

Curriculum Vitae



Personal data

Name: Balázs Ligeti
Address: 105 Pesti Street, Budapest, Hungary, H-1173
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Place and date of birth: November 15, 1985, Budapest, Hungary

Education

2011- **Pázmány Péter Catholic University, Budapest, Hungary**
Faculty of Information Technology and Bionics, Roska Tamás
Doctoral School of Science and Technology, PhD student
Microbiom research and drug combination prediction

2009-2010 **Katholieke Universiteit Leuven, Leuven, Belgium**
Erasmus scholarship/internship

2005-2011 **Pázmány Péter Catholic University, Budapest, Hungary**
Faculty of Information Technology and Bionics, Computer
Engineering Department, Master of Science in Electronic and
Computer Engineering
Sensing computers and robots, Neuromorphic information
technology, bionics

Languages

English Intermediate (B1) language exam (2004)
French Elementary (A2) language exam (2015)

Publications

S. Pongor, J. Juhász, **B. Ligeti**, “Valós és virtuális társadalmak a baktériumoknál” (Real world and virtual societies in bacteria), *Élet és Tudomány*, vol. 71, no. 2, pp. 41-43., Jan. 2016. (in Hungarian)

S. Pongor, J. Juhász, **B. Ligeti**, “Háború és béke a baktériumoknál” (War and peace in bacteria), *Természet Világa*, vol. 147, no. 5, May. 2016. (in Hungarian)

Ligeti, B.; Vera, R.; Juhász, J.; Pongor, S. (2016). CX, DPX and PCW: Web servers for the visualization of interior and protruding regions of protein structures in 3D and 1D. *Springer Protocols: Methods in Molecular Biology*, in press.

Ligeti, B.; Pénczváltó, Z.; Vera, R.; Györfy, B.; Pongor, S. (2015). A Network-Based Target Overlap Score for Characterizing Drug Combinations: High Correlation with Cancer Clinical Trial Results. *PLoS One*. **10** (9), e0129267.

Hudaiberdiev, S.; Choudhary, K.; Vera, R.; Gelencsér, Zs.; **Ligeti, B.;** Lamba, D.; Pongor, S. (2015); *Census of solo LuxR genes in prokaryotic genomes*. *Front. Cell. Infect. Microbiol.* 5:20. doi:10.3389/fcimb.2015.00020

Pongor, L. S.; Vera, R.; **Ligeti B.** (2014). *Fast and Sensitive Alignment of Microbial Whole Genome Sequencing Reads to Large Sequence Datasets on a Desktop PC: Application to Metagenomic Datasets and Pathogen Identification*
PLOS ONE, published 31 Jul 2014, 10.1371/journal.pone.0103441

Petric, I.; **Ligeti, B.;** Györfy, B.; Pongor, S. (2014). *Biomedical Hypothesis Generation by Text Mining and Gene Prioritization*. *Protein Pept Lett.* 20, 1-1.

Ligeti, B.; Vera, R.; Lukacs, G.; Györfy, B.; Pongor, S. (2013). *Predicting effective drug combinations via network propagation*. *Biomedical Circuits and Systems Conference*, 378-381.

Vera, R.; Perez-Riverol, Y.; Perez, S.; **Ligeti, B.;** Kertész-Farkas, A.; Pongor, S. (2013). *JBioWH: an open-source Java framework for bioinformatics data integration*. *Database*. 2013, bat051.

Professional interests

Bioinformatics
System biology
Network mining
Microbiom research

Personal skills

Python, MATLAB, PL/SQL, Java, C++, perl, PHP, HTML5, JavaScript

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