-27 ("The Evaluation of Ontologies: Peer Review vs. Democratic Ranking").
- Mar 2008 [Ontology of Cellular Networks](#), National Center for Biomedical Ontology, Newark, NJ, March 26-27 ("Introduction to Biomedical Ontology")
- Apr 2008 Ontolog Forum-NIST-NCOR Ontology Summit, Gaithersburg, MD, April 28-29 ("Ontology Quality Control and Gatekeeping")
- May 2008 The Organism-Environment System, Center for the Ecological Study of Perception and Action (CESPA), University of Connecticut, May 15 ("The Environment Ontology")
The Relation Ontology, School of Medicine, University of Colorado, Denver, May 19-20 ("The OBO Relation Ontology: Preliminaries")
- Jun 2008 First Information Entity Ontology Workshop, Science Commons, MIT, Cambridge MA, June 9-10 ("What are Information Entities?")
Evolutionary Biology and Ontologies. workshop organized as part of the Evolution 2008 Conference in the University of Minneapolis, MN on June 20, 2008 ("An Introduction to Ontology for Evolutionary Biology")
- Jul 2008 First Open Biomedical Ontologies Foundry Summit, European Bioinformatics Institute, Hinxton, Cambridge, July 7-8 ("The OBO Foundry Principles")
Ontology for Biomedical Investigations, European Bioinformatics Institute, Hinxton, Cambridge, July 9-11 ("BFO and the Relation Ontology").
- Aug 2008 Seminário de Pesquisa em Ontologia no Brasil, August 11-12, Department of Information Science, Universidade Federal Fluminense, Brazil ("Ontology Science vs. Ontology Engineering: The Case of Biomedicine")
- Sep 2008 Discrete Clinical Data Acquisition, Modeling, and Use, Cleveland Clinic Department of Cardiovascular Surgery, September 22 ("What's an Ontology and Why Do I Care?")
- Oct 2008 epSOS Workshop on Semantic Services, German Institute for Medical Documentation and Information, Cologne, October 1 ("Ontology-Supported Semantic Services")
[Philosophy's Relevance in Information Science](#), Heinz Nixdorf Institute, Paderborn, Germany, October 3-4 ("The Relevance of Ontology in Information Science")
- Nov 2008 FOIS Formal Ontology in Information Systems, Saarbrücken, Germany, 2-4 November ("Ontology (Science)")

- [Second Annual Protein Ontology Meeting](#), Georgetown University, Washington DC, November 18-19 (“PRO within the OBO Foundry”).
- Conference of the Congenital Heart Surgeons' Society, Sick Kids Hospital, Toronto, November 21 (“Ontology of Congenital Heart Disease”)
- Dec 2008 Ontology for the Intelligence Community, George Mason University, December 3 (“Ontology for the Intelligence Community: A Strategy for the Future”)
- Workshop on Approaches to Legal Ontologies, Department of Law, European University Institute, Florence, Italy, December 9 (“Legal Ontology: The Scientific Perspective”)
- Jurix 2008: 21st International Conference on Legal Knowledge and Information Systems, University of Florence, Italy, December 10 (“How To Do Things With Documents”)
- Jan 2009 [Second Evolutionary Biology and Ontologies Workshop](#). Organized as part of the Annual Meeting of the Society for Integrative and Comparative Biology (SICB) in Boston, MA on January 5 (“What is Ontology and Why do you need it?”)
- Volkswagen Foundation, Berlin-Brandenburg Academy of Sciences, January 12-13 (“Humanities and the Natural Sciences”)
- Command and Control Core Ontology Exchange Meeting, National Center for Ontological Research and Army Net-Centric Data Strategy Center of Excellence, January 15-16 Buffalo NY (“Success Stories in Use of Ontologies: Examples from Biomedicine and Lessons Learned for the Command and Control Ontology”)
- Feb 2009 InterOntology: 2nd Interdisciplinary Ontology Conference, Keio University, Tokyo, February 27-March 1 (“How to Build an Ontology” and “Ontology: The Road to Coordination” (keynote lecture))
- Mar 2009 [Ontolog-Forum Panel](#), March 12 (“How to Organize the World of Ontologies”)
- American Medical Informatics Association Translational Summit, San Francisco, March 15-17 (“Towards an Ontology of Disease and Diagnosis”, with Richard Scheuermann)
- International Association for Dental Research Consensus Workshop: Convergence on an Orofacial Pain Taxonomy, Miami, March 30-April 1 (“Ontology: Background and Rationale” (plenary lecture))
- May 2009 epSOS Terminology Working Group, German Institute for Medical Documentation and Information, Cologne, May 20 (“epSOS Pilot Project in Semantic Interoperability”)
- Jun 2009 OBO Foundry Workshop, European Bioinformatics Institute, June 7-8, 2009 (“Reviews of OBO Foundry Ontologies”)
- EBI-Industry Group, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, June 9 (“The OBO Foundry: Governance”)
- Workshop on the OBI Ontology for Biomedical Investigations, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, June 10-11 (“The OBO Foundry: Requirements”)
- Jun 2009 Ontology-Driven Semantic Interoperability in eHealth, European Commission Directorate General Information Society and Media, Brussels, June 22-23 (“Semantic Interoperability and Strategies for the Standardization of Medical Information: An epSOS Demonstrator Project”)
- Aug 2009 Concept Types and Frames in Language, Cognition and Science, University of Düsseldorf, August 24-26 (“The Relation Ontology”)
- Medical Informatics Europe, Sarajevo, Bosnia, August 29-September 2 (“Why are ontologies needed to achieve EHR interoperability?”; “An Evolutionary Approach to the Representation of Adverse Events”, with Werner Ceusters, Maria Capolupo and Georges De Moor)
- Sep 2009 Signs, Symptoms and Findings: Towards an Ontology for Clinical Phenotypes, Italian National Research Council Institute for Biomedical Technologies and University of Milan, September 4-5 (“BFO and Disease”)

