

# Preface

The 12th edition of the international conference on Data Integration in the Life Sciences (DILS), organized by the Luxembourg Institute of Science and Technology, was held in Hotel Parc-Bellevue during November 14–15, 2017, in Luxembourg. This year again, DILS 2017 brought together researchers (including students), developers, users, and practitioners involved in the integration, management, and analysis of heterogeneous data in the life sciences. DILS 2017 was a forum for computer scientists and members of different life science communities including bioinformatics, biodiversity, medicine, clinical health management, and pharmacy. This year, topics focused on life science data modeling and the management of life science datasets and models.

The call for papers attracted excellent contributions and a rigorous reviewing process was conducted to select the 10 best research and demo papers. Moreover, we had the pleasure to welcome two renowned speakers: Prof. Robert Stevens from the University of Manchester and Dr. Alex Bateman, Head of Protein Sequence Resources cluster of the European Bioinformatics Institute (EMBL-EBI). In his presentation, Prof. Stevens discussed the advances in the use of ontologies in the biomedical domain while Dr. Bateman discussed the UniProt Knowledge-Base, which has been providing data for protein sequence and function for over 30 years.

As the event co-chairs and editors of this volume, we would like to thank all authors who submitted papers, as well as the Program Committee members and additional reviewers for their excellent contribution in evaluating the submissions. Special thanks to Marylène Martin and the Luxembourg Institute of Science and Technology for their precious support in the organization of this event. Finally, we would like to thank Alfred Hofmann and his team at Springer for their cooperation and help in putting this volume together.

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