

Workshop on NLP for Medicine and Biology 2013

**Associated with the 9th International Conference on Recent Advances in Natural
Language Processing (RANLP 2013)**

**Hissar, Bulgaria
13 September 2013**

ISBN: 978-1-62993-551-5

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© (2013) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2014)

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: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>Active Learning for Phenotyping Tasks</i>	
Dmitriy Dligach, Timothy Miller and Guergana Savova	1
<i>Finding Negative Symptoms of Schizophrenia in Patient Records</i>	
Genevieve Gorrell, Angus Roberts, Richard Jackson and Robert Stewart	9
<i>De-Identification of Clinical Free Text in Dutch with Limited Training Data: A Case Study</i>	
Elyne Scheurwegs, Kim Luyckx, Filip Van der Schueren and Tim Van den Bulcke	18
<i>NLP can help parents to understand rare diseases</i>	
Marina Sokolova, Ilya Ioshikhes, Hamid Poursepanj and Alex MacKenzie	24