Plant Ontology Workshop, Cornell University, Ithaca, NY, September 14 (“Towards a Common Plant Ontology”)

Performance Metrics for Intelligent Systems (PERMIS) Conference, September 21-23, National Institute of Standards and Technology (NIST), Gaithersburg, MD (with Lowell Vizenor, “Universal Core Semantic Layer: A Roadmap to Semantic Interoperability”)

UCore Users Conference, Mitre Corp., McLean, VA, September 23-24 (“UCore Semantic Layer”)

Conference on Ontology, North Carolina State University Logic and Cognitive Science Initiative (LACSI), September 25-26 (“Towards a Common Upper Level Ontology”)

Oct 2009 IHTSDO Conference on SNOMED-CT, Bethesda, MD, October 8 (“Basic Formal Ontology”)

Ontology for the Intelligence Community, George Mason University, Fairfax, VA, October 21-22 (“Universal Core Semantic Layer”; “Referent Tracking for Command and Control Messaging Systems”)

Nov 2009 Ontolog Forum, November 5 (“Towards Ontology Certification”)

Dec 2009 Pistoia Alliance Cross-Industry Vocabulary Workshop. Exploring Public-Private Partnership Models for Sustainable Pharmaceutical Vocabulary Services, December 2-3, Pfizer Technology Research Center, Cambridge MA (“The Pistoia Neurotoxicity Pilot”)

2010 Ontology Summit Launch Event, December 10 (“Towards Ontology Certification: Meeting the Need for Trained Ontologists”)

Jan 2010 Disease Ontology, Northwestern University, Chicago, January 16-17 (“The Ontology for General Medical Science”)

Feb 2010 [Ontology Summit 2010](#), on-line panel session, February 11 (“A Template for Ontology Training Programs”)

OBO Foundry Workshop, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, February 15-16, 2010 (“The Disease Ontology”, “Basic Formal Ontology Version 2.0”)

Pistoia Alliance Conference, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, Feb 17-18 (“OBO Foundry: Recent Developments”)

Mar 2010 [ARGOS](#): Transatlantic Observatory for Meeting Global Health Policy Challenges through ICT-Enabled Solutions, Consortium Meeting, Barcelona, Spain, March 15 (with Werner Ceusters)

[Ontology Summit 2010](#), National Institute for Standards and Technology (NIST), Gaithersburg, MD, March 15-16 (“What are we doing right, and what are we doing wrong, in ontology education”)

Apr 2010 First Paolo Bozzi Ontology Lecture, University of Turin, April 15 (“Towards a Theory of Document Acts”)

Third Annual Protein Ontology Meeting, University of Delaware, April 26-28 (“The OBO Foundry in 2010”)

May 2010 Workshop on Ontology Education, University of Toronto, May 11 (“Creating a Common Body of Knowledge for the Discipline of Ontology”)

