

Publications

Journal articles

Robert Leaman, Rezarta Islamaj, Virginia Adams, Mohammed A. Alliheedi, João Rafael Almeida, Rui Antunes, Robert Bevan, Yung-Chun Chang, Arslan Erdengasileng, Matthew Hodgskiss, Ryuki Ida, Hyunjae Kim, Keqiao Li, Robert E. Mercer, Lukrécia Mertová, Ghadeer Mobasher, Hoo-Chang Shin, Mujeen Sung, Tomoki Tsujimura, Wen-Chao Yeh, and Zhiyong Lu (March 2023). “Chemical identification and indexing in full-text articles: an overview of the NLM-Chem track at BioCreative VII.” In: *Database 2023*. Oxford University Press, baad005.

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Tiago Almeida, Rui Antunes, João F. Silva, João R. Almeida, and Sérgio Matos (July 2022). “Chemical identification and indexing in PubMed full-text articles using deep learning and heuristics.” In: *Database 2022*.baac047. Oxford University Press.

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Jorge Miguel Silva, Diogo Pratas, Rui Antunes, Sérgio Matos, and Armando J. Pinho (June 2021). “Automatic analysis of artistic paintings using information-based measures.” In: *Pattern Recognition* 114. Elsevier, p. 107864.

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Rezarta Islamaj Doğan, Sun Kim, Andrew Chatr-aryamontri, Chih-Hsuan Wei, Donald C. Comeau, Rui Antunes, Sérgio Matos, Qingyu Chen, Aparna Elangovan, Nagesh C. Panyam, Karin Verspoor, Hongfang Liu, Yanshan Wang, Zhuang Liu, Berna Altinel, Zehra Melce Hüsünbeyi, Arzucan Özgür, Aris Fergadis, Chen-Kai Wang, Hong-Jie Dai, Tung Tran, Ramakanth Kavuluru, Ling Luo, Albert Steppi, Jinfeng Zhang, Jinchan Qu, and Zhiyong Lu (January 2019). “Overview of the BioCreative VI Precision Medicine Track: mining protein interactions and mutations for precision medicine.” In: *Database 2019*.bay147. Oxford University Press.

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Rui Antunes and Sérgio Matos (December 2017). “Supervised learning and knowledge-based approaches applied to biomedical word sense disambiguation.” In: *Journal of Integrative Bioinformatics* 14.4. De Gruyter.

URL: <https://doi.org/10.1515/jib-2017-0051>

Conference articles

João Figueira Silva, Tiago Almeida, Rui Antunes, João Rafael Almeida, and Sérgio Matos (November 2021). “Drug mention recognition in Twitter posts using a deep learning approach.” In: *BioCreative VII Challenge Evaluation Workshop* (Online), pp. 210–213.

URL: <https://biocreative.bioinformatics.udel.edu/resources/publications/bc-vii-workshop-proceedings/>

Tiago Almeida, Rui Antunes, João Figueira Silva, João Rafael Almeida, and Sérgio Matos (November 2021). “Chemical detection and indexing in PubMed full text articles using deep learning and rule-based methods.” In: *BioCreative VII Challenge Evaluation Workshop* (Online), pp. 119–123.

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Alina Trifan, Rui Antunes, Sérgio Matos, and Jose Luís Oliveira (April 2020). “Understanding depression from psycholinguistic patterns in social media texts.” In: *42nd European Conference on Information Retrieval* (Online). Springer Nature, pp. 402–409.

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Theses

Rui Antunes (March 2023). “Biomedical information extraction with natural language processing and machine learning methods.” PhD thesis. University of Aveiro.

URL: <https://github.com/ruiantunes/ua-thesis>

Rui Antunes (July 2015). “Genomics music.” Master’s thesis. University of Aveiro.

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