

Preface

These proceedings contain the papers of the Seventh International Symposium on Semantic Mining in Biomedicine (SMBM) held at the Hasso Plattner Institute (HPI) in Potsdam (Germany) on the 4th and 5th of August, 2016. SMBM aims to bring together researchers from text and data mining in biomedicine, medical, bio- and chemoinformatics, and researchers from biomedical ontology design and engineering. SMBM 2016 was the follow-up event to SMBM 2014 (University of Aveiro), SMBM 2012 (University of Zürich), SMBM 2010 (EBI UK), SMBM 2008 (University of Turku), SMBM 2006 (University of Jena), and SMBM 2005 (EBI UK).

We selected five long papers, six short papers and two demo papers from a total of 15 submissions. Each submitted paper was reviewed by at least two members of an international programme committee. In addition to the selected papers, the symposium features two keynote speeches by Prof. Dr. Ulf Leser and Dr. Laura Furlong. We would like to thank the keynote speakers, the programme committee, the paper authors, and the participants, for without these people there would be no symposium.

Scientific chairs

Mariana Neves (Hasso Plattner Institute), Fabio Rinaldi (University of Zurich), Goran Nenadic (University of Manchester) and Dietrich Rebholz-Schuhmann (Insight Center for Data Analytics).

Local organization committee

Mariana Neves and Milena Kraus (Hasso Plattner Institute).

Program committee

We acknowledge the efforts of the programme committee, namely Kevin Bretonnel Cohen

(University of Colorado, USA), Dina Demner-Fushman (National Library of Medicine, USA), Alberto Diaz (Universidad Complutense de Madrid, Spain), Laura Furlong (Hospital del Mar Medical Research Institute, Spain), Lars Juhl Jensen (University of Copenhagen, Denmark), Antonio Jimeno Yepes (IBM Research, Australia), Jin-Dong Kim (Database Center for Life Science, Japan), Roman Klinger (University of Stuttgart, Germany), Martin Krallinger (Spanish National Cancer Research Centre - CNIO, Spain), Mariana Neves (Hasso Plattner Institute, Germany), Markus Kreuzthaler (Medical University Graz, Austria), Anastasia Krithara (NCSR Demokritos, Greece), Ulf Leser (Humboldt-Universität zu Berlin, Germany), Paloma Martinez (University Carlos III of Madrid, Spain), Sérgio Matos (University of Aveiro, Portugal), Marie-Jean Meurs (University of Quebec, Canada), Milena Kraus (Hasso Plattner Institute, Germany), Cindy Perscheid (Hasso Plattner Institute, Germany), Sampo Pyysalo (University of Cambridge, UK), Fabio Rinaldi (University of Zurich, Switzerland), Patrick Ruch (University of Applied Sciences, Geneva, Switzerland), Stefan Schulz (Medical University Graz, Austria), Isabel Segura-Bedmar (University Carlos III of Madrid, Spain), Johannes Starlinger (Humboldt-Universität zu Berlin, Germany), Philippe Thomas (DFKI, Germany), Özlem Uzuner (State University of New York, Albany, USA) and Karin Verspoor (University of Melbourne, Australia).

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