Open Toxicology (OpenTox) Consortium Virtual Meeting, May 13 (“Introduction to OBO Ontology Development”)

Formal Ontology in Information Systems (FOIS), University of Toronto, May 12-15 (“Evaluating Ontologies” (with Mathias Brochhausen), “Dispositions and the Infectious Disease Ontology”, with Albert Goldfain and Lindsay Cowell)

Jun 2010 International Workshop on Bio-Ontologies, Institute for Formal Ontology and Medical Information Science, Saarland University, Saarbrücken, Germany, June 28 (“Classification Then and Now”)

La métaphysique appliqué, Séminaire des Treilles, Fondations les Treilles, Tourtour,

- France, June 29-July 2 (“Applied Ontology” and “BFO and Disease”)
- Aug 2010 Conference on Collective Intentionality VII, August 23-26, Basel, Switzerland (“New Foundations for Social Ontology” and “Is Money a ‘Product of Massive Fantasy?’”)
- Sep 2010 Joint Forces Command Next Generation Training Environment, Norfolk, VA, September 1 (“Coordination Management Process for Ontology-Based Information Integration”)
- Infectious Disease Ontology Workshop, 13th World Congress on Medical and Health Informatics (Medinfo 2010), Cape Town, South Africa, September 11, 2010 (“IDO and the OBO Foundry”),
- 13th World Congress on Medical and Health Informatics (Medinfo 2010), Cape Town, South Africa, September 13, 2010 (“A Unified Framework for Biomedical Terminologies and Ontologies”, with Werner Ceusters)
- Oct 2010 Joint Forces Command Live, Virtual, Constructive Architecture Framework (LVCAF), Virginia Modeling and Simulation Center (VMASC), Suffolk, VA, October 4 (“Ontology Development Best Practices”)
- Nov 2010 [Plant Ontology Workshop](#), New York Botanical Gardens, Bronx, NY, November 5 (“BFO and the Plant Ontology”)
- [Transatlantic Observatory for Meeting Global Health Policy Challenges through ICT-Enabled Solutions](#), Argos Consortium Conference, Washington DC, November 12 (“Semantic Interoperability: Reuse of EHR Data”, with Werner Ceusters)
- Feb 2011 Disease Ontology Workshop and Advisory Board Meeting, Institute for Genomic Sciences, University of Maryland, February 8-9 (“OGMS’ Spawn”)
- Conference on Ontology and Analytical Metaphysics, Open Research Centre for Logic and Formal Ontology, Keio University, Tokyo, February 24-25 (“Materials Towards an Ontology of Pain”, “The Ontology of Documents”)
- Mar 2011 National Center for Biomedical Ontology Project Meeting, March 1-3 (“Dissemination and Ontology Best Practices”)
- Advancing Oral Health Worldwide, International Association for Dental Research General Meeting, San Diego, March 16 (“Development of the Field of Biomedical Ontology” and “Saliva Ontology: A Unique Controlled Vocabulary for Salivary Research”)
- Apr 2011 Jubileumsseminar Anders Grimsmo, Department of Public Health and General Practice, Norwegian University of Science and Technology, Trondheim, April 7 (Keynote speech, “Toward an Ontological Treatment of Disease and Diagnosis”)
- EviCare Workshop on Ontology and the Representation of Clinical Guidelines, Department of Computer and Information Science, Norwegian University of Science and Technology, Trondheim, April 8 (“An Introduction to Biomedical Ontology”)
- Workshop on Ontology Driven Implementation of Semantic Services for the Enterprise Environment (ODISSEE), sponsored by US Federal Government, Alion Science and Technology and the National Center for Ontological Research, Washington DC, April 12-13 (“Coordinated Development of Ontologies Across Diverse Communities of Interest”)
- May 2011 Ratio Conference on Metaphysics, Reading University, Reading, United Kingdom, May 7 (“Classifying Diseases”)
- Global Conference, ARGOS Transatlantic Observatory for Meeting Global Health Policy Challenges through ICT-Enabled Solutions, Budapest, Hungary, March 11 (“An Evolutionary Strategy for Incremental Realization of Genuine Semantic Interoperability in the EHR Domain”)
- Jun 2011 Ontology-Based Research on Medicare/Medicaid Data, School of Pharmacy and Pharmaceutical Sciences, University at Buffalo and Department of Pharmacological Sciences, Stony Brook University, June 15 (“Biomedical Ontology in Buffalo”)
- How to Build Ontologies for Clinical and Translational Research, Department of Human Genetics, Emory University, June 29, 2011 (“Review of ONSTR: the Ontology for

