

**Welcome to the Proceedings of the 10th International Conference on  
Semantic Web Applications and Tools for the Life Sciences  
(SWAT4LS 2017)**

**Preface**

It is our great pleasure to welcome you to the 10th International Conference on Semantic Web Applications and Tools for Life Sciences (SWAT4LS 2017). SWAT4LS is an international conference to meet and to present high-quality research results and relevant demos, applications and tutorials from all fields of Semantic Data Science and Web technologies in Health Care and Life Sciences.

The objectives of the SWAT4LS conference are to provide a forum dedicated to the dissemination of original research, the discussion of practical insights, and the reporting on relevant experience relating to the adoption of Web based information systems and Semantic technologies in biomedical informatics and computational biology. The conference also aims at providing a forum to exchange ideas, for example, through poster papers and demo papers.

SWAT4LS 2017 was held at the headquarters of the Italian National Research Council (CNR), December 4-7, 2017, Rome, Italy.

The call for papers solicited research contributions in eHealth, biomedical and clinical informatics, systems biology, computational biology, drug discovery, bioinformatics and biocomputing. The call for contributions attracted 47 submissions from around the globe. The technical program shows a carefully selected presentation of research and development in 11 full papers, 4 short talks, 21 poster and demo presentations and 2 industrial talks. These were complemented by 3 keynote talks, 5 tutorials and full hackathon day with 4 topics.

The SWAT4LS 2017 organizers wish to thank the excellent program committee for their hard work in reviewing the submitted papers. Their criticism and very useful comments and suggestions were instrumental to achieve a high quality of publication. We also thank the conference authors for submitting good papers, responding to the reviewers' comments, and abiding by our proceedings production schedule. We further wish to thank the keynote and tutorial speakers to contribute their interesting talks. We are very grateful to our sponsor ELIXIR UK.

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