

Preface

ICBO 2024: 15th International Conference on Biological and Biomedical Ontology

July 18 - July 19, 2024, Enschede, The Netherlands

([ICBO 2024 website](#))

The 15th International Conference on Biological and Biomedical Ontology was held at the University Twente in Enschede, The Netherlands. It was co-located with the [14th International Conference on Formal Ontology in Information Systems \(FOIS\)](#). The conference included keynote addresses by Barend Mons from Leiden University Medical Center and Michel Dumontier from Maastricht University.

There were nine papers submitted for peer-review to this conference. Out of these, seven papers were accepted for this volume, four as regular papers and three as short papers. Additionally, we offered authors the option to submit manuscripts to the [ICBO Thematic Series of the Journal of Biomedical Semantics](#). There were three papers submitted to this track, of which two were accepted. Thirteen poster abstracts were submitted, with twelve of them included in this volume. We have also included a paper that was reviewed and presented at the [CELLS 2024 workshop](#).

ICBO 2024 Organization Committee

General Chair

William D. Duncan, University of Florida, USA

Robert Hoehndorf, King Abdullah University of Science and Technology, Saudi Arabia

Program Committee Chair

Karin Slater, University of Birmingham, UK

Coordination of Workshops and Software Demonstrations

Asiyah Lin, Axle Research & Technology/NCATS, USA

Matthew Lange, IC-FOODS.org

Local organization (FOIS and ICBO)

Tiago Prince Sales, University of Twente, The Netherlands

Journal Track Chair

Robert Hoehndorf, King Abdullah University of Science and Technology, Saudi Arabia

Website and Outreach Chair

Eduardo Felipe, University of Itajubá - Unifei, Brazil

William D. Duncan, University of Florida, USA

ICBO 2024 Proceedings Editors

William D. Duncan, University of Florida, USA

Robert Hoehndorf, King Abdullah University of Science and Technology, Saudi Arabia

Keynote Speakers

Barend Mons, Leiden University Medical Center, The Netherlands

Michel Dumontier, Maastricht University, The Netherlands

Program Committee (affiliations as of 2024)

Adrien Barton	IRIT-MELODIE, CNRS
Alexander D. Diehl	University at Buffalo
Anuwat Pengput	University at Buffalo
Asiyah Lin	Axle Informatics LLC
Barry Smith	State University of New York at Buffalo
Bart Gajderowicz	University of Toronto
William D. Duncan	University of Florida
Charles T. Hoyt	Biopragmatics Consulting Group
Chris Mungall	Lawrence Berkeley National Laboratory
Daniel R. Korn	UNC Chapel Hill
Egon L. Willighagen	Maastricht University
Emma Griffiths	Simon Fraser University
Enrique Wulff	ICMAN-CSIC
Fernanda Farinelli	University of Brasilia
Fumiaki Toyoshima	Institut de Recherche en Informatique de Toulouse
Furqan Aziz	University of Leicester
Gary Berg-Cross	Ontolog Board Member
Gopikrishnan M. Chandrasekharan	University of Florida
Hande K. McGinty	Kansas State University
James P. Balhoff	RENCI, University of North Carolina at Chapel Hill
James McLaughlin	EMBL-EBI
Jane Lomax	SciBite
Jesualdo Tomas Fernandez Breis	Universidad de Murcia
Jin Lu	University of Georgia
John Beverley	University at Buffalo
Junguk Hur	University of North Dakota
Karin M. Verspoor	RMIT University
Karl Helmer	Massachusetts General Hospital

Maria das Graças G da Silva Teixeira	UFES
Mathias Brochhausen	UAMS
Matthew H. Brush	University of North Carolina Chapel Hill
Mauricio B. Almeida	UFMG
Michel Dumontier	Maastricht University
Muhammad Amith	University of Texas Medical Branch
Núria Queralt Rosinach	Leiden University Medical Center
Pance Panov	Jozef Stefan Institute
Patrick L. Ray	Allen Institute for Brain Science
Paul N. Schofield	University Of Cambridge
Phillip Lord	Newcastle University
Pierre Grenon	NCOR
Remzi Celebi	Maastricht University
Robert Stevens	University of Manchester
Saurav kumar	IISPV
Spiros Denaxas	University College London
Tarini Naravane	UC Davis
Yongqun He	University of Michigan
Yuji Zhang	University of Maryland Baltimore

ICBO 2024 Workshops

- [OBO Academy ICBO 2024](#)
Organizers:
Nico Matentzoglu, Semanticly
Nicole Vasilevsky, Critical Path Institute
- [The 13th International Workshop on Vaccine and Drug Ontology Studies, VODS 2024](#)
Organizers:
Cui Tao, PhD, School of Biomedical Informatics, University of Texas, Health Science Center at Houston
Yongqun "Oliver" He, PhD, University of Michigan Medical School
Junguk Hur, PhD, University of North Dakota School of Medicine & Health Sciences
- [The 8th International Cells in Experimental Life Science Workshop, CELLS 2024](#)
Organizers:
Alexander D. Diehl, PhD, University at Buffalo
Yongqun "Oliver" He, PhD, University of Michigan Medical School

David Osumi-Sutherland, PhD, Cambridge
Tiago Lubiana, University of São Paulo