- Newborn Screening Translational Research”)
- Jul 2011 International Conference on Biomedical Ontology, Buffalo, NY, July 28-30, 2011 (“Panel: Collaborative Ontology Development: Why? and How?”)
Working with Multiple Biomedical Ontologies. Workshop organized in conjunction with the International Conference on Biomedical Ontology, Buffalo, NY, July 26-27, 2011 (“Towards a Body Fluids Ontology: A Unified Application Ontology for Basic and Translational Science” and “Coordination of Multiple Biomedical Ontologies: Basic Methodological Principles”)
- Sep 2011 [12th Genomic Standards Consortium Meeting](#) (GSC 12), Max Planck Institute for Marine Microbiology, Bremen, September 28-29 (“The World Wide Web Consortium (W3C)”, “An Introduction to Ontology as a Strategy for Data Integration”, “The Structure of the Environment Ontology”)
- Nov 2011 [Research Data: Management, Access and Control](#), University Libraries, University at Buffalo, November 14 (“Ontologies: What Librarians Need to Know”)
Semantic Technology for Intelligence, Defense and Security (STIDS 2011), George Mason University, Fairfax, VA, November 16-17 (“Integration of Intelligence Data through Semantic Enhancement” (with David Salmen); “Semantic Enhancement for Data Retrieval and Integration in the Cloud”)

WORKSHOPS AND CONFERENCES ORGANIZED (SINCE 2006)

- Mar 2006 [Image Ontology Workshop](#), National Center for Biomedical Ontology, Stanford University, March 23-24, 2006
- Apr 2006 [The Metaphysics of E. J. Lowe](#), National Center for Ontological Research, University at Buffalo, April 8-9, 2006 (jointly with R. Dipert and D. Hershenov)
- Sep 2006 [Workshop on Model Organism Anatomy Ontology](#), Seattle, September 8-9, 2006.
- Nov 2006 [Workshop on Disease Ontology](#), Baltimore, November 6-7, 2006
[Biomedical Ontology in Action](#) (KR-MED 2006), November 8, 2006, Baltimore, MD (with Olivier Bodenreider and Fabian Neuhaus)
Genomics Knowledge Representation for Clinical Trials, Workshop, AMIA Annual Symposium, Washington, November 12, 2006
[Panel on the Future of HL7](#), AMIA Annual Symposium, Washington DC, November 14, 2006
[Ontology for the Intelligence Community](#) (NCOR) Columbia, MD, November 30-December 1, 2006
- Mar 2007 Towards Interoperability of Biomedical Ontologies, [Dagstuhl Seminar](#), March 25-29, 2007
- May 2007 [Ontology of Clinical Trials](#). Workshop of the National Center for Biomedical Ontology, NIH Campus, Bethesda, MD, May 16-17, 2007
- Jun 2007 [Reasoning with Biomedical Information](#): Training Course in Logic for Biomedical Research, Schloss Dagstuhl, 20-23 June 2007
- Aug 2007 [The EnvO Workshop: Developing an Ontology for Describing the Environments of Organisms and Biological Samples](#), UK National Environment Research Council, OERC: Oxford e-Research Centre, UK, August 29-31 (with Michael Ashburner, *et al.*)
- Sep 2007 [Infectious Disease Ontology](#), Cold Spring Harbor Laboratory, Long Island, NY, 19-21 September 2007, sponsored by the Burroughs Wellcome Fund (with Lindsay Cowell)
- Nov 2007 [EnvO Workshop II](#), Cold Spring Harbor Laboratories, November 15-16 (with Michael Ashburner, *et al.*)
[Ontology for the Intelligence Community 2007](#), Columbia, MD and Mitre Corporation, November 28-30.
- Dec 2007 [Protein Ontology Kick-Off Meeting](#), Georgetown University, Washington DC, December

