

6th BioASQ Workshop 2018

A Challenge on Large-Scale Biomedical
Semantic Indexing and Question
Answering

Brussels, Belgium
1 November 2018

ISBN: 978-1-5108-7420-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2018) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2019)

For permission requests, please contact the Association for Computational Linguistics
at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006

Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>Results of the sixth edition of the BioASQ Challenge</i> Anastasios Nentidis, Anastasia Krithara, Konstantinos Bougiatiotis, Georgios Paliouras and Ioannis Kakadiaris	1
<i>Semantic role labeling tools for biomedical question answering: a study of selected tools on the BioASQ datasets</i> Fabian Eckert and Mariana Neves	11
<i>Macquarie University at BioASQ 6b: Deep learning and deep reinforcement learning for query-based summarisation</i> Diego Molla	22
<i>AUEB at BioASQ 6: Document and Snippet Retrieval</i> George Brokos, Polyvios Liosis, Ryan McDonald, Dimitris Pappas and Ion Androutsopoulos ..	30
<i>MindLab Neural Network Approach at BioASQ 6B</i> Andrés Rosso-Mateus, Fabio A. González and Manuel Montes-y-Gómez	40
<i>AttentionMeSH: Simple, Effective and Interpretable Automatic MeSH Indexer</i> Qiao Jin, Bhuwan Dhingra, William Cohen and Xinghua Lu	47
<i>Extraction Meets Abstraction: Ideal Answer Generation for Biomedical Questions</i> Yutong Li, Nicholas Gekakis, Qiuze Wu, Boyue Li, Khyathi Chandu and Eric Nyberg	57
<i>UNCC QA: Biomedical Question Answering system</i> Abhishek Bhandwaladar and Wlodek Zadrozny	66
<i>An Adaption of BIOASQ Question Answering dataset for Machine Reading systems by Manual Annotations of Answer Spans.</i> Sanjay Kamath, Brigitte Grau and Yue Ma	72
<i>Ontology-Based Retrieval & Neural Approaches for BioASQ Ideal Answer Generation</i> Ashwin Naresh Kumar, Harini Kesavamoorthy, Madhura Das, Pramati Kalwad, Khyathi Chandu, Teruko Mitamura and Eric Nyberg	79