- 2-4 (with Darren Natale).
- Feb 2008 [Inaugural Conference of the Japanese Center for Ontological Research](#), February 26-27 (with Mitsu Okada).
- Mar 2008 [EnvO Workshop III](#), University of Manchester, UK, March 13-16, sponsored by the Genome Standards Consortium (with Michael Ashburner, *et al.*).
[Ontology of Cellular Networks](#), Newark, NJ, March 26-27 (with Yves Lussier and Alan Ruttenberg)
- Jun 2008 [Evolutionary Biology and Ontologies Workshop](#). Organized as part of the Evolution 2008 Conference in the University of Minneapolis, MN on June 20 (with Paula Mabee, Todd Vision, Monte Westerfield)
- Jul 2008 [First OBO Foundry Summit Meeting](#), European Bioinformatics Institute, Hinxton, Cambridge, UK, July 7-8 (with Susanna Assunta-Sansone and the OBO Foundry Coordinating Editorial Board)
- Sep 2008 [Signs, Symptoms and Findings: First Steps Toward an Ontology of Clinical Phenotypes](#), University of Texas Southwestern Medical Center, Dallas, Texas, on September 3-4, (with Richard Scheuermann)
Second Information Artifact Ontology Workshop, University at Buffalo, September 15.
[Second Infectious Disease Ontology Workshop](#), sponsored by the Burroughs Wellcome Fund, University at Buffalo, September 16-17 (with Lindsay Cowell)
- Nov 2008 [Second Annual Protein Ontology Meeting](#), Georgetown University, Washington DC, November 18-19
- Jan 2009 [Second Evolutionary Biology and Ontologies Workshop](#). Organized as part of the Annual Meeting of the Society for Integrative and Comparative Biology (SICB) in Boston, MA on January 5 with Paula Mabee, Todd Vision, Monte Westerfield)
- Feb 2009 [2nd Interdisciplinary Ontology Conference](#), Keio University, Tokyo, Japan, February 27-March 1 (with Mitsu Okada)
- Jun 2009 [Ontology-Driven Semantic Interoperability in eHealth](#), European Commission Directorate General Information Society and Media, Brussels, June 22-23 (with Ilias Iakovidis and Erwin Bartels)
- Jul 2009 [International Conference on Biomedical Ontology](#), University at Buffalo, July 20-26
- Sep 2009 [Signs, Symptoms and Findings: Towards an Ontology for Clinical Phenotypes](#), Italian National Research Council Institute for Biomedical Technologies and University of Milan, September 4-5 (with Richard Scheuermann)
- Feb 2010 [Ontologies for the Virtual Physiological Human](#), February 14, European Bioinformatics Institute, Cambridge (with Bernard de Bono and Alan Ruttenberg)
[3rd Interdisciplinary Ontology Conference](#), Keio University, Tokyo, Japan, February 26-28 (with Riichiro Mizoguchi)
- Mar 2010 [Ontology Summit 2010](#), National Institute for Standards and Technology (NIST), Gaithersburg, MD, March 15-16 (Co-Chair, with Steve Ray)
- Apr 2010 Infectious Disease Ontology Collaborators Meeting, Duke University, Durham NC, April 6-9 (with Lindsay Cowell)
- Sep 2010 Infectious Disease Ontology Workshop, [13th World Congress on Medical and Health Informatics \(Medinfo 2010\)](#) in Cape Town, South Africa on September 11, 2010 (with Albert Goldfain and Lindsay Cowell)
- Oct 2010 [An Introduction to Ontology Building](#), Buffalo, October 23
- Dec 2010 [Workshop on Infectious Disease Ontology](#), Baltimore, MD, December 8-9 (with Lindsay Cowell)
- Apr 2011 [Workshop on Ontology Driven Implementation of Semantic Services for the Enterprise Environment](#) (ODISSEE), sponsored by US Federal Government, Alion Science and Technology, and the National Center for Ontological Research, Washington DC, April 12-

- 13 (with Lowell Vizenor)
- Jun 2011 Ontology-Based Research on Medicare/Medicaid Data, School of Pharmacy and Pharmaceutical Sciences, University at Buffalo and Department of Pharmacological Sciences, Stony Brook University, Buffalo, NY, June 15.
- Jul 2011 [International Conference on Biomedical Ontology](#), Buffalo, NY, July 26-30, 2011 (Conference Chair)
- Sep 2011 Alzheimer's Research in the University at Buffalo, Buffalo, NY, September 2, 2011.
- Oct. 2011 [Kick-Off Meeting](#), Alzheimer's Research Forum and Protein Ontology, Buffalo, NY, October 4-5, 2011 (with Alan Ruttenberg and Cathy Wu)
- Nov. 2011 [Basic Formal Ontology 2.0](#), Center of Excellence in Bioinformatics and Life Sciences, University at Buffalo, NY, November 10-11, 2011.